

# COMMITTEE AND PROFESSIONAL DEVELOPMENT GROUP MINUTES

## STANDING COMMITTEES

### **Food Protection Trends Management Committee**

**Members Present:** Matthew Taylor (Chair), Pardeepinder Brar, Byron Chaves, Jessica Chen, Cathy Cutter, Gordon Davidson, Yaohua Feng, Stephen Grove, Joshua Gurtler, Montserrat Iturriaga, Ian Jenson, Sally Klinect, Bobby Krishna, Wendy Maduff, Martin Martinez, Salina Parveen, and William Shaw.

**Outgoing Members Present:** Faith Critzer, Alejandro Echeverry, Peyman Fatemi, Amie Minor, and Kelly Stevens.

**Board/Staff Present:** Tim Jackson, Kali Kniel, Roger Cook, Donna Bahun, Lisa Hovey, and David Tharp.

**Visitors:** Sheridan Brewer, Christine Bruhn, Scott Burnett, Judy Luther, Jennifer Quinlan, Christina Wilson, and Guodong Zhang.

**Number of Attendees:** 35.

**Meeting Called to Order:** 2:05 p.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Faith Critzer.

**Introductions and Welcome:** Matt Taylor called the meeting to order, participants introduced themselves. Matt welcomed the new Committee members and thanked the Committee members for their service, which were rotating off.

### **Old Business:**

1. Approval of Minutes from the 2018. Kelly Stevens motions to approve minutes, 2nd by Guodong Zhang. Minutes were approved as submitted.
2. Additions to agenda or modifications. No modifications or meeting agenda items were announced or requested by meeting attendees.
3. Scientific Editor Report – Data generated in editors report was collected as a snapshot of Jan. 1–June 22, 2019. There was a decline in submissions for the past year. However, there have been 6 additional submissions since report was generated.
4. *FPT* award recipients. Most Cited Research.
  - a. Most Cited Peer-reviewed *FPT* Publication Award: Chicken Preparation in the Home: An Observational Study: Christine Bruhn (Published: Sept./Oct. 2014).
  - b. Most Viewed *FPT* Publication Award: A Comparison of Urethane and Cellulose Sponges as Cleaning Tools in Household Kitchens: Charles Gerba, Laura Sifuentes and Akrum Tamini (Published: May/June 2017).

- c. Most Viewed General Interest *FPT* Publication Award: Prevention of Hepatitis A through Food Handler Immunization: Jill Roberts (May/June 2017).
5. *FPT* sub-committee to investigate and methods to improve the visibility of *FPT*. Committee to establish visibility of *FPT* among IAFP membership.
    - a. Previous ideas have included:
      - i. Podcasting on high-impact articles has come to the forefront as one.
      - ii. Utilize most cited or downloaded.
      - iii. David Tharp mentioned that estimated 700 – 800 individuals have opted out of receiving IAFP emails which highlight *Food Protection Trends* out of total IAFP membership. It may also be likely that emails are going to spam folders (Tim Jackson reported that occurring in his case).
      - iv. Matt Taylor discussed open access for peer-reviewed publications also discussed to improve access to non-members.
      - v. Sally Klinect mentioned utilizing social media ranging from LinkedIn to Facebook to highlight publications versus other methods, as a means to engage other possible readers.
      - vi. Kelly Stevens also recommended utilizing IAFP connect to highlight publications among members.
      - vii. Salena Parveen recommended reaching out to PDGs to recruit articles for high-level or conducting special topics. Cathy Cutter has mentioned that she has focused on having special issues.
      - viii. Jennifer Quinlan says that the messaging for *FPT* should market itself as a solution for sharing applied science.
      - ix. Jessica Chen mentioned relying upon students to both increase their awareness of the journal as an option for publishing their work. She also mentioned reaching to highlight research to other food-safety minded groups.
      - x. Cathy Cutter mentioned sharing *JFP*'s booth on the floor with *FPT*.
    - b. Matt Taylor also discussed increasing international outreach.
      - i. Montserrat Iturriaga mentioned a brief video highlight, which could be shared would help draw people to *FPT*.
      - ii. Roger Cook also mentioned some countries have a similar publication which are more focused on their regulations and needs, which are very country-specific. Some counter-dis-

cussion on desires and needs to see research from across countries, allowing groups from differing countries to see what others were doing and adopt needed information to their specific country's needs.

- iii. The group agreed upon formation of a sub-committee to Jennifer Quinlan, Cathy Cutter, Pardeepinder Brar, Jessica Chen, Dennis D'Amico, Sheridan Brewer, and Byron Chavez along with Matt Taylor will continue to pursue strategies increase journal visibility among IAFP members.
6. 2019 Executive Board recommendations.
- a. The Committee recommends to the Executive Board that a General Interest paper be prepared and submitted for publication in *Food Protection Trends* detailing the outcomes of the Scientific Integrity meeting and best practices as detailing the working group's soon to be published manuscript. The *FPT* paper should detail the best practices, identify IAFP's ongoing programs that aid in addressing and implementing identified best practices, and identify areas where IAFP can assist its members in adhering to best practices. **Board agreed**, but this will need to be generated by someone from ILSI or the Scientific Integrity Group.
    - i. It is recommended that we follow-up with ILSI to see if this would be of interest.
  - b. The Committee recommends to the Executive Board that language in the *FPT* Author Guidelines be reviewed and revised to clarify the appropriate formatting of journal citations, with special reference to cited documents/articles/reports by agencies (e.g., FDA, USDA). The correct formatting of these citations should be clarified to assist the timely completion of article processing. **Board agreed**. As a result, Cathy and Donna have worked to improve messaging, but still have issues with authors not formatting their references correctly.
    1. Ian Jensen asked if Word documents could be uploaded for submission to *FPT* with field codes embedded. This is not possible at this point in the process due to inability of journal IAFP and Cathy to remove those field codes during editorial processes.
    2. Matt Taylor brought up if a new reference style could be utilized to alleviate these issues. It was discussed that this would most likely not solve the issue of authors not following journal instructions.
    3. Inclusion of a paragraph in the instructions for authors to remove bibliographic field codes to alleviate issues in editing.
    4. Kelly Stevens discussed that from industry perspective, focusing on the details of submission was not a highly productive use of time in manuscript submissions, though such details are deemed relevant in proper formatting of manuscripts.
  - c. The Committee recommends to the Executive Board that a General Interest paper be developed to update IAFP membership on the outcomes of the *FPT* membership survey, including demographic data of respondents. The paper should address key learnings/findings and plans to address the opportunities identified for increasing the visibility of *FPT* among membership as well as outside IAFP.
    - i. Faith Critzer will spearhead this effort.
  - d. The Committee recommends to the Executive Board that awards for Most Downloaded General Interest and Most Downloaded Peer-reviewed papers be discontinued. It has been observed that for 2018, the data are not robust, and mirror outcomes of data analysis for most viewed awards.
    - i. This was carried out.
  - e. The Committee recommends that a sub-committee (F. Critzer, B. Chapman, C. Cutter, D. Bahun (IAFP Staff), S. McKnight, J. Gurtler (*JFP* MC), M. Sharma (*JFP* MC), M. Taylor, Lisa Hovey (IAFP Staff) be devised to investigate and identify methods for increasing the visibility of *FPT* among IAFP membership, the utility of various social media tools for assisting this effort, and to potentially require the inclusion of Highlights for all submitted manuscripts.
    - i. New members of this sub-committee have been recruited: Jennifer Quinlan, Cathy Cutter, Pardeepinder, Brar, Jessica Chen, Dennis D'Amico, Sheridan Brewer, and Byron Chavez.
- New Business:**
1. Appointment of Vice Chairperson – Byron Chavez was nominated as Vice Chair by M. Taylor. He ascended to the position by acclimation.
  2. Reappointment of Cathy Cutter as *FPT* Scientific Editor.
    - a. Nomination by Kelly Stevens and seconded by Christine Wilson. Cathy Cutter was re-appointed to another 5-year term.
  3. Types of articles for publication in *FPT*.
    - a. Is the scope of the journal appropriate for its intended mission?
      - i. Matt Taylor discussed one instance where a reviewer mentioned that consumer-based food safety research was not appropriate for publication in *FPT* earlier in 2019. Cathy reported that reviewer was invited to committee meeting to describe/discuss their concerns but the reviewer was not attending.
      - ii. Christine Bruhn mentioned that this was likely an outlying opinion as consumer food safety research is both appropriate and needed.
      - iii. Group agreed that the scope and description of articles appropriate for *FPT* is in alignment with the Journal's mission.

4. *JFP* Recommended Articles to *FPT*.
  - a. Cathy Cutter mentioned that while authors are redirected from *JFP* to submit articles which are not going to be published there in *FPT*, however this has not really matured into a viable conduit for receiving publications. Roger Cook mentioned that authors may then search out other journals.
5. Enhancing the visibility of *FPT*.
  - a. Brainstorming ideas have been generated as recorded above. Any additional ideas should be shared with Matt Taylor. The sub-committee will continue to work on this important task.
  - b. Dennis D'Amico asked if articles could be accessed for free once they are past a certain age they could be accessed for free. Cathy Cutter mentioned that they are currently open access after 5 years. There was a discussion if this time line should be eliminated entirely – all articles are open-access upon acceptance. Betty Feng asked what the time line between acceptance and publication is. Cathy Cutter said 3–4 months.

**Numbered List of Recommendations to the Executive Board:**

1. Appointment of Byron Chaves as Vice Chair for *Food Protection Trends*.
2. Reappointment of Cathy Cutter to another 5-year term as Scientific Editor of *Food Protection Trends*.
3. Articles published in *FPT* will become open access immediately upon publication.
4. Editing *FPT* Instructions for Authors to include a paragraph in the instructions for authors to remove bibliographic field codes to alleviate issues in editing.
5. *Food Protection Trends* should share a booth on expo floor alongside *Journal of Food Protection* to promote journal to membership at 2020 IAAP Annual Meeting in Cleveland, OH.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 3:59 p.m.

**Chairperson:** T. Matthew Taylor.

***JFP* Management Committee**

**Members Present:** Sean Leighton (Chair), Fred Breidt (Vice Chair), Joshua Gurtler, Lauren Jackson, Elliot Ryser, Panos Skandamis, Peter Ben Embarek, John Donaghy, Narjol Gonzalez Escalona, Sanjay Gummalla, Chengan Hwang, Barbara Ingham, Steve Kenney, Balasubrahmanyam (Bala) Kottapalli, Deon Mahoney, Matthew Moore, Pat Rule, Joyjit Saha, Angela Shaw, and Hyun-Gyun Yuk.

**Outgoing Members Present:** Peyman Fatemi, Abani Pradhan, and Manan Sharma.

**Board/Staff Present:** Timothy Jackson, Kali Kniel, Mickey Parish, Michelle Danyluk, Didi Loynachan, Lisa Hovey, and David Tharp.

**Visitors Present:** Neil Bogart, Cathy Cutter, Yaohua Feng, Linda Harris, Pushpinder Litt, Judy Luther, Kelly Stevens, and Yifan Zhang.

**Number of Attendees:** 37.

**Recording Secretary of Minutes:** Stephen Kenney.

**Meeting Called to Order:** 10:01 a.m., Sunday, July 21, 2019.

**Change to Agenda:** Add an agenda item to discuss time from submission to publication. Motion was approved to add item to agenda.

**Old Business:** Committee reviewed minutes from 2018 *JFP* Management Committee meeting. A motion was approved to accept the 2017, as written. No edits were needed.

**New Business:**

**Scientific Co-Editors Report:** Panos Skandamis provided the journal's Scientific Editor's Report. Highlights include that Vol. 81 (2018) included 2,092 pages and 10 fewer papers when compared to Vol. 80 (2017). There has been an increase submission of mini-reviews, but there has been a reduction of research papers and notes. The increase in mini-reviews may be due to reduction in amount of time from submission to publication. 99.6% of manuscripts accepted for publication were published within 12 months of submission.

Thirty-nine countries were represented by corresponding authors with China (32), Korea (16), and Japan (11) being the top 3 countries being represented. Articles authored by researchers in the United States were 40% of the total articles submitted to the *Journal*.

The editorial board ended 2018 with 161 members. Fifty-two international countries were represented on the editorial board.

The number of pages per article have increased when compared to previous years.

The John Sofos Most Cited Publication Award and the Most Downloaded Publication Award will be announced at the Editorial Reception.

There was a question to see how to promote the publication of articles in the *Journal* to authors in international countries. Dr. Skandamis stated that he believed there has been a reduction on submissions from Europe due to the lower impact factor of the *Journal*.

Table 3 of the editor's report may contain an error in the 2018 numbers for accepted and published rows. The numbers for 2018 accepted should state 257 and published 226 as of July 1st.

Fred Breidt suggested a rating system for reviewers. The editors stated that there is an informal process and that there is a 3-year term for the editorial board members. It has happened in the past that an editorial board member has been removed prior the end of their 3-year term.

Dr. Jackson asked if there was a way to determine how many food toxicology papers were submitted and how many are being accepted/rejected. Didi will need to research to see if there is a way to get this type of break-

down. There is some concern that maybe more of these types of paper are getting rejected. It is possible that there may not be enough reviewers for this type of submission. Note check this to make sure that I captured the discussion accurately.

#### **Administrative Editor's Report:**

Didi announced some system changes. Allen Press will no longer use AllenTrack. It is transitioning to a new system (PeerTrack) and is slated to start late July. This will require parallel use of the systems until all of the manuscripts in AllenTrack are published.

Alan Press is transitioning from Pinnacle to Silver Chair for the website. The *Journal* website now contains journal articles from the 1937 to 1966. Sixteen open access articles were published in 2018.

The impact factor of *JFP* has increased from 1.510 to 1.559.

#### **New Business:**

Invited reviews on hot topics were discussed by Dr. Joshua Gurtler. He solicited idea for hot topics that could be used for invited mini-reviews. Reviews tend to increase the impact factor due to increased citations that tend to occur with review articles.

The editors can target authors to invite them write review articles. Suggestions of review article topics can be submitted to Dr. Gurtler.

#### **JFP Marketing Plan Report:**

Judy Luther presented an update on the *JFP* marketing plan. Highlights include that a strategic plan was started in 2015. Plain language summaries are being distributed using Kudos. Articles more than 5 years old are free to read. The growth of *JFP* usage has increased from <100,000 to nearly 800,000 from 2016 to 2018. This increase has been due to an increased amount of content online (i.e., articles now online from 1937–1966) and access to the content (i.e., free after 5 years). This is a dramatic increase in usage.

The new *JFP* logo was unveiled. The cover of *JFP* is being redesigned to incorporate the new logo.

Podcasting is the next step. There is a call for volunteers to help with starting up the podcast and for social media engagement.

This is the first year since the start of the strategic plan that there has been an impact in IF. The IF has increased in 2017 and 2018. *JFP* increased in rankings for the Food category, but declined in the Biotechnology and Applied Microbiology category.

#### **Time from Submission to Publication:**

Dr. Linda Harris brought up an experience that she recently had. Her paper was approved and within 12 hours a galley copy and a DOI was sent to her. She is already getting requests for information about the article. Competitive journals have journal articles online for September and October (in July).

#### **Recommendations to the Executive Board:**

1. The Committee recommends that a comprehensive review be conducted on the overall quality of the experience our *JFP* authors are receiving through their engagement with the Journal. This includes how long

it takes to go from approval to publication, the quality and calibration of reviewers comments and should also include comparison to other journals published by similar organizations.

2. The Committee recommends a new process be initiated to invite targeted authors to write reviews for *JFP* on specific, high impact/highly relevant and timely topics.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 12:08 p.m.

**Chairperson:** Sean Leighton.

### **Program Committee**

**Members Present:** Manpreet Singh (Chair), Martin Duplessis (Vice Chair), Francisco Diez, Heidi Den Besten, Doris D'Souza, Carrie Rigdon, Manan Sharma, Tori Stivers, Benjamin Warren, Pamela Wilger, and Christina Wilson.

**Board/Staff Present:** Kali Kniel, Roger Cook, Michelle Danyluk, and Tamara Ford.

**Meeting Called to Order:** 7:30 a.m., Wednesday, July 24, 2019.

The meeting began with introductions. Outgoing Committee Members Mark Moorman, Michelle Danyluk and Laura Brown were recognized for their service. Tamara explained the process for the 2020 submissions and the timeline was reviewed.

**IAFP 2019 Evaluation** – The Committee provided feedback concerning IAFP 2019.

1. Technical Session Convenors need more guidance when session schedules need to be adapted.
2. Number of roles – the Committee reinforced the idea that speakers/panelists should have no more than 3 roles at Annual Meeting.
3. Manpreet asked if a webinar question could be added to the submission form.
4. The topic areas help with grouping submissions for review. The form should be revised to include Primary, Secondary, and Additional Topic Area.
5. The Committee requested a comprehensive spreadsheet of speakers and topic areas for the last 4 years for review.
6. Make certain that the speaker knows that the intent is to teach something new and worthwhile. Encourage talks beyond background information.
7. Set a stricter no photo/video policy and posting, so that speakers can continue to share information.

**Recommendations to the Executive Board:** None.

**Next Meeting:** Conference call in late October or early November.

**Meeting Adjourned:** 8:30 a.m.

**Chairperson:** Manpreet Singh.

## SPECIAL COMMITTEES

### 3-A Committee of Sanitary Procedures

**Members Present:** Carianne Endert-Klaasen (Chair), Nadia Narine, Evan Rosen, Steven Sims (Vice Chair), and Rick Stokes.

**New Members Present:** David Blomquist, Heather Garcia, Vinayak Ghate, Joanne Lim, Michele Sayles, and Paul Winniczuk.

**Visitors Present:** Rachael Blevins, Carmen Cantú, Claudia Coles, Denise Dufresne, Brian Shawn Eblen, Sid Fuller, Leena Griffith, Hillary Hagan, Alex Hanley, Amit Kheradia, Nathan Miller, Ana Monge Brenes, Gerardo Morantes, Lillian Nabwire, Aaron Patch, Gale Prince, Stephen Walker, Curtis Weller, and E. Noelia Williams.

**Number of Attendees:** 30.

**Meeting Called to Order:** 9:05 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Carianne Endert-Klaasen.

Attendees were welcomed by Carianne Endert-Klaasen (3-A CSP Chairperson).

Housekeeping: Badges scanned. New members, who would like to join the Committee, add name and contact information to roster in the back room.

#### **New Business:**

Presentation: Introduction to 3A Sanitary Standards Incorporated and the Committee of Sanitary Procedures (CSP) – Steven Sims (3-A CSP Vice-Chairperson).

Symposium ideas: Validation/Verification of cleaning procedures for FSMA. Like the idea being submitted by Food Hygiene and Sanitation PDG. Therefore, the CSP committee will support this.

**Recommendations to the Executive Board:** None.

**Adjourned:** 11:55 a.m.

**Chairperson:** Carianne Endert-Klaasen.

### Committee to Control Foodborne Illness

**Members Present:** Ewen Todd, Kari Irvin, Sherri McGarry, Michael Roberson, Michael Batz, Kristina Barlow, Barry Michaels, Peter Ben Embarek, Carl Custer, Bennett Armstrong, Ernest Julian, Bobby Krishna, Barry Michaels, Phyllis Posy, Tanya Roberts, Caroline Smith DeWaal, and Guodong Zhang.

**New Members Present:** Jaime Ragos.

**Board/Staff Present:** Roger Cook.

**Visitors:** Adam Kramer, Michael Bazaco, Doug Navoroske, Lisa Hainstock, Joseph Holt, Shayma Mohammed Altenajji, Elizabeth Noelia Williams, Jamie DeMent, and Glenda Lewis.

**Number of Attendees:** 28.

**Meeting Called to Order:** 8:06 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Kari Irvin.

**Old Business:** Ewen Todd shared the statement from IAFP regarding acceptable activities in Committees and requested changes to the agenda. No changes were proposed. Ewen shared an overview of the operations and missions of CCFI.

**Student PDG Representative.** The Student PDG update was provided by Jaime Ragos, the student from the Student PDG who was willing to partner with CCFI in discussing the Committee's goals including generating Roundtables and Symposium ideas. Jaime provided information on the mentoring program and suggestions on how CCFI members could sign up. The addition of a member of the Student PDG at the Committee meeting complies with the Board's 2018 recommendation to include a student in the CCFI annual meeting.

**Results of Symposia Planning from last year:** Kari Irvin reported on the five symposia and a RT being submitted by CCFI to be included at the 2019 Annual Meeting. Michael Batz added that "Attributing Illnesses to Food Sources in the Face of Uncertainty" Symposium supported by CCFI on Wednesday, July 24, 2019 at 2:00 p.m. was also noted.

**Roger Cook provided a quick Board Report.** He encouraged CCFI to think about succession planning, mentoring, and general changes within the organization.

#### **Discussion progress on manuals:**

1. *Procedures for Investigation of Foodborne Illness* manual.
  - a. There are outbreak investigation methods that need to be updated in the manual (to include Whole Genome Sequencing, Culture Independent Diagnostic Testing, and Improved Product Traceability).
    - i. Committee members have the following requests from the Board to assist prior to making the decision to move forward with updating the manuals:
      1. How much of an income the manual generates for IAFP over the past 5 years?
      2. How many hard copy manuals vs. online manuals have been sold?
      3. Do we have details on who the buyers are? Local, state, federal, industry, international partners?
      4. Were promotion activities at international events recommended at the 2018 meeting carried out?
      5. Does the board support potential IT improvements to online available resources (apps, fillable forms, etc.), also recommended at the 2018 meeting?
      6. Is there a pathway to offering any updated manuals for free since all manuals of other organizations including WHO are freely available?
        - b. If there is a re-write, the Committee recommends considering translation into several languages.

- c. An informational webinar to review the currently available foodborne illness outbreak investigation centric manuals was discussed as being helpful to bring everyone up to speed. Once established, potential outreach to other associations about what gaps exist in the model is in order.
- d. Once we get feedback from the Board, a subcommittee could be created in order to address how to update, what should be updated, etc.
  - i. Early feedback from President Tim Jackson: no purchase data of the foodborne and waterborne manuals over the last 18 months was available from publisher Springer despite requests by David Tharp. Tim is supportive of updating the manuals and sees these as relevant resources for illness investigations. Tim suggested that the IAFFP Foundation or companies may have interest in sponsoring the resource to all for free distribution. Tim will find out what the existing contractual obligations pertaining to the manuals are with Springer.
  - ii. A subcommittee was struck to review the needs to revise the 6th edition of the *Procedures to Investigate Foodborne Illness* manual (2011) and then proceed with those revisions: Michael Roberson, Carl Custer, Sherri McGarry, Michael Batz, Kari Irvin, Caroline Smith DeWaal, Peter Ben Embarek, Laura Gieraltowski, and Adam Kramer to work with Chair Ewen Todd.

2. **Diseases Transmitted by Food** manual, *3rd Edition*. This needs experts in plant toxins, chemicals, and parasites for updates. IAFFP has the draft and Committee members have filled in some of the bacterial pathogens, but there are still data gaps for biological toxins, parasites and chemicals. Adam Kramer agreed to compile a list of known sources for foodborne contaminate lists to see if this revision is necessary.
3. **Vector-borne and Rodent-borne** manual. Public Health Agency of Canada (PHAC) scientists are willing to take the lead but are looking for IAFFP collaboration. Vice Chair Judy Greig will dialogue with PHAC staff as how to proceed with the collaboration to bring for a proposal for Board approval.

**The 100-year history of the Committee.** Ewen Todd, co-author, will re-engage Frank Bryan on the status of the document, now several years in draft format, and propose CCFI's idea to shorten for an article in *Food Protection Trends*, or to split into two or more parts for separate publications (Ewen checked with Cathy Cutter, Editor, and that was her suggestion). Ewen Todd will send the current draft document to IAFFP Board for information as it is 5 years since it was written.

**Survey of IAFFP Members to determine their food safety habits.** Ewen Todd is meeting with Ben Chapman and Ian Young later during the Annual Meeting to produce a draft set of questions.

## **New Business:**

**Succession Planning.** Judy Grieg has retired from her PHAC position and does plan to come to future IAFFP meetings but will continue to act as Vice Chair until a replacement can be made in 2021. The Committee congratulated Judy on her retirement and thanked her for her long service as Vice Chair. Ewen Todd will solicit the Committee for nominations to fill the role.

Specific recommendations were made to update the Bylaws for CCFI:

1. Addition of a mission statement to promote professional development in foodborne illness outbreak detection, response, and prevention.
2. Propose the establishment of a Secretary with a 2-year term to support both the Chair and the Vice Chair.
3. Propose the establishment of progressive leadership for the Committee, with 2-year terms for both the Chair and Vice Chair. At completion of the 2-year term, the Chair will serve in a Past Chair capacity and the Vice Chair will become the new Chair. The Committee will then need to appoint a new Vice Chair.
4. The Committee will select a new Vice Chair to initiate this rotational process. Once that selection is made, a recommendation will be made to the Board for official appointment. In order for orderly transition, Ewen will continue to serve as Chair until the newly appointed Vice Chair completes the two-year rotation.

Changes to the format of the CCFI meeting time were discussed. A 2- or 3-hour open session was suggested, encouraging outside participation and symposium development. If additional time is needed for additional Committee business, it is suggested that it occurs outside of the 2- or 3-hour open session. A block of time could also be set aside for a presentation on epidemiology/disease investigation as a means to educate IAFFP members and visitors.

## **Symposium Ideas:**

The following members will explore the following topics and frame proposals for consideration by the Program Committee (PC). The first group is reactivation of previous proposals not accepted by the PC.

1. CIDT – What Does It Mean for Public Health and industry? Michael Roberson (lead) with Sherri McGarry.
2. International Approaches to the Safe Use of Irrigation and Wash Water in the Face of Water Shortages: Ewen Todd and Phyllis Posey.
3. How Do We Measure the Effectiveness of Regulatory food Safety Programs? Tanya Roberts and Caroline Smith DeWaal.
4. Impact of Marine Biotoxins and Lessons from the Past to Protect the Future: Ewen Todd; consider for a potential webinar; partner with Chair of Seafood Safety and Quality Group.

5. Outbreaks and Recall from Eggs – Prevention and Control Strategies: Laura Gieraltowski and Kari Irvin (may be more appropriate for 2021 Annual Meeting).
6. Are We Reaching Millennium Goals for Food Safety (Food security and access) – Ewen to provide recommendation to the IAFP Board for potential lecture at the opening or closing of the 2020 Annual Meeting by WHO epidemiologist on global foodborne diseases David Navarro (Caroline Smith DeWaal and Kari Irvin to work on a draft for Ewen Todd).
7. Navigating Food Safety across Cultures: Adopting New Foods – potential collaboration with International PDG: Caroline Smith DeWaal and Amarat Simonne.
8. Food Safety Impacting Tourism and Travel – Cruise ships – hold for now due to lack of volunteer to coordinate.
9. *Salmonella* in Coconuts – Lessons Learned from Recent Outbreaks: Kari Irvin and Laura Gieraltowski (potential for a webinar).
10. 2020 Foodborne Outbreak Update – Kari Irvin, Laura Gieraltowski, and Ewen Todd.

New ideas for symposia to explore.

- a. Upstream Sources for Recent Outbreaks: Laura Gieraltowski and Doug Noveroske.
- b. Non-O157 STECs in ground meat (beef and bison): Laura Gieraltowski and Doug Noveroske.
- c. Multi-year Outbreaks and Repeat Offenders: Laura Gieraltowski and Michael Batz.
- d. Traceability/Blockchain/Auditors: Kari Irvin and Sherri McGarry.
- e. Consumer Advisories (potential RT in collaboration with Food Safety Education PDG): Kari Irvin and Phyllis Posy.
- f. Multi-pathogen Contamination: Michael Batz, Michael Bazaco, and Sherri McGarry.
- g. Climate Change Impact on Food Safety – Ewen Todd and Michael Bazaco (reach out to Student PDG for co-sponsor).
- h. CIFOR guidelines update (webinar): Sherri McGarry.
- i. Current Trends in Eating Frozen Foods at Ready to Eat: Michael Bazaco and Sherri McGarry.
- j. Healthy People 2030: Michael Batz.

#### Recommendations for the Executive Board:

1. **Manuals.** Recommend the Board provide the following information to the Committee on the *Procedures for Investigation on Foodborne Illness* manual and *Procedures for Investigation on Waterborne Illness* manual:
  - a. How much income have the manuals generated for IAFP over the past 5 years?
  - b. How many hard copy manuals vs. online manuals have been sold?
  - c. Do we have details on who the buyers are? Local, state, federal, industry, international partners?

- d. Were promotion activities at international events completed as requested in the 2018 recommendations?
  - e. Does the Board support potential IT improvements to online available resources (apps, fillable forms, etc.)?
  - f. Is there a pathway to offering manuals for free?
  - g. Once feedback from the Board is received specific to the *Procedures for Investigation on Foodborne Illness* manual, CCFI will create a subcommittee to begin researching and addressing necessary updates to the current manual.
2. **Recommend the following changes to the Committee Bylaws:**
    - a. Addition of a mission statement to promote professional development in foodborne illness outbreak detection, response, and prevention.
    - b. Propose the establishment of the role of a Secretary with a 2-year term to support both the Chair and the Vice Chair; an incumbent does not necessarily progress to the role of Vice Chair.
    - c. Propose the establishment of progressive leadership for the Committee, with 2-year terms for both the Chair and Vice Chair. At completion of the 2-year term, the Chair will serve in a Past Chair capacity and the Vice Chair will become the new Chair. The Committee will then need to appoint a new Vice Chair.
    - d. Once the position of the current Vice Chair is completed (Judy Greig), the Committee will select a new Vice Chair to initiate this rotational process. Once that selection is made, a recommendation will be made to the Board for official appointment. Ewen Todd will continue to serve as Chair until the newly appointed Vice Chair completes a 2-year rotation and establishing the Secretary position.
  3. **Survey of IAFP Members** (by Ben Chapman, Ian Young, Ewen Todd, and Judy Greig).
    - a. **Survey.** Board approval and support for a CCFI draft interview questionnaire of approximately 20 selected IAFP Members, with a suggestion to contact PDG/Committee chairs/vice chairs, for IRB approval (Institutional Review Board).
    - b. **Focus groups.** As a follow up to the completed survey, Board approval of several focus groups to expand upon the survey results at the next IAFP meeting in Cleveland.
    - c. **Funding.** Board approval for funding for transcription of audio tapes for the survey and focus groups.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 4:35 p.m.

**Chairperson Name:** Ewen Todd.

## Constitution and Bylaws Committee

**Members Present:** Jennifer Quinlan (Vice-Chair), Kathy Glass, William Huntley, Bobby Krishna, Steve Murphy, Jenny Scott, and Caroline Smith DeWaal.

**New Members Present:** None.

**Board/Staff Present:** Michelle Danyluk and David Tharp.

**Visitors:** Basel Al Jaber and Mohamed Alshamsi.

**Number of Attendees:** 11.

**Meeting Called to Order:** 11:05 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Jennifer Quinlan.

### Old Business:

**New Vice Chair:** With the election of Michelle Danyluk to Secretary on the Executive Board, she could not complete her second year as Vice Chair of the Committee and Jennifer Quinlan was asked prior to the Annual Meeting to complete Michelle's term as Vice Chair as well as serve as Chairperson of the Committee for the next two years.

Meeting from the 2018 meeting reviewed: Approved unanimously with minor editorial corrections.

**Review of 2018 recommendations to the Executive Board:** The Executive Board agreed with all recommendations made in 2018 and the Committee agreed that the new statement regarding Roberts Rules of Order included in the 2019–2020 Committee and Professional Development Group Handbook was sufficient and clarified appropriate vote-taking processes for PDGs.

It was also discussed that while the Executive Board agreed with the recommendation to make the list of Award Committees be more consistent with current practices by making the wording more generic so that individual awards are not listed, this has not been done. Therefore it was agreed that this recommendation should be made to the Executive Board again this year.

### New Business:

**New Vice Chair:** Discussion surrounded the idea that there has been an attempt to rotate leadership of the Committee between a representative from industry, academia and government. Based on current membership and who has/has not already served as Vice Chair/Chair. A motion was made by Caroline Smith DeWaal that Bobby Krishna be nominated as the New Vice Chair, the motion was seconded by Kathy Glass and it was unanimously voted that Bobby Krishna be the new Vice Chair of the Constitution & Bylaws Committee. His appointment will be recommended to the Executive Board.

**New Committee Members:** There was discussion that over the past year or two some members of the committee have left the committee either because of retirement or election to the Executive Board. Therefore the committee would like to invite three individuals, one each from industry, academia and government, to join the committee. Potential IAFF members were identified and will receive an invitation to join the committee from the Chairperson upon approval of new members by the Executive Board.

## Recommendations to the Executive Board:

1. The list of Award Committees in the Bylaws should be updated to be consistent with current practices. That is, the current list is outdated and removal of actual names of awards and use of more generic wording would allow the Bylaws to be correct regardless of the addition of/or removal of awards.
2. Approve invitation of three new members to the committee, one each from industry, academia and government, to replace committee members who have left the committee over the past few years.
3. Approve Jennifer Quinlan as Vice Chair to complete the term vacated by Michelle Danyluk and then to serve as Chair beginning August 2, 2020.
4. Approve Bobby Krishna to serve as Vice Chair beginning August 2, 2020.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 11:35 a.m.

**Chairperson:** Jennifer Quinlan (Vice Chair).

## Foundation Committee

**Members Present:** Gary Acuff (Chairperson), Wendy White (Vice Chairperson and Recording Secretary), Jenny Scott, Neil Bogart, Alvin Lee, Ruth Petran, Kelly Stevens, Jim Dickson, and Pascal Delaquis.

**Advisors Present:** Zeb Blanton, Kathy Glass, Gale Prince, and Emilio Esteban.

**Board Members:** Tim Jackson (Board Liaison) and Michelle Danyluk.

**Staff Liaisons:** David Tharp and Lisa Hovey.

**Guests:** Tyler Eble (ADS Fundraising) and Jeff Borchardt (ADS Fundraising), and Bill Huntley.

**Meeting Called to Order:** 7:30 a.m., Wednesday, July 24, 2019.

Gary Acuff called the meeting to order and introduced the new Vice Chair, Wendy White. Wendy was appointed the Recording Secretary and attendees introduced themselves.

Gary called to approve the 2019 agenda, this was moved by Tim Jackson and seconded by Jenny Scott; motion was approved. Gary called to approve the 2018 meeting minutes, this was moved by Tim Jackson and seconded by Zeb Blanton; motion was approved.

Tyler Eble and Jeff Borchardt of ADS provided a fundraising report to review the efforts of the past few months. The pre-meeting efforts yielded \$56,000; this included thirty-five \$1,000 donors. An additional \$23,000 was raised at the meeting (as of Tuesday morning), which triggered the generous Weber match of an additional \$20,000. Bill Marler has committed to giving \$5,000 in Doug Powell's name to fund additional student travel scholarships. The Silent Auction yielded an additional estimated \$12,000.

ADS has plans to continue the marketing efforts and will compile a comprehensive report to analyze the initiative by the end of July. They approached additional potential



corporate donors during the meeting and will follow-up in the next few weeks. Tim raised the need to develop messaging around building a compelling case for potential donors beyond the travel scholarships to encompass continuing mentorship and career development. In the long term, messaging will be developed around potential Foundation activities that could be achieved with higher levels of capital (ex: Fellowships for career development, FAO, seed funding, emergency relief, etc.).

David Tharp gave the financial reports. There was a small decrease in capital funds, May 31, 2018 to same time, 2019, due to market losses. Donations in 2018 were approximately \$30,000 over 2017. There will be an additional expenditure of approximately \$50,000 in 2019, due to the ADS consulting fees. The 2020 budget was reviewed.

#### **Unfinished Business:**

During the 2018 meeting, there was a decision to not announce a return of honorarium. Honorarium contributions are unknown at this time.

#### **New Business:**

The attendees discussed raising the number of travel awards. Jenny Scott raised an option to craft discussions to targeted corporate sponsors around what a certain monetary amount can do (ex: for \$X, we can sponsor an additional two professionals from a developing country). The discussion evolved to other support efforts IAFP can offer to professionals in developing countries (webinars, etc.). Gary called for attendees to brainstorm ideas to extend the work that the Foundation can support. Wendy also raised the need to market webinars to small manufacturers; partnering with other organizations (extension, affiliate chapters, etc.).

There was discussion around the performance of the fundraising consultants. The initiative to reach out to traditional donors prior to the meeting was successful, but it was in a less forceful way. Tim discussed the need to exploring partnerships with other global charitable organizations (Gates Foundation, Pew Charitable Trust, etc.).

Discussion around additional efforts for Foundation funds: career development via webinars, additional scholarships, fellowship, etc. Gale Prince suggested targeting educational outreach efforts to young adults and children. Innovative fundraising ideas: Amazon Smile (with step by step instructions), targeting members from companies that provide a match (gentle marketing to encourage giving in that direction), and automatic monthly giving.

#### **Final Comments:**

- Follow-up with corporations and crafting marketing messaging that will resonate.
- Send out a year-end request in December.
- Send out a post-annual meeting request for giving.
- Quarterly communication with members on Foundation accomplishments (developing scientist update, *FPT* update).
- Quarterly Foundation calls (Aug., Oct., Jan., and April). Please send Gary ideas for the agenda.

- First call will be August 22 at 4:00 p.m. ET to review and discuss the ADS Report.

#### **Recommendations to the Executive Board:**

1. Pursue monthly Foundation contributions.
2. Revisit establishing international registration of the Foundation as a charity.
3. Allow ADS contract to expire. Continue to evaluate 2019 efforts and marketing strategy.
4. Approve Wendy White as Vice Chair.

**Meeting Adjourned:** 8:43 a.m.

**Chairperson:** Gary Acuff.

### **Membership Committee**

**Members Present:** Zeb Blanton (Chairman), Susan Linn (Vice Chairman), Leon Gorris, William Huntley, Susan McKnight, and Jenny Scott.

**New Members Present:** Stephanie R.B. Brown (Student Liaison).

**Board/Staff Present:** Ruth Petran (Board Liaison) and Lisa Hovey (Staff Liaison).

**Visitors:** Emilio Esteban, Michael Lee, and Niradha Withana Gamage.

**Number of Attendees:** 12.

**Meeting Called to Order:** 2:00 p.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Zeb Blanton, Chairman.

#### **Old Business:**

1. Last year we discussed putting a greater emphasis towards an Annual Meeting in Canada. We now see that a meeting has been scheduled for Toronto in 3 years.
2. The committee felt that we should have a designated representative on the committee for LATAM (especially Mexico) and the Student organization. We have a new Student representative Stephanie Brown.
3. The membership numbers for the past 10 years were discussed and IAFP is still on a steady increase. We also listed the numbers for Canada and Mexico showing we still have some work to do in increasing membership outside the U.S. All remaining Central and South America, listed as LATAM. AsiaPac and Europe, Africa and Mid East combined still need work to grow.
4. As asked for future reporting, we did have the numbers for Student membership included in the reporting.

#### **New Business:**

1. The committee discussed the possibility to have a single PPT slide showing the membership benefits our affiliates can use for their AECs and all IAFP Webinars.
2. The committee also discussed the possibility of having representatives to attend other association meetings in LATAM promoting IAFP membership.

3. Discussion was had about getting more involved in the universities and colleges to improve the student participation. Our Student Liaison and Vice Chair Susan Linn will investigate and report back to the committee about options going forward.
4. The committee also discussed the possibilities of using Social Media more to promote IAFP membership.
5. The committee discussed the possibility of creating a video clip for IAFP that can be used as a community service message and membership promotion tool.

**Recommendations to Executive Board:** Approve Susan Linn as Vice Chair.

**Next Meeting Date:** TBD (seeking possibility of moving to Tuesday afternoon, any time after the IAFP Business meeting).

**Meeting Adjourned:** 2:37 p.m.

**Chairperson:** Zeb E. Blanton, Jr.

### **Nominating Committee**

**Members Present:** Joshua Gurtler (Chair).

**Board/Staff Members Present:** Kali Kniel and David Tharp.

**Meeting Called to Order:** 4:00 p.m., Sunday, July 21, 2019.

**Recording Secretary of Minutes:** Joshua Gurtler.

**Old Business:** None.

**New Business:** Confidential consideration of candidates for Secretary of IAFP.

**Recommendations to the Executive Board:** None.

**Next Meeting Date:** Teleconference to be scheduled for further deliberation in October.

**Meeting Adjourned:** 4:57 p.m.

**Chairperson:** Joshua Gurtler.

### **Past Presidents' Committee**

**Members Present:** Linda Harris (Chair), Mickey Parish (Vice Chair), Gary Acuff, Robert Brackett, Kathleen Glass, Alejandro Mazzotta, and Jenny Scott.

**Board/Staff Present:** Tim Jackson and David Tharp.

**Number of Attendees:** 8.

**Meeting Called to Order:** 3:30 p.m., Saturday, July 20, 2019.

**Minutes, Chair and Vice Chair:** Linda Harris and Mickey Parish.

**Old Business:** Black Pearl Article in *FPT* – Mickey and Linda agreed to move forward with an article on the Black Pearl Award. David suggested we interview Harold Bengsch for information regarding the award history.

### **New Business:**

1. There was a general discussion regarding new activities and the direction of the Foundation.
2. Tim Jackson was appointed the incoming Vice Chair.
3. See Farrah for the list of exhibitors to visit.

### **Recommendations to the Executive Board:**

1. The Past Presidents' Committee recommends approval of Tim Jackson as the new Vice Chair-Elect.

**Meeting Adjourned:** 4:30 p.m.

**Chairperson:** Linda Harris.

### **Webinar Committee**

**Members Present:** Don Schaffner (New Chair), James Dickson, Doug Marshall, Manan Sharma, Manpreet Singh, and P.C. Vasavada.

**New Members Present:** Veronica Bryant (New Vice Chair) and Kaitlyn Casulli.

**Board/Staff Present:** Kali Kniel and Tamara Ford.

**Number of Attendees:** 10.

**Members who could not attend due to conflicts:** Gary Acuff and Wendy White.

**Meeting Called to Order:** 9:00 a.m., Sunday, July 21, 2019.

Jim Dickson made a motion to approve the minutes from the 2018 Annual Meeting and Doug Marshall seconded the motion. The minutes were approved via unanimous voice vote.

Kali Kniel provided an update from the Board and discussed that the Foundation funds will be used to sponsor the webinars. Kali Kniel discussed and encouraged the use of IAFP Connect for communications.

We had a discussion on increasing the members in the Webinar Committee. It was proposed that we have the capacity to recruit and grow the Committee from the current 12 to 16 members. At the moment there are a few (3 or 4) members who have not been active in the Committee and Manpreet and Tamara will be communicating with these inactive members to see their continued interest. Several new members have been proposed to join the Committee and the Committee will be communication with these members to gauge their interest in joining the Committee.

There were further discussions regarding schedule conflicts with the other PDGs that may prohibit members of the WC to attend the meeting. We propose starting the meeting at 8:30 a.m. on Sunday limiting the length to 1-hour to avoid/minimize overlap with PDG meetings.

The Webinar Committee discussed engaging with the PDGs regarding general themes of symposium proposals and seeks input to invite members to submit proposals for webinars. We will be actively engaging with members whose proposals are not accepted by the Program Committee and requesting proposals for webinars.

We discussed developing a short summary of the

start to finish webinar process to aid those seeking to give webinars.

Tamara will develop a web-based form for proposal submission for easier submissions and review by the Webinar Committee. There were discussions about having a “check box” on the symposium submission forms to gauge interest for webinars in the event of an unfavorable response from the Program Committee.

We will be seeking timely topics on outbreaks, seasonal events via IAFP Connect for volunteers to develop these webinars.

**Recommendations to the Executive Board:**

1. Due to Manpreet Singh’s obligations as the Chair of the Program Committee, he has resigned as Chair of the Webinar Committee.

2. The Committee recommends Don Schaffner as the new Chair, effective at the end of IAFP 2019.
3. The Committee recommends that Veronica Bryant be appointed as the Vice Chair of the Webinar Committee effective at the end of IAFP 2019.
4. The Committee recommends that the meeting time be changed to 8:30 a.m. on Sunday to minimize overlap with PDG meetings.

**Next Meeting:** August 2, 2020, Cleveland, Ohio.

**Adjourned:** 10:00 a.m.

**Chairperson:** Donald Schaffner.

# PROFESSIONAL DEVELOPMENT GROUPS

## Advanced Molecular Analytics PDG

**Names of Attendees:** Karen Jarvis (Chair), Xiangyu Deng (Vice Chair), Seun Agbaje, Hany Anany, Justin Anast, Ashley Aurand, Leen Baert, Mikio Bakke, Pratik Banerjee, Scott Benko, Rachel Binet, Mick Bosilevac, Luc Bourbonniere, Megan Brown, Catharine Carlin, Jessica Chen, Elaine Chiu, Andrea Cipriani, Michelle Danyluk, Jamie Dement, Francisco Diez-Gonzalez, Vikrant Dutta, April Englishbey, Patrick Fach, John Fam, Khashayar Farrokhzad, Willis Fedio, Emily Feldpausch, Savannah Forgey, Aliyar Fouladkhah, Eduardo Franco Frias, Mario Gadanho, Oscar Galagarza Angulo, Heather Garcia, Beilei Ge, Solomon Gebru, Zachery Geurin, Virendra Gohil, Julie Haendiges, Yingshu He, Sunee Himathongkham, Maria Hoffmann, Edan Hosking, Laura Howard, Lee Katz, Michelle Keener, Brandon Kocurek, Jasna Kovac, Zachary Kuhl, Keith Lampel, David Legan, Shaoting Li, Johnathan Likens, Pushpinder Litt, Yuqian Lou, Shannara Lynn, Sabrina Mace, Frederic Martinez, David Melka, Joseph Meyer, Jesse Miller, Hansel Mina, Paul Morin, Xiangwu Nou, Ismail Odetokun, Palmer Orlandi, Franck Pandiani, Sophie Pierre, Florence Postollec, Yan Qi, Irwin Quintela, Joelle Salazar, Sarah Sanderson, Maria Scott, Girdhari Sharma, Sharon Shea, Shreya Singh Hamal, Daniel Smieszek, Daniele Sohier, Ben Somerton, Eric Stevens, Diane Stewart, Sandra Tallent, Nicholas Tan, Natsumi Tanaka, Carmen Tartera, Mary Lou Tortorello, Chun Wang, Xuwen Wieneke, Niradha Withana Gamage, Florence Wu, Season Xie, Feng Xu, Cheng Zhang, Jane Zheng, and Wen Zou.

**Number of Attendees:** 96.

**Meeting Called to Order:** 9:00 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Eric Stevens and Julie Haendiges.

**Old Business:** A motion was made and passed to accept the 2018 meeting minutes with no revisions.

### New Business:

1. The IAFP anti-trust guidelines were reviewed.
2. A summary of symposia/roundtables to be presented at the 2019 meeting were reviewed.
3. Speaker presentation: A week in The Life of Bioinformatics and Public Health, Lee Katz, CDC.
4. Speaker presentation: Food Microbiology Testing: What's Next? Michelle Keener, bioMérieux.
5. Speaker presentation: Developing standardized testing methods for cannabis compounds in food? Jesse Miller, NSF International.
6. Discussion about IAFP Connect – please log in and use this feature to communicate with other AMA PDG members if you are a member of IAFP.
7. Proposed symposia topic topics from AMA PDG members for the IAFP 2020 meeting.

- a. Ways that different countries respond to outbreaks – intersect between AMR, food and trade – Eric Stevens; co-sponsor with international PDG.
- b. Intersection of Block chain and Pathogen surveillance – Jesse Miller.
- c. Emerging Pathogens – Jesse Miller.
- d. Importance of water in food safety – Eric Stevens.
- e. WGS workshop to include command line learning and metagenomics analyses – Maria Hoffman.
- f. Correlating Human Genome information with AI machine learning to understand transmission of foodborne pathogens.
- g. Probiotics speciation via WGS and other cheaper methods.
- h. Utilization of metagenomics to understand pathogen persistence and transmission through the food supply chain.
- i. Testing agricultural water for foodborne pathogens – Willis Fedio.
- j. Utilization of metagenomics to optimize culture methods for foodborne pathogens – Willis Fedio.
- k. Dos and Don'ts of using machine learning to understand pathogen persistence and transmission – Xiangyu Deng.
- l. How can we implement advanced technologies (WGS tools) for routine use in underdeveloped countries? Address issues such as lack of electricity – can cell phone apps provide support? There's an app for that.
- m. Develop standardization, validation, and verification methods/SOPs for WGS workflows implemented among agencies and institutions (FDA, USDA, AOAC, ISO).
- n. Update on *Vibrio* in Oysters.
- o. How to respond when a pathogen screening tool result is presumptive?

### List of Recommendations to the Executive Board:

1. Is there a way to incorporate a drop-down menu so that members can choose more than one co-sponsor for symposia and roundtables?

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 10:30 a.m.

**Chairperson:** Karen Jarvis.

## Applied Laboratory Methods PDG

**Names of Attendees:** Keith Lampel (Chair), Joseph Meyer (Vice Chair), Sufian Al Khaldi, Hany Anany, Ted Andrew, Sadiye Aras, Ashley Aurand, Devendra Bhandari, Rachel Binet, Preetha Biswas, Mick Bosilevac, Bob Brackett, Alex Brandt, Megan Brown, Sharon Brunelle, Annemarie Buchholz, Kristin Butler, Catharine Carlin, Pete Carothers, John Mark Carter, Michelle Carter, Caio Carvalho, Anindya Chanda, William Chaney, Jian Chen, Yuhuan Chen, Elaine Chiu, Andrea Cipriani, Larry Cohen, Angel Conde, Michelle Danyluk, Gregory Danzeisen, Jessica

Danzeisen, Atin Datta, Kaiping Deng, Benjamin Diep, Erin Dreyling, Blanca Escudero, Emilio Esteban, Patrick Fach, John Fam, Khashayar Farrokhzad, Willis Fedio, Paula Fedorka Cray, Emily Feldpausch, Glen Feller, Heather Garcia, Solomon Gebru, Narjol Gonzalez Escalona, Nancy Gushing, Kevin Habas, Leanne Hahn, Jennifer Hait, Yun-Yun, Diana Hao, Sunee Himathongkham, Jessica Hofstetter, Jani Holopainen, Edan Hosking, Kristen Houck, Laura Howard, Stevie Hretz, Lijun Hu, Kristen Hunt, Paul In't Veld, Bulbul Jain, Laurent Jain, John Jarosh, Lee-Ann Jaykus, Thomas Junillon, Shivaramu Keelara, Michelle Keener, Charles Kennett, Ramin Khaksar, David Kingsley, Brandon Kocurek, Zachary Kuhl, Alvin Lee, Jennifer Lee, David Legan, Johnathan Likens, Ivonne Litwin, Shannara Lynn, Sabrina Mace, Doug Marshall, Ryan Maus, Tammy McFate, Jaakko McVey, Melinda Miller, Ryan Miller, Molly Mills, Paul Morin, Benjamin Morrow, Mark Muldoon, Miles Murphy, Neda Nasheri, Joseph Nicholl, Joyce Njoroge, Xiangwu Nou, Omar Oyarzabal, Mickey Parish, Kyung Min Park, Stephanie Pollard, Laurie Post, Beatriz Quiñones, Irwin Quintela, Christophe Quiring, Jerry Reeves, Pat Rule, Amreeta Sarjit, John Schmidt, Brandon Selover, Manoj Shah, Arlette Shazer, Sharon Shea, Weilin Shelver, Nilay Sheth, Shreya Singh Hamal, Gregory Siragusa, Daniel Smieszek, Barbara Smith, Thierry Sofia, Daniele Sohier, Marianne Solomotis, Diana Spitznagel, Michael Springer, Christina Stam, Diane Stewart, Stacy Stoltenberg, Cassandra Suther, Nicholas Tan, Carmen Tartera, Daniel Thompson, Leslie Thompson-Strehlow, Mary Lou Tortorello, Danielle Trudelle, Aaron Uesugi, Jason Wan, Chun Wang, Pamela Wilger, Charon Willis, Shuang Wu, Amy (Hsin-Bai) Yin, Mohamed Youssef, Robyn Zaches, Cheng Zhang, Guodong Zhang, Jane Zheng, and Wen Zou.

**Number of Attendees:** 148.

**Meeting Called to Order:** 3:15 p.m., Sunday July 21, 2019.

The meeting was called to order by Chair Keith Lampel with the presence of Vice Chair Joe Meyer. All members were reminded that they can update their PDG affiliations by logging into the IAFP website. The Antitrust Guidelines from the Association were presented on two slides.

**Minutes Recording Secretary:** Joseph Meyers.

#### **Old Business:**

1. Minutes from 2018 meeting were presented. Motion to approve was made by Pam Wilger, seconded David Legan. There was no further discussion and the minutes were approved.

#### **New Business:**

Susan Smith (IAFP) provided an overview of the international student mentorship program at IAFP and the benefits it can provide to the mentees.

Tamara Ford (IAFP) provided tips on the development of proposals for symposia and roundtables and the importance of encouraging involvement of new speakers and convenors. Tamara also provided a brief overview of IAFP

Connect and the benefits it provides for communication within the PDGs.

Barbara Smith (Arkansas IAFP Affiliate) discussed the some of the activities of the affiliate over the past year and how the local affiliates benefit members at the local or regional level.

Bob Brackett (IFSH) provided an overview of block-chain technology, its potential to improve food safety, and some of the hurdles to its implementation.

Pam Wilger (IAFP Program Committee) discussed the committee's process of reviewing proposals and abstracts, tips for developing proposals, and guidance materials that are available on the IAFP website.

Several proposal titles were collected throughout the discussion on topics for 2020:

- Rapid confirmation of pathogen presumptive results.
  - Organizers: David Legan, Larry Cohen, Alex Brandt.
  - Level of confirmation required.
  - Cross-platform or cross-technology confirmation.
- Harmonization of cultural methods across countries/ regions.
  - Organizer: Paula Cray.
  - Harmonization of analytics, interpretation and outcome.
  - Special emphasis on environmental methods.
- Application of artificial intelligence (AI) in analysis of foodborne pathogen data sets.
  - Organizer: Paula Cray.
  - An AI app to screen published data using natural language.
  - AI in science – is it opening Pandora's box?
- Use of Biosensors – and phage-based technologies.
  - Organizer: Hany Anany.
  - Standards and means for the determination of live versus dead cells and infectious versus non-infectious viral particles.
- Verification methods for non-culturable foodborne pathogens.
  - Organizer: Marianna Solomotis.
- Are GMOs safe to eat: educating the consumer.
  - Organizer: Marianna Solomotis.

**Recommendations to the Executive Board:** None.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 4:40 p.m.

**Chairperson:** Keith Lampel.

### **Beverage and Acid/Acidified Foods PDG**

**Attendees:** Barbara Ingham (Chair), May Yeow (Vice Chair), Seun Agbaje, Nate Anderson, Elizabeth Andress, Bennett Armstrong, Ashley Aurand, S. (Bala) Balamurugan, Adam Borger, Samantha Bradley, Pendyala Brahmaiah, Fred Breidt, Marisa Bunning, Carmen Cantú, Ellise Canty, Erdogan Ceylan, Suchart Chaven, Charles Czuprynski, Brian Shawn Eblen, Joell Eifert, Elsa Fakhoury, Tracy Fink, Nancy Flores, David French, Zhujun Gao, Muchigi Githii,

Vybhav Vipul Sudhir Gopisetty, Xiaoxu Han, Eleanor Hanson, Upasana Hiram, Dave Horowitz, Michelle Keener, Gene Marie Kennedy, Charles Kennett, Donghyun Kim, Shira Kramer, Loralyn Ledenbach, Alvin Lee, Jennifer Lee, Yuqian Lou, Suzanne Mailman, Rachel McEgan, Katie Murchison, Wilfredo Ocasio, Omar Oyarzabal, Jinhwa Park, Richard Park, Ankit Patras, Xiaoyan Pei, Michael Peralta, Ruth Petran, Hannah Pilch, Richard Podolak, Florence Postollec, Phyllis Posy, Roderick Pundamiera, Felix Ramos Guerrero, Aishwarya Rao, Emilia Rico, Catherine Rolfe, Pat Rule, Sarah Sanderson, John Saniga, Subash Shrestha, Guy Skinner, Barbara Smith, Thierry Sofia, Naveen Kumar Srinivasa Murthy, Charles Staff, Sally Streeeter, Rico Suhalim, Abdullatif Tay, Merlyn Thomas, Clare Thorp, Carmen Vaquera, Kiyonna Williams, Anett Winkler, Paul Winniczuk, Bruno Xavier, Mohamed Youssef, Bingzhuo Zhao, and Chee Zheng.

**Number of Attendees:** 82.

**Meeting Called to Order:** 1:00 p.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** May Yeow.

**Welcome and Roll Call:** Barbara Ingham.

**Introductions:** Barbara Ingham.

**Anti-trust Guidelines:** Barbara Ingham.

**Board Liaison Comments:** Barbara Ingham.

The IAFP Executive Board welcomes you to Louisville and IAFP 2019. The Board hopes you enjoy the conference. Let the Board know if you need assistance or you can stop at the IAFP registration desk. Webinars no longer need sponsorship due to the IAFP Foundation supporting the expense. Membership is required to view the recorded webinars. Please make use of IAFP Connect for your PDG or Committee communications. 207 program proposals were submitted for 2019 Annual Meeting; 87 were accepted.

**Old Business:** Review and approval of 2018 Meeting Minutes. Motion to approve the minutes; seconded and approved.

#### **New Business:**

- 2019 PDG-sponsored programs:
  - S26: Monday, July 22 – 3:45 – 5:15 Room M105. A South/Latin American Perspective on Microbiological Safety and Regulatory Guidelines for Fruit Juices: Issues and Opportunities.
  - S29: Monday, July 22 – 3:45 – 5:15 Room M112. Statistical Methods for Microbiological Data and Process Validation: The *P*-value is What?
  - S57: Wednesday, July 24 – 8:30 – 10:00 Biofilm Removal as a Critical Part of Spoilage and Pathogen Contamination Prevention.
- Call for Topics for 2019/2020.
  - What is pH? pKa values, pH buffering capacity, pH predictive modeling.  
Webinar series – Fred Breidt and Yuqian Lou.
  - Defining safe harbors and worst-case scenario formulation/process.

Roundtable – Wilfredo Ocasio, Yuqian Lou, Omar Oyarzabal, and Pat Rule.

- Fermentation of beverages: Hazard analysis/preventive control/regulatory.  
Webinar/Symposium – Bruno Xavier and Yuqian Lou.
- Non-thermal technologies for safety and quality of beverages (science, regulations, validation).  
Webinar/Symposium – S. Balamurugan and Ankit Patras.
- Preventive controls as applied to formulation-controlled products (e.g., soy sauce).  
Workshop – Adam Borger, Lori Ledenbach, and May Yeow.
- Functional waters and beverages: safety and spoilage controls.
  - Cold brew coffee, kombucha, etc.
  - Technologies, strategies, and mitigations.  
Symposium – Emilio Esteban, Wilfredo Ocasio.
- How can we effectively reuse/reclaim water end-to-end.  
Yuqian Lou, Suchart Chaven.
- Cottage foods industry support (food safety, regulations, formulations, etc.).  
Webinar – Omar Oyarzabal, Dave French.
- Hydration of dehydrated ingredients for aseptic processes.  
Symposium – Wilfredo Ocasio, Dave Horowitz, May Yeow.
- Detection methods for spoilage organisms in beverages (e.g., *Alicyclobacillus*).
  - What is the standard?
  - Novel methods.
  - Emerging microbes.
  - ESL products.  
Webinar series – Jennifer Lee, Pat Rule, May Yeow.

**Recommendations to the Executive Board:** None.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 2:15 p.m.

**Chairperson:** Barbara Ingham.

### **Dairy Quality and Safety PDG**

**Names of Attendees:** Nancy Huls (Chair), Wendy McMahon (Vice Chair), Sulaiman Aljasir, John Allan, Jose Almanza-Rubio, Justin Anast, Cindy Anderson, Claudio Andrade, Shaheen Banabeela, Katrien Begyn, Arpan Bhagat, David Blomquist, Neil Bogart, Alex Brandt, Meikel Brewster, Catharine Carlin, Pete Carothers, Luis Cervantes-Chaparro, Elaine Chiu, Andrea Cipriani, Larry Cohen, Claudia Coles, Roger Cook, Gregory Danzeisen, Jessica Danzeisen, Atin Datta, Alejandro Echeverry, Carianne Ender-Klaasen, Sarah Engstrom, Patrick Fach, Justin Falardeau, John Fam, Tim Freier, Gregory Fridman, Chad

Galer, Alexandra Garcia, Randal Garrett, Kathleen Glass, Peggy Good, Josie Greve Peterson, Kevin Habas, Mohammad Ruzlan Habib, Ahmed Hammad, Xiaoxu Han, Melinda Hayman, Erin Headley, Joe Heinzelmann, Jessica Hofstetter, Katy Holzer, Kristen Houck, Xiaoping Huang, Brynn Husk, Thomas Junillon, Kerry Kaylegian, Kerry Kaylegian, Michelle Keener, Gene Marie Kennedy, Pete Kennedy, Amit Kheradia, Nicolas Kosa, Mark Kreul, Zachary Kuhl, David Legan, Vickie Lewandowski, Haiping Li, Cari Lingle, Ivonne Litwin, Sabrina Mace, Deon Mahoney, Yvonne Masters, Alejandro Mazzotta, Rachel McEgan, Susan McKnight, Minto Michael, Katie Moore, Sarah Murphy, Steve Murphy, Rosalind Neale, Obianuju Nsofor, Elvina Parlindungan, Xiaoyan Pei, Matt Petrash, Florence Postollec, Phyllis Posy, Gale Prince, Terry Pruden, Christophe Quiring, Sarita Raengpradub Wheeler, Raj Rajagopal, Amy Rhodes, Brendan Ring, Allen Saylor, Kristin Schill, Brooke Schwartz, Girdhari Sharma, Arlette Shazer, Nilay Sheth, Steven Sims, Ben Somerton, Diana Spitznagel, Christina Stam, Tyler Stephens, Lang Sun, Christy Swoboda, Brad Taylor, Luke Thevenet, Clare Thorp, Brian Umberson, Vijay Vankar, Kirty Wadhawan, Stephen Walker, Dave Wankowski, Joyce Wert, E. Noelia Williams, Charon Willis, Sharon Wilson, and Season Xie.

**Number of Attendees:** 117.

**Meeting Called to Order:** 1:00 p.m., Sunday, July 21, 2019.

The Chair welcomed members, introduced the Vice Chair and Student Liaison, the Anti-trust Guidelines were reviewed, and the 2018 meeting minutes were approved.

**Minutes Recording Secretary:** Sarah Murphy.

**Old Business:** No old business to discuss.

**New Business:**

- Nominations for the Secretary position.
- Roger Cook (Executive Board) in attendance (and recognized).
- Communications will now be through IAFP Connect.
- We shared the 2019 meeting programming with Dairy PDG sponsorship.
- Reviewed conference call dates and times.
- 2020 Dairy PDG program ideas were discussed.
  - a. Programming ideation:
    1. Interaction of foodborne pathogens with food microbiome.
    2. Latest research in culture-methods to detect pathogens or surrogates for pathogens and rapid testing.
    3. *Listeria*.
    4. Water re-use and treatment in food plants.
    5. Fluorocarbons in milk.
    6. Data-driven quality management.
    7. Safety aspects around raw milk products.
    8. Translation of research to make applicable for small enterprises.

- Raj Rajagopal (3M Food Safety) and Catharine Carlin (Cornell University) presented on “Non-confirming Molecular Pathogen Results.”
- Announcements:
  - a. “Managing Microbiological Testing as a Preventive Control Verification Symposium” will be held October 24, 2019 in Burr Ridge, IL.
  - b. 50th annual meeting Dairy Practices Council will be held on November 6–8 in Portland, ME.

**Recommendations to the Executive Board:** None.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 2:40 p.m.

**Chairperson:** Nancy Huls.

### **Developing Food Safety Professionals PDG**

**Names of Attendees:** Dina Scott (Chair), Matthew Moore (Vice Chair), Seun Agbaje, Basel Al Jaber, Abdulaziz Alhajeri, Ali Alkathiri, Mohamed Alshamsi, Justin Anast, Renee Anderson, Charles Bashiru Bakin, Takiyah Ball, Cameron Bardsley, Ata Al Baroudi, Chris Boyles, Stephanie Brown, Daniel Burnett, Jack Burnett, Anne Carr, Komita Carrington, Charita Chapman, Shani Craighead, Kathryn Davis, Lindsey Day, Jamie Dement, Minh Duong, Kevin Edwards, Bertrand Emond, Khashayar Farrokhzad, Hadda Faye, Melanie Firestone, Connie Fisk, Savannah Forgey, Monica Galleguillos, Zhujun Gao, Muchigi Githii, Ayanna Glaize, Chase Golden, Gayathri Gunathilaka, Alan Gutierrez, Steve Hails, Susan Hammons, Alex Hanley, Upasana Hariram, Sophia Harrand, Emily Harvey, Paula Herald, Kirsten Hirneisen, Richard Huang, Runze Huang, Sharon Humphries, Annette Kenney, Bob Kramer, Sakshi Lamba, Kristin Lane, Soon Kiat Lau, Judi Lazaro, David Limbaugh, Pushpinder Litt, Briana Lorenzo, Chip Manuel, Claire Marik, Jim Marks, Wendy McMahan, Maia McNair, B. J. Mikeska, Ana Monge Brenes, Naim Montazeri, Katie Murchison, Sarah Murphy, Rosalind Neale, Angela Nguyen, Gina Nicholson Kramer, George-John Nychas, Ismail Odetokun, Adeniyi Odugbemi, Phd, Ikechukwu Oguadinma, Michael Peralta, Eric Puente, Forest Reichel, Catherine Rolfe, Chris Rupert, Sarah Sanderson, Jason Scheffler, Maria Scott, Chuck Seaman, Shruthi Shankar, Laura Strawn, Lang Sun, Todd Taylor, Merlyn Thomas, Anna Townsend, Heidi Tremblay, Kirty Wadhawan, Kasey Ward, Lisa Weddig, Chanelle White, Martin Wiedmann, Edith Wilkin, Kiyonna Williams, Niradha Withana Gamage, Bruno Xavier, and Morgan Young.

**Number of Attendees:** 104.

**Meeting Called to Order:** 3:15 p.m., July 21, 2019 by Dina Scott.

**Minutes Recording Secretary:** Chase Golden.

**Old Business:** The agenda was reviewed and approved and last year’s minutes were voted on and approved by the group.

## **New Business:**

### **1. Adapting and Utilizing Next Generation Informatics Methods – Martin Wiedmann and Sarah Murphy.**

- a. The Wiedmann group focuses on problem-based food safety issues and use data science to tackle the issues.
- b. Future of food safety is in data.
- c. Trad. food safety training has not properly emphasized data science.
- d. Food safety professionals need to embrace data science so that those without the food safety subject matter skills don't take over these jobs.
- e. Take data and convert it to information.
  - i. Information is valuable to make and drive decisions.
  - ii. Need to present the information in ways that people can understand and use in the decision-making process.
- f. Major components of next gen. informatics.
  - i. Data management and building relational databases.
  - ii. Data visualization.
  - iii. Data analysis (statistics and bioinformatics).
  - iv. Generate predictive models.
- g. Open-source software like R is very important.
  - i. Helps to eliminate manual "cut and paste errors," etc.
- h. Preparing for careers that require data science skills.
  - i. Critically read papers and understand what they are doing.
    1. Look under the hood at their algorithms, parameters, etc.
  - ii. Learn how to code (especially in R).
  - iii. Apply languages to practical problems that you encounter with your job/life.
    1. Helps you to learn languages very quickly.
- i. Forgotten skills.
  - i. Numerical common sense.
  - ii. Basics.
    1. *P*-value definition.
    2. Math with logs.
  - iii. Biology of systems that you are dealing with.
- j. Take home messages.
  - i. Future of food safety is in data.
  - ii. We need people that understand data science, biology, and industry/practical appliances.

### **2. Overview of 2 UK Initiatives: Food Safety Professionals Register and Competencies for new graduates – Bertrand Emond.**

- a. Food Safety Professionals Register.
  - i. IFST's professional register recognized and supports those working at all levels in food safety roles throughout the sector.

- ii. People get on to the register through a peer-reviewed application.
  1. Depends on experience and technical qualifications.
- iii. Employees use it for professional development and employers use it to be confident in their employees.
- iv. Food safety principal – Food safety manager – Food safety practitioner.
  1. Hierarchy.
- b. Competencies for Food Graduate Careers.
  - i. "Oven-ready graduates".
  - ii. Project started in 2015 to help determine what competencies may be desired in a new graduate and how graduate programs can help students obtain these skills.
  - iii. 14 potential food science careers were identified and certain desirable traits for each role were assigned.
    1. Helps to get people into the right careers and have proper competencies.
  - iv. Using data from this initiative, they were able to write clear job specifications that were helpful in terms of recruiting and identifying the best candidate for the job.
  - v. Questions and answers.
    1. Register: How long is validity for register?
      - a. Annual registration.

### **3. Student PDG announcements – Chase Golden.**

- a. Student PDG mentor/mentee program is continuing this year.
- b. Various Student PDG-sponsored events occurring at 2019 IAFFP.

### **4. Food Safety Careers in the Seafood Industry – Forest Reichel, Kevin Edwards, and Lisa Weddig.**

- a. Many ways to find success within the food industry.
- b. Values that define a good employee – allow employees to thrive as an individual and team member.
  - i. Passion.
  - ii. Integrity.
  - iii. Entrepreneurialism.
  - iv. Innovative spirit.
- c. In the food sector many different types of operations:
  - i. Food laboratory and research.
  - ii. Regulatory compliance and technical support.
  - iii. Audit/Training operations.
  - iv. Sustainability, economy, ethics, environment.
  - v. Management – TQM.
  - vi. Need to find out which of these suits you best as an employee.
- d. On the business side, leadership is looking for people who can move between operations roles and business roles.



- e. Transitions very important as the seafood industry is growing 5–10% per year.

## 5. DFSP Announcements and New Business – Dina Scott.

- a. Looking for new Vice Chair – seeking nominees.
- b. Webinars no longer need to be sponsored.
- c. IAFP connect.
  - i. Transitioning into using this medium to communicate with PDG members.
- d. Symposia.
  - i. Two for this year:
    - 1. Artificial Intelligence and Machine Learning.
    - 2. Precarious Balancing Act: Co-Managing Pre Harvest. Environments to Maximize Food Safety, Sustainability, and Economic Viability of Farm Operations.
- e. Ideas for future symposia (2020):
  - i. Potential Webinar: Ways to develop as a food safety professional for those not having a traditional food safety background/transitioning into the food safety industry from a different industry – Daniel Burnett and Matt Moore.
  - ii. Data driven quality management – insider insight from the industry – Sarah Murphy.
    - 1. How are data used in the industry in different sectors?
    - 2. How to efficiently use WGS within the industry.
    - 3. Dina Scott to help.
  - iii. Challenges for e-commerce in different types of economies – Sarah Murphy.
    - 1. Developing and developed economies.
    - 2. Dina Scott to help.
  - iv. Within quality realm, there is a high turnover rate. What should students expect when entering this field? – Kiana Williams.
    - 1. Expectations vs reality in the plant culture.
    - 2. Sarah Murphy said she would work with her.
  - vi. Potential workshop idea: Running through programming examples/lines of code and how this can be useful for food safety professionals – Matt Moore and Sarah Murphy.
  - vii. Potential roundtable idea: A day in the life of a food safety professional. Gather different types of food safety professionals (industry, government, academia) and give students an idea of the day to day responsibilities that they have. – Chase Golden.
    - 1. Will help give students tips of how to transition from being a graduate student into the working world.

- f. Candidates to replace Matt Moore as the PDG Vice Chair.
  - i. Volunteer position.
  - ii. Voting to be completed on Survey Monkey.
  - iii. Naim Montazeri volunteered himself for this position.

### Recommendations to the Executive Board:

1. A lower postdoc fee be considered for Membership and/or Annual Meeting registration to help alleviate financial pressures on postdocs.
2. Mentoring program specifically for the DFSP PDG similar to Student PDG to assist new members and new food safety professionals to adapt to the industry.
3. Consider providing scholarships for students or post-docs to go to pre-conference workshops.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 5:10 p.m.

**Chairperson:** Dina Scott.

### Food Chemical Hazards and Food Allergy PDG

**Attendees:** Paul Hanlon (Chair), Angela Anandappa (Vice Chair), Mohammad Alam, Keith Amoroso, Ata Al Baroudi, Richelle Beverly, Elise Binder, Suyeun Byun, Wanying Cao, Anne Carr, Liliana Casal-Wardle, Margolite Cesar, Hongda Chen, Pam Coleman, Linda Cox, Maeve Cushen, Charles Czuprynski, Michelle Danyluk, Ken Davenport, Carol D'lima, Melanie Downs, Brian Shawn Eblen, Abdul Azeez Ebrahim, Adam Esser, Xuetong Fan, Anthony Flood, Elise Forward, T.J. Fu, Alexandra Garcia, Xiaoxu Han, Yun-Yun, Diana Hao, Gayan Hettiarachchi, Leah Hohman, Xiaoping Huang, Ali Hurysz, Shyamali Jayasena, Rhoma Johnson, Don Jones, Abdel-Razak Kadry, Sally Klinec, Kathy Knutson, Brent Kobielush, Vanee Komolprasert, Brian Kraus, Loralyn Ledenbach, Laurel McGonegle, Maia McNair, Ann Nguyen, Quynh-Anh Nguyen, Rakhi Panda, Gerard Ruth, Dojin Ryu, Ron Sarver, Dan Schaffer, Shruthi Shankar, Girdhari Sharma, Tracie Sheehan, Weilin Shelver, Marianne Solomotis, Steve Taylor, Akhila Vasan, Ben Wagner, Kimberly Yeager, Ming Zeng, and Luyao Zhao.

**Number of Attendees:** 65.

**Meeting Called to Order:** 3:15 p.m., July 21, 2019.

- Anti-trust statement.
- Approval of minutes from 2018 PDG meeting.
  - Motion (Ken Davenport), Seconded (Charles Czuprynski).
  - Minutes were accepted as written.
- Introductions:
  - Angela Anandappa – Incoming PDG Chair.
  - Sally Klinec – Announced as the PDG Co-Chair Elect.
  - Overview of relevant sessions at the 2019 IAFP Annual Meeting.

- Brainstorming session for 2020 IAFP Annual Meeting sessions.
- Any other business – No issues raised.

### Brainstorming session for the 2020 IAFP Annual Meeting

The PDG followed this process when discussing ideas for the 2020 Annual Meeting:

1. The PDG chair introduced four topics that were discussed on a call prior to the PDG annual meeting:
  - a. CBD Oils – Legal status and hazard assessment.
  - b. Pesticides – Impacts of asynchronous approvals and different regulatory frameworks to supply chain management.
  - c. Beyond the big 8 – Overview of allergens that aren't currently part of the big 8, such as sesame and alpha-gal (the meat allergy that is caused by tick bites).
  - d. Potential increase in allergen diagnosis: plant-based proteins and meat alternatives.
2. Five general focus areas were then introduced that covered the mission of this PDG:
  - a. Allergens.
  - b. Chemical of the Day.
  - c. Chemical Hazard Control.
  - d. Risk Communication.
  - e. Regulatory Developments.
3. PDG members were given 15 minutes to identify subjects that were relevant to these four subject areas.
4. The chair and co-chair grouped the proposals within each focus area, and then the PDG discussed potential sessions associated with each area.

Following the discussion, the following topics were identified as potential topics for sessions:

- Lost in translation: A communications' journey from the lab to the evening news and the consumer.
- Who will win the race towards zero? Micro, chemical, allergens? Comparison of analytical challenges in each field of driving towards zero.
- Beyond the Big 8: Food industry trends that impact allergen management.
- Forecasting Hot Topics: Strategies that signal the occurrence of emerging threats.
- Vital 3.0 – what are the practical applications?
- CBD/Marijuana – How *high* are expectations around food safety?

### Recommendations to the Executive Board:

1. Confirmation of Angela Anandappa as the Incoming Chair of the FCHFA PDG, with her term beginning at the 2020 Annual Meeting.
2. Confirmation of Sally Klinec as the FCHFA PDG Vice Chair-Elect, with her term beginning at the 2020 Annual Meeting.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 5:15 p.m.

**Chairperson:** Paul Hanlon.

## Food Defense PDG

**Attendees:** Mark Kazmierczak (Vice Chair), Jehaina Al Ali, Sufian Al Khaldi, Khaled Al Marzooqi, Sultan Al Taher, Abdulaziz Alhajeri, Ahmed Almessabi, Shayma Altenaiji, Keith Amoroso, Cindy Anderson, Kimberly Anderson, Elizabeth Address, Sadiye Aras, Angela Aucoin, Karleigh Bacon, Shaheen Banabeela, Arlene Barrantes Romero, Colin Barthel, Patricia Baxter, Richelle Beverly, Chris Boyles, Bob Brackett, Pardeepinder Brar, Patrick Brown, Laura Bunyan, Daniel Burnett, David Calvin, Anne Carr, Anika Chowdhury, Shahidullah Chowdhury, Neil Coole, Maeve Cushen, Gregory Danzeisen, Kathryn Davis, Elizabeth Demmings, Jeanne Duckett, Alejandro Echeverry, Bertrand Emond, Tom England, Ellen Evans, Karen Everstine, Xuetong Fan, Khashayar Farrokhzad, Hadda Faye, Neal Fredrickson, Tim Gillam, Tia Glave, Peggy Good, Jiewen Guan, Fabiana Guglielmo, Dennis Harp, Alice Hayford, Craig Henry, Deborah Henry, Paula Herald, Edwin Hernandez, Caitlin Hickey, Brynn Husk, Dwayne Irvin, Amanda Jones, Hetal Joshi, Md Niamul Kabir, Michael Kalish, Shaun Kennedy, Charles Kennett, Nicole Keresztes-James, Kathy Knutson, Jeffrey Kornacki, Nicolas Kosa, Mahipal Kunduru, William Lachowsky, Joanne Lim, Xiyang Liu, Anna Mackay, Yvonne Masters, Ryan Maus, Samantha McCormick, Deborah McIntyre, David Melka, Joanna Meyer, Amie Minor, Paul Mitchell, Katie Moore, John Mwangi, Neda Naseri, Ryan Newkirk, Roza Nguyen, James O'Donnell, Adeniyi Odugbemi, Leonard Ogomo, Yemi Ogunrinola, Chujun Ou, Don Pagh, Audrey Patterson, Michael Peralta, Ruth Petran, Chad Pidgeon, Gale Prince, Terry Pruden, Xiaojie Qin, Irwin Quintela, David Rasmussen, Amy Rhodes, Derek Richey, Brendan Ring, Michael Roberson, Robert Roe, Chris Rupert, Ma. Rocelle Saldua, Yasser Sanad, John Saniga, Donna Schaffner, Maria Scott, Chuck Seaman, Xianming Shi, Guy Skinner, Barbara Smith, Michael Springer, Charles Staff, Nicholas Tan, Brad Taylor, Arleen Tibayan, Heidi Tremblay, Jennifer Van De Ligt, Daniel Vassar, Ed Verosko, Jason Wan, William Weichelt, Kiyonna Williams, Charon Willis, Niradha Withana Gamage, Jingxian Yang, Veerachandra Yemmireddy, Ken Yoshitomi, Robyn Zaches, Ming Zeng, Chee Zheng, and Wen Zou.

**Number of Attendees:** 138.

**Meeting Called to Order:** 10:15 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Neal Fredrickson.

### Call to Order:

1. Chair Oscar Rodriguez-Gonzalez was not in attendance; Vice Chair Mark Kazmierczak convened the meeting.
2. Review/approve agenda – Agenda approved.
3. Anti-trust guidelines – Vice Chair reviewed anti-trust guidelines.
4. Introductions – members present introduced themselves.

- Mission statement – Vice Chair reviewed the mission statement: To Provide a Forum to Discuss Issues of Interest Pertaining to Food Defense. There were no comments from the audience.

#### Old Business:

1. Review previous year's meeting minutes – Vice Chair reviewed minutes; PDG approved.
2. Board responses to recommendations – Vice Chair reviewed Board responses to last year's recommendations:
  - a. The PDG recommends the Executive Board approve the selection of Mark Kazmierczak as PDG vice chair. Board Approves.
  - b. The PDG recommends the Food Defense Conference hosted by FPGI be held in conjunction with the 2019 IAFP Annual Meeting. Board Approves (The FDC was cancelled due to low registration).

#### New Business:

1. Announcements – Vice Chair made the following announcements:
  - a. WEBINARS NO LONGER NEED SPONSORSHIP due to the IAFP Foundation supporting the expense.
    - Encourage PDGs to make use of webinars for symposia that were not able to be on the Annual Meeting program.
    - Membership is required to view the recorded webinars.
    - If members have an idea for a webinar, reach out to Chair and Vice Chair.
  - b. Please make use of IAFP CONNECT for PDG communications. IAFP Connect is being used to increase communication throughout the year. The Vice Chair will use IAFP Connect to put more information out through the Food Defense PDG community in IAFP Connect. IAFP Connect will be a good way to discuss symposium ideas rather than email. Use your IAFP login – membership required, PDG Connect community membership is automatically updated.
  - c. OFFICIALLY JOIN THE PDG by editing Member Profile on IAFP website.
2. This year's IAFP sessions (1):
 

5647 (S20), International Food Defense Preparation for FSMA and Beyond, Short Symposium.  
 Primary Sponsor: Food Defense PDG, Monday, July 22, 2019, 1:30 p.m.–3:00 p.m., Rm. M105.  
 Convenor: Neal Fredrickson, Cargill.  
 Speakers: Amy Kircher, Food Protection and Defense Institute, Ryan Newkirk, FDA, and Karleigh Bacon, Kraft Heinz Company.

3. Vice Chair Election
  - a. Election process and timeline – Chair and Vice Chair terms end at IAFP 2020. Vice Chair will become the chair. There will be an election for the Vice Chair in Spring 2020 online via Survey Monkey on IAFP Connect.
  - b. Introduction of candidates – Neal Fredrickson, Cargill introduced himself and nominated himself for the Vice Chair position. No other candidates were nominated at this time. Nominations will remain open.
4. Presentations
  - a. Samantha McCormick, Watch Commander, FDA Division of Food Defense Targeting – Introduction to FDA Division of Food Defense Targeting.
  - b. Colin Barthel, FDA Food Defense and Emergency Coordination Staff – Mitigation Strategies to Protect Food Against Intentional Adulteration: Implementation Update.
5. IAFP 2020 Symposia.
  - a. Submissions Due Oct. 1.
  - b. Last year's submissions (not accepted):
    1. (5475) Recent Developments in Food Natural Antimicrobials – Short Symposium Food Defense PDG – Pre Harvest Food Safety PDG.
    2. (5689) Food on the Go, What Could Go Wrong? The Food Safety and Food Defense Implications of Outdoor Foodservice – Roundtable – Retail and Foodservice PDG – Food Defense PDG.
    3. (5708) Catch Them If You Can: Current and Potential Uses of Next Generation Sequencing Approaches to Improve Food Safety throughout the Supply Chain and Track Food Fraud – Short Symposium – Student PDG – Food Defense PDG.
    4. (5475) Recent Developments in Food Natural Antimicrobials – Short Symposium – Sponsor: Food Defense PDG and Co-Sponsor: Pre Harvest Food Safety PDG.
    5. (5689) Food on the Go, What Could Go Wrong? The Food Safety and Food Defense Implications of Outdoor Foodservice – Roundtable – Sponsor: Retail and Foodservice PDG and Co-Sponsor: Food Defense PDG.
    6. (5708) Catch Them If You Can: Current and Potential Uses of Next Generation Sequencing Approaches to Improve Food Safety throughout the Supply Chain and Track Food Fraud – Short Symposium – Sponsor: Student PDG and Co-Sponsor: Food Defense PDG.
  - c. Discussion – Members broke out into groups to discuss, followed by report out to entire PDG and further discussion. Symposium topic suggestions:

1. How to teach/communicate facility leaders on food defense plan/creating a food defense culture. Including: selling culture to smaller/midsize producers; supply chain.
2. Dual USDA-FDA regulated facilities: creating an avenue between agencies.
3. Best practices for risk assessments.
4. Risk assessment in a global context – beyond your facility including: Understanding global issues, international standards, agencies; Importing – ingredients vs. semi-finished vs. finished – resources available.
5. Training/certification for third party auditors.
6. Food defense plans – Bringing together GFSI and the IA Rule. Including: How to incorporate food contact packaging (Packaging PDG); Evaluating risk associated with suppliers; Resources (e.g., horizon scanners).
7. Establishing core principles in criminology. Including: How to conduct an investigation (FDA Office of Criminal Investigation); Recent incidents; FDA training of law enforcement; Issues with cleaning and interference with investigations; Root cause analysis.

**Recommendations to the Executive Board:** None.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 12:18 p.m.

**Chairperson:** Mark Kazmierczak (Vice Chair).

### Food Fraud PDG

**Attendees:** Karen Everstine (Chair), Cindy Anderson, Martin Appelt, Angela Aucoin, Peter Ben Embarek, Zeb Blanton, Neil Bogart, Samantha Bradley, Camille Brewer, Ellise Canty, Komita Carrington, Scott Coates, Nicola Colombo, Angel Conde, Kelden Cook, Kim Daniels, Kris De Smet, Vincent Dinicolas, Marie Dionne, Kevin Edwards, Joell Eifert, Hadda Faye, Lacey Fletcher, James Ford, Elise Forward, Neal Fredrickson, Alphie French, Alexandra Friloux, Mario Gadanho, Ted Gatesy, Brian Giannini, Peggy Good, Susan Gregro, Eleanor Hanson, Jill Hoffman, Dave Horowitz, Xiaoping Huang, Daizy Hwang, Matt Igo, Dwayne Irvin, David Isphording, Ben Jackson, Liesbeth Jacxsens, Ian Jenson, Hetal Joshi, Michael Kalish, Bernice Karlton Senaye, Gene Marie Kennedy, Shaun Kennedy, Ramin Khaksar, Donghyun Kim, Vanee Komolprasert, Naeun Kwon, Holly Leung, Maria Ma, Anna Mackay, Deon Mahoney, Amanda Manolis, Christine McIntosh, Jesse Miller, Nathan Miller, Sara Mortimore, Yemi Ogunrinola, Palmer Orlandi, Illya Ostrenko, Renee Perry, Ruth Petran, Chad Pidgeon, Sophie Pierre, Gale Prince, Myra Rademacher, Sarita Raengpradub Wheeler, Alyxandra Reed, Amy Rhodes, Isaac Rukundo, Aurora Saulo, Kantha Shelke, Steven Sklare, Caroline Smith Dewaal, Thomas Spengler, Suzette Stalker, Sally Streeter, Carmen Tartera, Arleen Tibayan, Angela Tuxhorn, Akhila Vasan, Erin Wade, Rowen Wallar, Xue (Caroline) Wang, Terri Wenger, Charon Willis, and Luyao Zhao.

**Number of Attendees:** 92.

**Meeting Called to Order:** 3:15 p.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Matt Igo.

1. Welcome remarks (Neil Bogart, outgoing Chair).
  - a. Neil mentioned the selection of Karen Everstine and Clare Menezes to Chair/Vice Chair.
  - b. Neil mentioned the successful food fraud webinar series and the approval of funding for future webinars by the IAFP Foundation.
2. PDG members introduced themselves.
3. Recording secretary was appointed (Matt Igo, Student Liaison).
4. Anti-trust guidelines were reviewed and announcements from the IAFP Executive Board were read. Karen encouraged use of the new IAFP Connect system for PDG communications. She also mentioned that Clare Menezes was not able to attend the PDG meeting in person this year, but is looking forward to working with the group and attending next year.

#### **Old Business:**

1. The previous year's minutes were displayed on the projector and approved (Elise Forward motioned and Michael Kalish seconded the motion).
2. Mission statement was approved without edits.
3. The prior year Board recommendation was reviewed: "We ask the Board to review and approve the Food Fraud PDG student scholarship program we have developed." Neil mentioned that the amount of the scholarship should be reduced and a new proposal submitted for approval. The scholarship may be used to fund student travel to present their research at a future IAFP Annual Meeting. Other members suggested that we would need to find funding for a scholarship and companies may be interested in having naming rights involved. Members agreed to further discuss this issue on a future PDG call.

#### **New Business:**

1. The agenda was approved (Caroline Smith DeWaal motioned, Shaun Kennedy seconded).
2. Details about the webinar series were presented for discussion. Attendance of the series was good (150–300 attendees per webinar). Neil suggested that, in the future, the PDG may want to consider hosting no more than three webinars per year.
3. 2019 food fraud-related posters and symposia were reviewed; 2 posters and 1 technical session were on the schedule for this year; all were related to analytical methods for authentication of foods.
4. 2020 symposia/roundtable ideas were discussed. The outgoing chair received one proposal suggestion ("Thoughts to 'auditor awareness' as it relates to food fraud 'expectations' vs. 'operational reality' of what industry is doing to decrease/minimize/control risk of an act of food fraud from occurring?") Karen men-

tioned that she attended the Food Safety Assessment, Audit and Inspection PDG meeting earlier in the day and suggested this topic to them as a possible area of collaboration for either a symposium proposal or a webinar. Other issues discussed included whether proposals should be submitted to PDG before approval when sponsorship is involved as well as perceived difficulties in collaboration with other PDGs (how can we improve this system of collaboration?) PDG members asked if non-accepted proposals could be re-submitted (with feedback) and also asked for further clarification of the differences between the Food Fraud and Food Defense PDGs. One member indicated that, in the past, the Food Defense PDG included a discussion of food fraud, but the decision was made to separate the topics into two PDGs. The group tabled the discussion of specific symposia proposals to prioritize a prioritization of the general topics the PDG would like to take on over the next year.

5. Members prioritized areas of focus for the PDG over the next year. A list of interest areas was created based on brainstorming from last year and new PDG member suggestions. Members then voted for the four areas they thought were the most important to address. The top four areas identified through this process were:
  - a. Regulatory and other requirements and interpretation.
  - b. Risk mitigation.
  - c. Vulnerability assessment.
  - d. Evolution of analytical methods.
6. Attendees then divided into groups to further discuss and expand on related topics to each of the four focus areas, as well as whether they may be best addressed by a symposium/roundtable proposal, webinar series, white paper, or *FPT* submission. This process was documented on paper and each group presented a brief synopsis to the entire group. Karen and Clare will review and summarize information from this prioritization session and distribute to PDG members after the conference.
7. Matt presented an update from the Student PDG and encouraged participation in the Student Mentoring Program.

#### **Recommendations to the Executive Board:**

1. The Food Fraud PDG recommends the Executive Board approve the selection of Karen Everstine and Clare Menezes as Chair and Vice Chair, respectively.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio. The Chair and Vice Chair will follow up with PDG members to schedule a conference call to follow up from this meeting.

**Meeting Adjourned:** 5:10 p.m.

**Chairperson:** Karen Everstine.

## **Food Hygiene and Sanitation PDG Meeting**

**Attendees:** Nadia Narine (Chair), Evan Rosen (Vice Chair), Sultan Al Taher, Keith Amoroso, Angela Anandappa, Jeff Anderson, Elizabeth Bach, Daniel Bair, Charles Bashiru Bakin, Mikio Bakke, Kara Baldus, Arlene Barrantes Romero, Richelle Beverly, Rachael Blevins, David Blomquist, Pardeepinder Brar, Patrick Brown, Laura Bunyan, Scott Burnett, Melissa Calicchia, Carmen Cantú, Elaine Chiu, Frederick Cook, Roger Cook, Alison Cousins, Vanessa Cranford, Sally Crowley, Ken Davenport, Kathryn Davis, Mark Davis, Elizabeth Demmings, Tom England, John Fam, Hadda Faye, Glen Feller, Chris Fisher, Sid Fuller, Heather Garcia, Mike Garrison, Vinayak Ghate, Tia Glave, Peggy Good, Duane Grassmann, Leena Griffith, Dale Grinstead, Joshua Gurtler, Hillary Hagan, Steve Hails, Xiaoxu Han, Alex Hanley, Margaret Hardin, Edwin Hernandez, Taryn Horr, William Huntley, Abdoulie Jallow, Chris Jordan, Alexander Josowitz, Michael Kalish, Lee Katz, Amit Kheradia, Kathy Knutson, Lori Kora, Jeffrey Kornacki, Shira Kramer, Mark Kreul, Michele Kubista, John Larkin, Joanne Lim, David Limbaugh, Kevin Lorcheim, Yuqian Lou, Jim Marks, Yvonne Masters, Rachel McEgan, John Merenick, Michael Michel, Nathan Mirdamadi, Paul Mitchell, Marcia Murphy, Aaron Patch, Xiaoyan Pei, Eric Perez, Ruth Petran, Chuck Pettigrew, Brian Poon, Mingyu Qiao, David Rasmussen, Robert Roe, Edwin Roman Rivera, Robert Sakata, Ma. Rocelle Saldua, Allen Saylor, Michele Sayles, Dina Scott, Chuck Seaman, Mandy Sedlak, Alec Senese, Arlette Shazer, Tracie Sheehan, David Shelep, Ryan Simmons, Thierry Sofia, Ben Somerton, Naveen Kumar Srinivasa Murthy, Erika Stampoulos, Anna Starobin, Kelly Stevens, Rick Stokes, Katie Swanson, Ken Takano, Vince Tallaje, Natsumi Tanaka, Todd Taylor, Heidi Tremblay, Corey Troutman, Purnendu Vasavada, Daniel Vassar, Peien Wang, Kasey Ward, Curtis Weller, Joyce Wert, Jim Wilson, Anett Winkler, Paul Winniczuk, Kimberly Yeager, Ming Zeng, Luyao Zhao, and Kang Zhou.

**Number of Attendees:** 128.

**Meeting Called to Order:** 8:00 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Vice Chair: Evan Rosen and Secretary: Nathan Mirdamadi.

**Old Business:** Discussion/Adoption of the IAFP 2018 PDG Meeting Minutes and June 2019 Call Minutes. We did not have any webinars this year. We spent the fall planning submissions for the annual meeting.

#### **PDG 2019 Program: Topics Developed through the PDG:**

- a. Session # 5595 Symposia: Novel and Emerging Technologies for Improving Sanitation (Jeff Kornacki, Shira Kramer, Dale Grinstead, Yale Lary, and Richard Brouillette) Wednesday, July 24 at 10:45–12:15 p.m.
- b. Session # 5852 Symposia: Biofilm and Low Water Activity Foods as It Relates to Cleaning (Michele Sayles, Shira Kramer, Dale Grinstead) Wednesday, July 24 at 1:30–3:30 p.m.

- c. Session # 5895 Roundtable: Supply Chain Verification of a Sanitation Program (Else Forward, Angela Anandappa, Vanessa Cranford) Tuesday, July 23 at 8:30–10:00 a.m.
- d. Session #5845 Symposia: Tracking FSMA Quantitative and Qualitative Impacts on the Food Industry Under Full FDA Enforcement – Stats, Trends, Challenges and Lessons Learned (Purnendu Vasavada) Monday, July 22 at 8:30–12:12 p.m.

**PDG Co-supported Proposals: Program Committee Accepted for IAFP 2019:**

- a. Submitting Committee – Committee on Control of Foodborne Illness.  
Session # 5537 Symposia: Updates to the Conference of Food Protection and the Food Code (Ewen Todd, Judy Greig) Tuesday, July 23 at 1:30–3:30 p.m.
- b. Submitting PDG: Low-water Activity PDG.  
Symposia #5650: “Challenges of Sanitation in Dry Processing Environments: What are the Evolving Methods?”: (Aparna Tatavarthy, Susanne Keller, Elizabeth Grasso-Kelley). Tuesday July 23 8:30–10:00 a.m.
- c. Submitting PDG: Fruit and Vegetable PDG.  
Symposia #5559: *Listeria monocytogenes* and the Produce Industry: Best Practices for Sanitary Design Control and Monitoring: Lead: (Robert Donofrio). Wednesday, July 22 at 10:45 a.m.–12:15 p.m.

**New Business:**

Opening remarks and farewell by Vanessa Cranford. Antitrust Guidelines read by Vanessa Cranford. A motion made by Dale Grinstead and seconded by Mark Davis to accept last year’s minutes was approved. Nadia Narine thanked Outgoing Chair Vanessa Cranford for her hard work over the last 4 years and leadership of the PDG.

**Presentations (15 min.):**

- a. Amit Kheradia on the topic ‘Use of Color Coding Tools with Hygienic Design.’
- b. Rick Stokes on the topic ‘Overview of Managing a Sanitation Program.’
- c. Nathan Mirdamadi on the topic ‘Partnership of OEM, Processors, and Equipment Design.’

**Symposium/Workshop/Roundtable Ideas for 2020:**

- 1. Symposia: Founders of Food Safety (Jeff K. – more of general interest topic, historical time line, selected contributions to food hygiene – Co-Sponsorship with Education PDG, and Student PDG, family tree concept. Where have we come from and where are we today? Academic lineages, tracing individual contributions, Dale).
- 2. Symposia Title/Topic: How Do You Validate the Cleaning of a Piece of Equipment? What are the steps that need to be performed? How can you design a validation program? Typically, validation is not always required. Lots of things are “assumed” to work. Boot

washers, CIP, manual cleaning, how do you validate? Air – We use the filters but are they validated for effectiveness. Allergens, removal of soil. Cleaning and Sanitation Pitfalls – Maybe verification or qualifying? Routine vs. Specialized Events. Different categories – How does it apply to retail? Validating Chemicals and Process – what type of validation do I have in mind when I say validation, determined that ultimately the core team to review and determine if 2 topics are needed or they can be combined? (Jeff K. Co-Sponsorship with 3A Sanitary Design. Working Group: Dave Blomquist, Dale Grinstead (dale.grinstead@diversey.com), Mark Davis (mark.r.davis@pepsico.com), Alex Hannley, Duane Grassmann, Mark Davis – Can Manual Cleaning be Validated? Too Many Variables, Tom England, Michelle Sales Alan Sayers, Joane, Kelly Stevens/Karl Thorson, Amit Kheradia (akheradia@remcoproducts.com), Anett Winkler (anett\_winkler@cargill.com), Katherine Clark (clark.katherine@gmail.com), Kimberly Yeager (Kimberly.yeager@abbott.com).

- 3. Symposia Title: OSHA and Sanitation – How Can You Effectively Design a Sanitation Program That Also Factors Employee Safety and Chemical Safety? (Yale Larry. Co-sponsor with Hygienic design). The PPE needed, exposure duration, removal of fats and soluble proteins and addressing bloodborne pathogens. How machine guarding can conflict with sanitary design. (Working Group: David Limbaugh david.limbaugh@diversey.com, Paul Mitchell, Hillary Hagan (Hillary.hagan@tyson.com), John Merenick, Nathan M.).
- 4. Symposia: How to Use Data to Drive Sanitation Program Changes?: Using sanitation microbiology data to resolve sanitation issues. Beyond micro data to include all data (Rick Stokes Paul Mitchel to volunteer Kara Baldus kara.baldus@hydrite.com, Ken Davenport, Jeff Kornacki, Alex Hannley, Duane Grassmann, Melissa Calicchia (melissa@foodmicrolabs.com), Robert Rhode, Anette Winkler (anett\_winkler@cargill), Kara Baldus (kara.baldus@hydrite.com).
- 5. Symposia: Biofilm Topic in as a General Category for Discussion. Re-cap the 2019 session and determine a continuation on the biofilm topic: Lots of biofilm discussion, getting people up to speed due to lots of quick activity, must stay current. Ruth Petran, Dale Grinstead: include regulatory/EPA, as there is a barrier that focuses on healthcare, so EPA is key to get in on food. Tom England: surface finishes, Shiela Kramer, include updates on issues and threats of biofilms in various food sectors. Dave Blum, cleaning biofilms, Angela Anadapa, Sailaja Chandrapadi (schandrapati@mmm.com), Kara Baldus (kara.baldus@hydrite.com), Shira Kramer (shira.kramer@sterilex.com), Mingyu Qiao (mq76@cornell.edu), Amit Kheradia (akheradia@remcoproducts.com), Debra Smith (dsmith@vikan.com), Rick Stokes).

6. Symposia: Titration, Allergen Test Kits, Sanitation Quantitative Tools for Components of Sanitation Verification. (Vanessa Cranford. Working Group: Rick Stokes (rick.stokes@ecolab.com), Kimberly Yeager (Kimberly.yeager@abbott.com), Ken Davenport, proposed to potentially include in the Verification topic).
  7. Symposia/Workshop: Cleaning up after Special Situations (crisis management, vomitus, bloodborne pathogens, and a Hep. A employee diagnosis): How Do You Proactively Create a Program That Will Handle These? Unusual soils, but people would use regular cleaning materials without considering special chemical situations to go along with this. Adverse events SOP missing these situations, product disposition, a couple of years ago, crisis remediation was proposed, workshop/roundtable, cleaning up after a crisis, decide if its own workshop or part of this one. Crisis models/practices, co-sponsor with Education and with Retail. U.S. Food Code doesn't fully address this, just some language in annex about norovirus. Expand definition of special situations, e.g., wildfires, flooding, tornadoes, etc. (Vanessa Cranford, Katharine Clark (clark.katharine@gmail.com), Alex Hanley, Jeff K. Dale, Anna Stowley: Kelly Stevens, Kim Jaeger).
  8. Symposia/Roundtable: People Who Use the Equipment and Get Compliance Often Missed. Topic on compliance, how to get and measure it, how to find out what people are doing, what is considered good? What's the cleaning process going on?: People who use the equipment and get compliance often missed. Topic on compliance, how to get and measure it, how to find out what people are doing, what is considered good? What's the cleaning process going on? Disconnect between employees and management team. (Dale: Co-Sponsorship with Education or FS Culture PDG. Michelle Sayles: A Documentation struggle, audit inconsistency, how does it all tie together? Elizabeth Dunning: Chris Jornings).
  9. Roundtable: Focus on People, Achieving Compliance and Measurement: (Dale Grinstead (dale.grinstead@diverse.com) Co-Sponsor Food Safety Culture).
    - a. Mechille Sales (Elizabeth emt32@cornell.edu).
    - b. Chris Jordan (chris.jordan@diverse.com).
  10. Symposia: New Advancements in Managing MSS – Effective documentation  
(Chris Jordan (chris.jordan@diverse.com), Nathan Mirdamadi (Nathan.mirdamadi@cf-san.com)).
  11. Symposia: Monitoring and Working with 3rd Party Sanitation: Terran Horr, Michelle Sales – Working with Millennials – New Tech and Different Ages, Ken Davenport – identifying EMP to recognize, Jeff Kornacki–idea of preventative maintenance.
  12. Roundtable: Economics of Sanitation, Limitations of Management, Budget: Allen Saylor: How do you find other opportunities for sanitation to drive value. How do we clean better to run longer? Alex Hanley: Cost of not doing this? Cost of Poor Sanitation used for justification. Melissa Calicchia, Katharine Clark (clark.katharine@gmail.com), Nathan (Nathan.mirdamadi@cf-san.com), Paul Mitchell (Mitchell@kerry.com).
  13. Symposia: Farm-to-Fork Food Safety: Lead Dina Scott: From foodservice retail point of view, special event cleaning. Verifying cleaning and sanitation methods, including transportation. Significant enough for own topic, supply chain talk. Working group: Michelle Sayers, David Limbaugh (david.limbaugh@diverse.com) for farm to fork. Verification on transportation. How do you align incentives from a food safety perspective? Alex Josowitz, Co-sponsor with Pre Harvest – Sterlix – Microbial Controls, how can we control loads coming into our facility Enhance FS, Decreasing Sal loads, better hygiene practices, Ken Davenport – consider transportation, Melissa Sales.
  14. Symposia: Increase Profits by Decreasing Cost – How Does C&S, PM Add to the Bottom Line? Price of nonconformance: (Jeff Kornacki, Joanne Limb (joanne.e.limb@pepsico.com), Melissa Calicchia (melissa@foodmicrolabs.com), Paul Mitchell (paul.mitchell@kerry.com)).
  15. Workshop: A 2-day Advanced Hygienic Design and Sanitation: (Richard Brouillette, Nathan Mirdamadi, Rick Stokes, Deb Smith, Vanessa Cranford).
  16. Symposia: War on Water! Risk Reduction in Low-moisture Food Manufacturing Environments: (Debra Smith (dsmith@vikan.com), Amit Kheradia (akheradia@remcoproducts.com)).
  17. Symposia: Keep It Dry and Carry On! Avoiding Water in a Low-moisture Processing Environment: (John Donaghy, Corporate Food Safety Microbiologist/ Quality Management, Nestle, Switzerland).
  18. Symposia: War on Water! Environmental Hygiene Control through Controlled Water Use and Optimized Dry and Low-moisture Cleaning (Debra Smith, Global Hygiene Specialist, Vikan, Denmark).
  19. Symposium: Allergen Control – From Problem to Solution. (Debra Smith (dsmith@vikan.com), Amit Kheradia (akheradia@remcoproducts.com)). The topic should have the following presentations with input from industry and key advocacy groups:
    - *The Problem – Allergens as a Food Safety Hazard.*
    - *The Solution Part 1: Hygienic Design to Minimize Allergen Risk.*
    - *The Solution Part 2: Effective Strategies for Minimizing Allergen Cross-contamination.*
  20. Symposium: How Do GFSI Audit Criteria for Sanitation, Hygiene and Environmental Sampling Compare to FSMA Requirements? (Debra Smith (dsmith@vikan.com), Amit Kheradia (akheradia@remcoproducts.com)).
- Other Business:** Webinars do not need sponsorship. Those topics not accepted for symposia can be webinars. IAFP Connect, not many using it yet. Great tool encouraged to use to communicate.
- Recommendations to the Executive Board:**
1. Recommendation to Board for Nathan Mirdamadi to move into Secretary position as Evan Rosen is now Vice Chair.

2. Is it possible to have our PDG meeting at a later time rather than 8 a.m.?
3. Many PDGs that are of general interest are running simultaneously for example: Sanitation/Hygiene, HACCP, FS Assessment PDGs, were all at 8 a.m. today. This creates challenges with attendance. To reduce conflicts when scheduling, can we look at the PDG rosters and see which PDGS have similar members based on involvement and not have those at the same time?

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio. A conference call is set for August 22, 2019 at 11:00 a.m. EST.

**Meeting Adjourned:** 9:55 a.m.

**Chairperson:** Nadia Narine.

### **Food Law Professional Development Group**

**Attendees:** Rosie Newsome (Chairperson), Melanie Abley, Basel Al Jaber, Khaled Al Marzooqi, Salman Aldosari, Abdulaziz Alhajer, John Allan, Abdullah Almulhim, Abdulaziz Alzimami, Abdur Amin, Shaheen Banabeela, Avery Becker, April Bishop, Tye Blazey, Laura Bunyan, Marion Castle, Emily Chuang, Carl Custer, Ahmed Dawadh, Nicola Dermer, Jeanne Duckett, Alejandro Echeverry, Elise Forward, Peggy Good, Sanjay Gummalla, Julie Haendiges, Sophia Harand, Paula Herald, Leslie Hintz, Richard Huang, Jennifer Hughes, Sarah Jones, Pete Kennedy, Kathy Knutson, Mark Kreul, Naeun Kwon, Glenda Lewis, Girvin Liggans, Susan Linn, Pushpinder Litt, Tatiana Lorca, Timothy Lytton, Leslie Macioce, Brittany Magdovitz, Deon Mahoney, Barb Masters, Carine Nkemngong, George-John Nychas, James O'Donnell, Leonard Ogomo, Natalia Owens, Audrey Patterson, Brian Perry, Ruth Petran, Alejandra Ramirez, Tanya Roberts, Jenny Scott, Kristen Scott, Maria Scott, Kantha Shelke, Naveen Kumar Srinivasa Murthy, Eric Stevens, Katie Swanson, Gloria Swick-Brown, Arleen Tibayan, Corey Troutman, Daniel Vassar, Maxwell Voorn, Myriam Watts, and Lisa Weddig.

**Number of Attendees:** 70.

**Meeting Called to Order:** 3:15 p.m. Sunday, July 21, 2019.

**Minutes Recording Secretary:** Brittany Magdovitz, Student PDG Liaison.

**Minutes Preparer:** Rosie Newsome, Food Law PDG Chair.

**Ice Breaker, Introductions:** Rosie Newsome welcomed participants and called the meeting to order. Participants then introduced themselves and several mentioned a fun food science or food law fact.

**Agenda Approval:** The agenda was approved by visual affirmation as shown on-screen following the call to order.

**Review of Antitrust Guidelines:** The guidelines were shown on screen and addressed verbally.

**2019 Sessions:** Two of the 2019 IAFP sessions were noted as having Food Law PDG representation. These are: "Is Cultured Meat *Really* Meat?", scheduled for Monday, July 22, 1:30 p.m., and "The Use of Rapid Microbial Methods by Government Agencies for 'Official' Testing, Tuesday, July 23, 8:30 a.m.

**Updates:** Liaisons to the PDG were identified/recognized – Ruth Petran, Executive Board; Didi Loynachan, staff; and Brittany Magdovitz, Student PDG. IAFP Announcements for Committees and PDGs were shared, which were: (1) The IAFP Executive Board welcomes you to Louisville and IAFP 2019. We hope you enjoy the conference. Let us know if you need assistance or you can stop at the IAFP registration desk. (2) Webinars no longer need sponsorship due to the IAFP Foundation supporting the expense. We encourage PDGs to make use of webinars for symposia that were not able to be on the Annual Meeting program. Membership is required to view the recorded webinars. (3) Please make use of IAFP Connect for your PDG or Committee communications. You may also pose questions for colleagues to answer, post documents to share and discuss submissions for next year's Annual Meeting. (4) Use your Committee or PDG Liaison to assist you with questions for the Board or items for the staff.

**Old Business:** No old business was raised for reconsideration. A motion was made, seconded, and carried to approve the minutes of the 2018 meeting of the Food Law PDG as previously distributed.

**Chair/Vice Chair Updates:** The PDG Vice Chair election resulted in Eric Wolf, Preferred Freezer Services, being elected. James Cook, SGS, SA, was thanked for being one of the two candidates.

**New Business:**

*Recommendations for Executive Board:* Approval of Eric Wolf, Assistant Director HSE – Food Safety and Quality, Preferred Freezer Services, as Food Law PDG Vice Chair, term beginning in 2019.

*Food Law Strategic Planning Discussion:* Brittany Magdovitz reviewed highlights of the strategic planning survey. Rosie Newsome noted that the survey results could be posted to IAFP Connect for further review and consideration, such as for planning future PDG activities.

Participants then shared thoughts for focus of possible future activities. This took place among the entire group of participants and briefly in small breakout groups. Topic ideas voiced included:

- Challenges of multinational companies operating in countries that do not have the same high-level regulatory structure as more well-developed countries.
- The Codex process, its science basis, other legitimate factors, food safety discussion topics in the Codex committees on Food Hygiene, Residues of Veterinary Drugs in Foods, and Contaminants in Foods; via webinar.
- Better science for lawyers.
- Explanation of food law for IAFP Members.



- Different industry perspectives among companies operating in different countries and experiences with different regulations (e.g., with the Canadian Food Inspection Agency, U.S. regulatory agencies).
- The dos and don'ts for expert witnesses when deposed.
- Information, for students for example, on how to approach a regulator, and how to be an expert witness; via webinar.
- Policy surveillance, domestic and international.
- Preparation of companies to be able to effectively respond to FDA and USDA inspections.
- Information on the laws and regulatory structures of different countries, and how they respond to food-borne illness outbreaks; collaborate with the International Food Protection Issues PDG.
- Educational information or training for students regarding understanding and effectively fulfilling the responsibilities of their first jobs, such as in QA/QC positions (e.g., "I just got a job, what do I do next"); collaborate with the Student PDG.

It was also mentioned that more attorneys who are schooled in food law are needed. The next steps are to consider these ideas further, with discussion and collaboration on 2020 session proposals and other activities via IAFP Connect encouraged.

**2020 Sessions:** Proposal deadlines are October 1, 2019 for symposia and roundtables, and January 2020 for posters and technical sessions.

**Presentation:** Timothy Lytton, J.D., affiliated with the Center for Law Health and Society at Georgia State University, gave a presentation entitled "Food Safety Law in Action: Government Regulation, Industry Supply Chain Management, and Civil Liability" and subsequently responded to a number of questions.

#### **Recommendation to the Executive Board:**

1. Approve Eric Wolf as Vice Chair of the PDG.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 5:00 p.m.

**Chairperson:** Rosie Newsome.

### **Food Packaging PDG**

**Names of Attendees:** Kimberly Yeager (Vice Chair), Angela Anandappa, Saif Arabi, Angela Aucoin, Shaheen Banabeela, Richelle Beverly, Manreet Bhullar, Kay Cooksey, Maeve Cushen, Charles Czuprynski, Hossein Daryaei, Brian Shawn Eblen, Tom England, Hadda Faye, Anthony Flood, Alphie French, Cherie Gudz, Paul Hanlon, Eleanor Hanson, Runze Huang, Tony Jin, Bernice Karlton Senaye, Donghyun Kim, Kali Kniel, Vanee Komolprasert, Wan Mei Leong, Briana Lorenzo, Maria Ma, Anna Mackay, Jeff Mitchell, Ana Monge Brenes, Katie Murchison, Roza Nguyen, Yemi Ogunrinola, Bosoon Park, Kyung Min Park, Chuck Pettigrew, Mingyu Qiao, Aishwarya Rao, Jerry Reeves, Ana Romero, Juming Tang, Helen Taylor, Theresa Thompson, Valentina Trinetta, Angela Tuxhorn, Cheng Zhang, and Bingzhuo Zhao.

**Number of Attendees:** 48.

**Meeting Called to Order:** 1:00 p.m., July 21, 2019.

**Minutes Recording Secretary:** Ken Davenport.

### **Anti-trust Statements and Committee and PDG Announcements**

#### **Old Business:**

- a. Minutes from the last meeting held on July 8, 2018 are available at <https://www.foodprotection.org/upl/downloads/committee-pdg/minutes/5bc4adffa-1628043932d5.pdf>.
  - i. Minutes accepted by consensus vote.
- b. IAFP Members can directly update their PDG affiliations. Log into the IAFP Web site; on the Member Dashboard click Edit Profile, then the Professional Info tab. They can then select any PDG to add or delete.
- c. Symposia submitted/accepted by the PDG for this year's conference: Wednesday July 24 8:30 a.m.–12:15 p.m. Kentucky International Convention Center – 2: The Impact of Packaging – Materials on Food Safety: Testing, Modeling and Regulation.
  1. 8:30 a.m. Analytical Challenges for the Analysis of Contaminants in Food Arising from Packaging Materials Luke Ackerman, U.S. Food and Drug Administration, College Park, MD.
  2. 9:00 a.m. The Migration of Chemical Additives from Polymeric Food Packaging Materials Melvin Pascall, The Ohio State University, Columbus, OH.
  3. 9:30 a.m. End User Regulatory Considerations for Packaging Changes and New Packaging Compliance – Ken Davenport, 3M.
  4. 10:45 a.m. Global Food Contact Analytical Protocols for New Substance Notifications and Final Articles Compliance Naeem Mady, Intertek, Boca Raton, FL.
  5. 11:15 a.m. Trends in Food Contact Materials and Chemical Residues Analysis Charles. Neslund, Eurofins, Lancaster, PA.
  6. 11:45 a.m. Risk Assessment of Contaminants from Food Packaging Maeve Cushen, Creme Global, Dublin, Ireland.
- d. Food Packaging-related Posters:
 

*(Please note that this may not be a complete list.)*

  1. Session scheduled for Packaging Posters is: 8:30 a.m.–3:30 p.m. P3 Poster Session 3 – Beverages and Acid/Acidified Foods, Food Chemical Hazards and Food Allergens, Food Toxicology, Laboratory and Detection Methods, Meat, Poultry and Eggs, Microbial Food Spoilage, Packaging, Seafood, Water; Kentucky International Convention Center – Exhibit Hall.

2. Individual Posters from information submitted by PDG Members:
  - a. Tuesday, July 23, 2019 from 8:30 a.m.–6:15 p.m. and presenting from 2:15 p.m.–6:15 p.m. P2-243: Evaluation of Two Prototypes of Intelligent Packaging with a pH Indicator to Determine Spoiled Cow Milk.

**New Business:**

- a. IAFP Connect Food Packaging PDG Community.
  - i. Link: <https://connect.foodprotection.org/home>.
  - ii. Food Packaging PDG Community: <https://connect.foodprotection.org/communities/community-home/digestviewer?communitykey=246716cf-70bf-459e-bd79-93aef-8c33987&tab=digestviewer>.
  - iii. Serves as a PDG site that will allow group discussions, Q&A between members, sharing of ideas and issues.
- b. Additional Networking and Discussion Opportunities.
  - i. Kim will find a table at the following social functions during the meeting, to serve as a focal point for Food Packaging PDG members to gather and network during the IAFP 2019 Meeting:
    1. Saturday July 20. Welcome Reception, 5:00 p.m. – 6:30 p.m., Kentucky International Convention Center – Ballroom D.
    2. Sunday July 21: Cheese and Wine Reception, all attendees invited, 7:30 p.m. – 9:30 p.m., Kentucky International Convention Center – Exhibit Hall A–E.
    3. Do we want to try to get together during any of the networking lunches in the Exhibit Hall?
- c. Presentation by Kay Cooksey: Title: Current Outlook on Sustainability for Food Packaging.
  - i. Content covered include: Drivers, Goals and Initiatives, Marine waste, food waste, Bio-based materials.
- d. New Symposium Topics Brainstorming and Development.
  - i. The deadline for IAFP 2020 symposia, roundtable and workshop proposals is October 1, 2019.
  - ii. Lotus Blossom concept used for brainstorming symposia ideas.
  - iii. 2018 Topics Proposed (notes pages for each topic were shared via email by Kim prior to this meeting):
    1. Active Packaging.
    2. E-Commerce Packaging.
    3. New Packaging Materials Innovation.
    4. Packaging Chemical Safety.
    5. Packaging Failures and FMEA.
    6. Packaging Regulatory Compliance.
    7. Sustainability.

**Recommendations to the Executive Board:** None.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 3:00 p.m.

**Chairperson:** Kimberly Yeager, Vice Chair (standing in for Nick Forshee).

**Food Safety Assessment, Auditing and Inspection PDG**

**Attendees:** Sue Kaminski (Vice Chair), Achyut Adhikari, Khaled Al Marzooqi, Sultan Al Taher, Ahmed Almessabi, Keith Amoroso, Cindy Anderson, Saif Arabi, Adam Baker, Charles Bashiru Bakin, Mikio Bakke, Patricia Baxter, Veronica Bryant, Laura Bunyan, Daniel Burnett, Anne Carr, Andrew Clarke, Brian Shawn Eblen, Jeff Edelen, Bertrand Emond, Adam Esser, Ellen Evans, Karen Everstine, Hadda Faye, Jason Fine, Aliyar Fouladkhah, T.J. Fu, Tim Gillam, Peggy Good, Tyeashia Grant, Xiaoxu Han, Alex Hanley, Paula Herald, Richard Huang, Xiaoping Huang, William Huntley, Abdoulie Jallow, Michael Kalish, Nicole Keresztes-James, Vanee Komolprasert, Pushpinder Litt, Yuqian Lou, Deborah McIntyre, Nathan Miller, Adeniyi Odugbemi, Katheryn Parraga-Estrada, Xiaoyan Pei, Ruth Petran, Matt Petrash, Chad Pidgeon, Gale Prince, Christophe Quiring, Brendan Ring, Ma. Rocelle Saldua, John Saniga, Dina Scott, Mandy Sedlak, Natalie Seymour, Nicola Sharman, Arlette Shazer, Tracie Sheehan, Barbara Smith, Hissho Sushi, Kristina Sweet, Daniel Vassar, Erin Wade, Xue (Caroline) Wang, Kasey Ward, Kiyonna Williams, Alex Zeman, and Ming Zeng.

**Number of Attendees:** 71.

**Meeting Called to Order:** 9:00 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Andrew Clarke.

**Old Business:** Approved the 2018 meeting minutes with a majority vote. No outstanding business, Anti-trust Guidelines provided to the group and reiterated.

**Announcements:** Welcome to all and reminder to Members that the IAFP Foundation now supporting the expense for webinars which means sponsorship no longer required. Members encouraged to make use of the available webinars – reminder that IAFP membership is required to be able to view the webinars.

Members were reminded to use IAFP Connect for the PDG and pose questions using the tool and discuss submissions for next year's meeting.

**New Business:** Sue Kaminski stepping down from Vice Chair role and results of those nominated for the Vice Chair role provided. Andrew Clarke, Loblaws, was nominated to take over as Vice Chair for the PDG (pending Board approval).

Reminder to attend the 2019 symposium linked to the PDG.

*You Cannot Audit Food Safety Culture – Wrong, Here's How! (S25).*

*Wendy White, Andrew Clarke, Helen Taylor, Lone Jespersen.*

**Goals of 2019 Meeting:** Discuss Symposia/Roundtables suggestions for the 2020 Meeting, reminder of October 1 deadline for submissions.

**Suggestions to Provoke Discussions:**

What keeps you up at night about auditing?

What topics would interest the IAFP audience?

Members were asked to consider synergies with other PDGs and the following potential topics were established:

1. Project Management – prepping SMEs for audits.
2. Effectiveness of internal audits – technologies to support and improve internal audits.
3. Core competencies for auditors – internal auditors/ 3rd party.
4. Comparing auditor competencies – internal versus 3rd party auditors.
5. Collaboration with retail PDG and audit/inspection approaches used in retail.
6. Audit/auditor fatigue – webinar.
7. Auditing food fraud – techniques and approaches, required skill set and collaboration with food fraud PDG. How to determine the effectiveness of food fraud vulnerability assessments.
8. Technologies used for remote auditing – challenges and benefits, uses including auditor evaluation.
9. Consideration of data use to support and drive audit focus/effectiveness.
10. Consideration of linkage with sustainability auditing.
11. Roundtable – Interpretation of audit standards and guidelines, GFSI recognized standards, standard owners to participate.
12. Risk-based auditing and the techniques to use to determine audit focus.
13. Foreign inspections and approaches used by other countries, risk-based inspection approaches – use of product testing to influence inspection frequencies.
14. Auditor competencies – product recalls/withdrawals in conjunction with audit outcomes.
15. HACCP PDG – techniques in auditing HACCP and preventative controls, approaches with auditing validated processes – what to review and consider.
16. Evaluating auditors to enable success – consideration of time restrictions and understanding the limitation of audits – auditor fatigue.
17. Internal auditor training – what good looks like collaborate with training and FS culture PDGs

**Pros:** Good participation from the Members present, lots of discussion and relevant input throughout the meeting. Some good ideas provided for potential symposia, roundtables and webinars.

**Suggestions:** Relatively low turnout, improved planning and advanced and improved communication to members may have elevated numbers of members present for the meeting. The agenda and scope and intent of the meeting could have been more structured to obtain more depth and scope of discussion.

**Chair Note:** Early (9:00 a.m.) meeting time may also have had a negative impact on reduced attendance, too early for those traveling in same day. Review of the 2018 Meeting – scheduled @ 3:00 p.m. – and had over 80 attendees.

**Recommendations to the Executive Board:**

1. Recommend the Board approve Andrew Clarke as incoming Vice Chair for the Auditing, Assessment and Inspection PDG.
2. Recommend the Board approve a 1-year extension of the current Chair Trish Wester to accommodate the election of the new Vice Chair. (The existing Vice Chair, Sue Kaminski has withdrawn.)

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 10:20 a.m.

**Chairperson:** Patricia Wester.

**Food Safety Culture PDG**

**Attendees:** Lone Jespersen (Chair), Laura Nelson (Vice Chair), Jehaina Al Ali, Sultan Al Taher, Abimbola Allison, Mohamed Alshamsi, Shayma Altenaiji, Keith Amoroso, Angela Anandappa, Renee Anderson, Saif Arabi, Sadiye Aras, Bennett Armstrong, Jyoti Aryal, Hussam Azzam, Charles Bashiru Bakin, Kara Baldus, Brita Ball, Takiyah Ball, Shaheen Banabeela, Ata Al Baroudi, Avery Becker, Angela Bernoski, Roy Biggs, Elise Binder, Erika Bogner, Luc Bourbonniere, Pardeepinder Brar, Camille Brewer, Laura Bunyan, Daniela Buosi, Marlita Burford, Briana Burke, Laurel Burke, Ronald Burke, Dennis Burson, Joyce Cao, Anne Carr, Komita Carrington, Anindya Chanda, Charita Chapman, Yuhuan Chen, Anika Chowdhury, Shahidullah Chowdhury, Antonio Cid, Andrew Clarke, Neil Coole, Alison Cousins, Darlene Cowart, Courtney Crist, Tracey David, Lindsey Day, Thomas De Bock, Kris De Smet, Nathan Decker, Jamie Dement, Marie Dionne, Denise Eblen, Abdul Azeez Ebrahim, Bertrand Emond, Ellen Evans, Khashayar Farrokhzad, Shelley Feist, Glen Feller, Elise Forward, Julia Fritschel, Monica Galleguillos, Heather Garcia, Austin Gast, Kerri Gehring, Vinayak Ghate, Tim Gillam, Tia Glave, Peggy Good, Sarah Gooding, Joanna Griffiths, Alan Gutierrez, Lisa Hainstock, Scott Hall, Alexis Hamilton, Ahmed Hammad, Alex Hanley, Craig Henry, Deborah Henry, Edwin Hernandez, Amanda Hill, Joe Holt, Taryn Horr, Jennifer Hughes, Kristen Hunt, Liesbeth Jacxsens, Hetal Joshi, Md Niamul Kabir, Michael Kalish, Suwimon Keeratipibul, Megan Kenjora, Nicole Keresztes-James, Chanon Khamta, Larry Kohl, Naeun Kwon, Sakshi Lamba, Thomas Larsen, Loralyn Ledenbach, Joe Legrand, Girvin Liggans, Joanne Lim, David Limbaugh, Xiyang Liu, Tatiana Lorca, Lisa Lucore, Anna Mackay, Stephanie Maggio, Deon Mahoney, John Marcy, Karina Martino, Ryan Maus, Deborah McIntyre, Joanna Meyer, Joseph Meyer, Molly Mills, Nathan Mirdamadi, Paul Mitchell, Theo Morille-Hinds, Sara Mortimore, Marcia Murphy, John Mwangi, Angela Nguyen, Hung Nguyen-Viet, Kathleen O'Donnell, Adeniyi Odugbemi, Ikechukwu Oguadinma, Yemi Ogunrinola, Rose Omari, Richard Park, Bhavini

Patel, Michael Peralta, Anne-Marie Perchec-Merien, Brian Perry, Ruth Petran, Brian Poon, Laurie Post, Bill Potter, Gale Prince, Bhargavi Rane, Cari Rasmussen, Amy Rhodes, Michael Roberson, Catherine Rolfe, Blanca Ruiz, Yodlak Saengprao, John Saniga, Amreeta Sarjit, Brittany Saunier, Michele Sayles, Lester Schonberger, Dina Scott, Nicola Sharman, David Shelep, Weilin Shelver, John Sofos, Anna Starobin, Clint Stevenson, Greg Sutherland, Katie Swanson, Drew Tadd, Nicholas Tan, Carmen Tartera, Mori Tetsuya, Anna Townsend, Lisa Treiber, Corey Troutman, Tessa Tuyschaeffer, Akhila Vasan, Daniel Vassar, Ed Verosko, Carol Wallace, Kasey Ward, Austin Welch, Xuwen Wieneke, Niradha Withana Gamage, Wenqing Xu, Lily Yang, Kris Young, and Ming Zeng.

**Number of Attendees:** 184.

**Meeting Called to Order:** 1:02 p.m. Sunday, July 21, 2019 by Lone Jespersen.

**Minutes Recording Secretary:** Alexis Hamilton.

**Old Business:** None.

**New Business:**

Opening:

All about building up the capacity and topic of food safety culture to meet the changing landscape of food safety.

What do you want to see, and how can the PDG meet those needs?

Carol, Andrew, Laura, Megan, Lone, Nicola, Bertram.

Discussion Groups:

- 2020 proposals: Megan.
  - Really looking for really excited and motivated individuals.
  - Context: stuff generated last time, catch up on this, and maybe use some of this for topics in the year on in smaller groups; proposals for next year; use the generated stuff for suggestions for next year and be prepared for 2020; what did we propose this year? Can we refine this further?
  - CTA: proposal committee members.
  - Objective and deliverables: remind members of the great ideas that was generated over the past year; committee established.
  - Lead: Megan and Brita.
- GFSI position paper: Andrew.
  - Context: case studies; focus on active results; benchmarking document; insights in the 2018 webinars on content and practical learnings.
  - CTA: Members to volunteer and contribute case studies what they've deployed and help mature their food safety culture.
  - Obj and dev: educate the industry on the applied use of the GFSI position paper and industry efforts and tactics to mature food safety culture.
- Lead: Laura, Andrew, Mark.
  - What is in the paper? What are people doing? How is it working? How could we improve upon this?
  - Looking for positive and practical – What worked? What didn't? Emphasis on case studies and the experience of using the GFSI document; best practices so that we can circulate throughout the industry.
  - Andrew: Really good document and not getting enough use.
- Learnings from the field: Bertram.
  - Context: Present update from BRC issue 8 on their culture findings, BSI food safety culture PSAs.
  - CTA: Members to volunteer and contribute lessons and stories from their culture journey; members to suggest good learnings from other sectors (outside food).

- Obj and dev: Share experiences, learn from others' mistakes and successes; pithy presentations highlight key learnings which can be used as case studies.
- Lead: Bertram and Neil.
  - First benchmark standard for food safety culture in a business.
  - Include defining activities that impact food safety, what activities will be taken, review of effectiveness of completed activities (next year); learning from mistakes; hosting RT by Cultivate (Neil); only way to compete with existing standards is to incorporate them/add to them/complement them; want to provide guidance; our role is to develop a standard with the industry and subject matter experts that sites can adopt.
- Trends, webinars, engagement: Nicola.
  - Keeps food safety culture alive throughout the year; get some excitement going in this space over the next year; hoping to incorporate everyone in the PDG; webinars through IAFP are now free!; hoping to generate several webinars from this PDG over the next few years; emphasis 2020 topics; hoping to do an article series ("learnings from practitioners"); create tools that professionals can use themselves surround culture and food safety;
- Context: publications since last meeting; 2019/2020 series of webinars, ask for leaders to be included in this before the meeting; quarterly round up of food safety culture in the news through webinars.
  - CTA: Trends on co-authors, engagement committee.
  - Obj and dev: Provide overview of published material since last meeting; gather input to further knowledge sharing needs and suggestions; list of published material since last meeting posted on share; suggested topics and formats for further knowledge sharing.
  - Lead: Nicola, Lone, Lis.
  - Research needs: Carol.
  - Context: update on research from Salus presentations at IAFP EU Symposium; identify academics in room or known to PDG members who are working in the area; show and tell on research topics.
  - Food safety science group: Salus.
  - CTA: members to share their ideas for research needs and what they would like to hear at IAFP future platforms and webinars.
  - Obj and development: Researchers and practitioners together – let's share knowledge to move food safety performance forward; presentation plans for future PDG meetings; symposia proposals; IAFP workshops; accessible articles.
    - Lead: Carol, Ellen, Clint.
  - Work with academics, industry – What do you need? What questions do you have that haven't been answered yet? How can the PDG address that? Is current research meeting industry needs?
    - Share knowledge to improve FSC performance.

Post-group:

- Went around the room and each group reported out.

Report out:

- Group #1: 2020 proposals.
  - Back to Basics: Good Manufacturing Practices as a way to improve food safety culture (working title).
  - Austin Gant, Joanna Griffiths, Angela Bemoski.
  - Stuck in the Middle: How to Set Clear Food Safety Expectations through the Middle Layer of Management – Reviving from last year's submission.
  - Megan Kenjora, Alison Cousins (Alison.cousins@bsigroup.com), Daniela Buosi (Daniela.mengarda@brf-br.com).
  - Food safety culture as part of national, organizational, and other areas (people safety, innovation, continuous improvement, etc.); how to make an impact (organizational resiliency will also come into the concept).

- Joanna Griffiths, Sara Mortimore, Neil Coole (neil.coole@bsigroup.com), and Brian Perry, Ronald Burke (Ronald.burke@ardentmills.com).
- Leveraging modern pedagogical tools, techniques and concepts for teaching. Critical Thinking/problem solving in food safety environment.
- Michael Kalish, Kara Baldus, Austin Welch (austin@sage-media.com), Dina Scott (dascott@darden.com).
- Food safety culture across the supply chain – people as the common denominator.
- Neil Coole (neil.coole@bsigroup.com), Joanna Meyer. (Joanna.Meyer@mclaneco.com), Akhila Vasan (avasan@iit.edu).
- One Size Does Not Fit All: The Need for Customized Food Safety Engagement Around the World – reviving from last year.
- Megan Kenjora, Elise Forward (Elise@ForwardFoodSolutions.com).
- Group #2: GFSI position paper.
  - GFSI Document – the usage of the document and what does the industry want to be successful?
  - Overall low number of downloads and no one spoken with had used the document within their business.
- Activities completed or suggested:
  - Mentoring program in place throughout the business in terms of food safety.
  - Determining metrics – support required on how this can be achieved.
  - Practical approach to defining metrics and assessing culture.
  - Importance of engaging senior leadership – tips and tricks to inform them of what it is and the benefit of an effective FS culture.
  - Support to identify “influencers” within a business to assist in continuing the message of food safety.
  - Processes for communicating performance throughout a business, what works effectively at different levels of the business?
  - How do you influence senior leadership, what tools can be used to influence and demonstrate the importance of behavior?
  - Provide relevant stories to make it real and identify relevance to the intended audience.
  - Discussion on performance throughout the business, empowering all employees to provide feedback and engage, provide tools to continue engagement.
  - Establish true values of what a business can achieve, long term planning for increased goals.
  - Have “culture champions” within a business, trained and resource point for others.
  - Communicate the importance of managing the most important GMPs, strategies for continued engagement.
  - Audit the plant/GMPs as a group to aid learnings.
  - Complexities of middle management/supervisors and understand what can be done to engage them and ensure ownership – competing priorities and they become a potential bottleneck.
  - Similarities with other risk mitigation strategies, H&S etc. empower to have a holistic oversight of compliance.
  - Lack of action with repeated issues drives the wrong culture, becomes negative.
  - Actions to engage site leaders and identify bottlenecks.
  - Messaging and making it real, what’s the norm? Need to provide the “whys” as well as the processes/programs.
  - Effective change management for existing, long term employees and new employees.
  - Leverage actions to provide catalysts for change to enforce rules.
  - Design systems to become habits and the normal way of doing things, remove confusion.
  - Consider employee retention and the reasons for a fluctuating workforce.
- Training references.
  - Varying levels of education and different languages – action being taken to right size training to employee’s needs.
  - Removing language from training material, pictorial training for everyone, training tool for industry considering literacy levels and languages barriers from different language spoken.
  - Stop retaining and hold managers accountable, drives ownership, reduces the burden to provide repeated training and shifts responsibilities.
  - Provide training and have SQF practitioners in every department (not just food safety).
  - Challenges:
    - Approach to assessing FS culture seen as a “score” and pass rather than a behavior assessment. Perception that actions can be taken to pass the assessment/audit.
- Group #3: Learnings from the Field.
  - Bertrand Emond & Neil Coole.
  - Breakout session.
  - Bertrand covered the new BRC issue 8 and the new clause on Food Safety Culture.
    - 1.1.2. The site’s senior management shall have a documented strategic plan for the development and continuing improvement of food safety culture. This shall include:
      - Defined activities involving all sections of the company.
      - An action plan indicating how the activities will be undertaken and intended timescales.
      - Review of the effectiveness of completed activities. \*\*\*
      - \*\*\*Audits against this bullet point to be deferred to year 2.
      - Audits against this new clause started in February 2019.
      - This is now one the most common non conformities, ranging from no plan at all to poorly executed or covering wrong aspects.
    - Neil introduced the brand new BSI Food Safety Culture PAS (Publicly Available Specification) project and the roundtable planned for Tuesday morning.
    - Key areas where support is needed.
      - Communication.
      - How to have more effective comms (STOP Foodborne Illness videos).
      - How to communicate with senior executives, C suite.
      - How to engage C suite (Park Doctrine, Delaware Supreme Court ruling re. Blue Bells).
      - How to communicate with other parts of the business.
      - How to communicate messages as simply as possible without jargon.
  - Key Performance Indicators (KPIs), Measurements.
    - How to set them right, how to get the right balance to ensure right behaviors are driven; consider cost/benefit.
    - How to create sense of urgency to drive change within business if have not had a crisis.
    - How to leverage other people’s crisis to your benefit.
    - How to leverage own crisis to drive change.
    - How to integrate food safety related activities/initiatives to other programs including H&S, environment, continuous improvement.
    - How to drive good behavior as a whole covering all aspects not just food safety.
    - How to engage and communicate with your suppliers.
- Group #4: Trends, Webinars and Engagement.
  - Went over everyone’s home countries/states.
  - Emphasized creating a vibe of momentum and excitement about involvement and aim to keep it up over the next year.
  - Webinars are for everyone (check the IAFP Connect website).
- Webinar ideas:
  - Update the recent Food Safety Culture webinar (from 3 years ago).

- Contact: Laurel Burke, Retail Food Safety Manager at Starbucks Coffee Company (lburke@starbucks.com).
- Back to basics: roles and responsibilities (start with the “what we’re doing at home and how you’re doing the same thing at work on a larger scale”; food safety through the eyes of your mother-in-law).
- How to insure there are better practices, change behaviors, are there things which have worked and which have not.
- How to evaluate a good information source, resource and template.
- General principles of food hygiene.
- GFSI document.
  - Contact: Lone and Andrew.
  - Emphasize specific topics from paper.
- About topics that did not make the annual meeting agenda.
  - Contact: Tracey David.
- Resources for the PDG.
  - Contact: John Marcy, Research Professor at University of Arkansas (jmarcy@uark.edu); Amanda Hill, Chief Executive Officer of Dairy Food Safety Victoria (ahill@dairysafe.vic.gov.au); Alison Cousins, Global Food Training Director at BSI Group (alison.cousins@bsigroup.com).
  - Showcase current research and emphasize future research needs toolkits: (1) validated tool used by Australian dairy sector (Amanda Hill), (2) BSI tool (Alison Cousins).
  - PAS 96 as a free download (Alison Cousins).
  - How to design your own assessment tool, improve your food safety culture plan.
  - How are these assessment and training programs validated (what does that mean?) and then how do I evaluate it for customized use?
  - Customizing the initial assessments (not so canned).
- Development and Effectiveness of an Online Food Safety Course.
  - Contact: Stephanie Maggio, Ph.D. student, offered to present webinar; Austin Welch; Austin Gast, Food Safety and QA Manager at CMI Orchards (austing@cmiorchards.com);
  - Focus on content, behavior changes, and method (potential for collaboration with Food Safety Education PDG).
- Food safety culture behavior.
  - Contact: Brittany Saunier, Director of Development at Partnership for Food Safety Education (bsaunier@fightbac.org); Tracey David.
  - What you do at home is the same thing you do at work (just on different scales!) (Brittany Saunier).
  - Emphasize the interpretability of the sociology and psychology research to inform behavior modification techniques and implementation (Austin Gast).
  - People have a pride in what they do – let’s build on this to improve the culture surrounding food safety.
  - Barriers to food safety culture implementation (international culture, language, migrant worker population, etc.).
  - Who should be doing the work of communicating how to improve food safety culture (how to develop a team, who should be on the team and deliver this information? – good listener, good at open-ended questions, don’t necessarily need to have the technical knowledge, auditors play role on back end but need more involvement at the front end, how does this contribute to business results).
- Miscellaneous ideas.
  - Incentive and reward systems.
  - Evaluating food safety culture (methods, documentation, checklists).
  - Industry-regulatory relations and go-betweens.
  - Practical applications by sectors.
  - Bring STOP in and have them present on materials about how food safety has impacted individuals tug on heartstrings.
  - Webinar for student PDG.
- Miscellaneous questions to be answered in webinar content.
  - What is important to the industry?
  - How do we get regulators on the same page as the industry?
  - Can any of this information be brought into business-specific decision-making?
  - How do we integrate this to improve regulatory compliance?
  - Breakdown ideas into several webinar series.
  - Need two-way communication – don’t limit ourselves to just webinars.
  - Will be contacted in one month about involvement in webinar development.
- Group #5: Research Needs for Culture Performance Improvement.
- Salus Research update for IAAP FSC PDG:
  - Salus Group is a group of researchers with a mission is to provide evidence-based recommendations and practical and effective science-based solutions to strengthen and improve food safety culture and food protection throughout the food supply chain. Open to all researchers who are actively researching the field of Food safety culture or associated fields. We welcome new members.
  - Lots of research already done around food safety culture measurement and validated models are available. Ongoing research around 3 main areas:
    - Food Safety Culture improvement interventions:
      - Good practice interventions in German meat processing.
      - Food safety culture related to hand hygiene behaviors (Wales).
      - Culture-based intervention for cleaning optimization (Wales).
      - Systems-Practices-Culture interventions in SME manufacturers (Mauritius).
    - Links between food safety culture, organizational culture, ethical culture, human factors and food fraud.
      - Using human factors methods to understand the 2013 horse-meat scandal.
      - Food safety culture and ethical culture in food fraud.
  - Impacts of food safety culture improvement.
    - Benefits to companies.
    - Impact on the bottom line.
  - Research needs for culture performance improvement – Ideas from the working groups.
  - Worker turnover/senior leader turnover.
  - What has to happen when the leader changes?
  - Corporate Memory loss.
  - Food safety training in the boardroom.
  - Application of food safety culture in Catering sector studies– high staff turnover.
  - Food service in hospitals – food safety culture throughout healthcare settings.
  - Perceptions of who is responsible for FS and FSC.
  - To give new people injection of FS, do the SQF implementation. Challenge them to ensure retention of learning. Who’s going to take over?
  - Senior managers – some have worked up and had training, other will have come straight in at the top. No real FSC or training for the most senior management.
  - Business school curriculum.
  - Linking up FSC leadership.
  - FSC and Business culture.
  - What are leaders?; how to select leaders.
  - Senior leadership involvement – not all businesses have seniors that are leaders. Neither do they understand FSC.
  - Spreadsheet warriors in the boardroom.
  - Research on behaviors that lead to major failures.
  - Training for venture capital firms and boardrooms – risk exposure and risk assessment with meaningful metrics.
  - Investing in business start-ups where the business proprietors have no food safety (or food) knowledge or experience – managing the risks.

- Issues around people for whom food is a secondary job.
- The last mile and sanitary transportation – delivery workers, etc.
- Home education; consumer education; Food safety in secondary food safety airline staff, etc.
- Sanitary transport and distribution – with FSMA, what does FSC really require from everyone from loader, to receiver to the driver. What does a company expect a driver to do in the event of an incident.
- Use of computer based training and virtual reality training tools to assist with culture.
- AI and other media training.
- NC state – course, virtual reality training, FSC for a small dairy – assess behavior change and engagement. Needs analysis.
- Links between FSC and rules and regulations.
- Regulation on culture; Unregulated steps.
- Daniela Meadow – leverage points for environmental movement. Impact on organisations – identify the pin points.
- Companies that absorb food businesses – how do they transfer their thoughts to food safety.
- Improvement interventions.
- Impact on improvement and bottom line.
- Supplier food safety culture, to understand supply chains.
- Industry – not particularly aware of how to access research journals.
- Need accessible list of FSC related research to provide to companies. FSC research publications.

#### **Recommendations to the Executive Board:**

1. Approve Laura Nelson as Vice Chair.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 2:57 p.m.

**Chairperson:** Lone Jespersen.

### **Food Safety Education PDG**

**Names of Attendees:** Francie Buck (Chair), Wenqing Xu (Vice Chair), Achyut Adhikari, Jehaina Al Ali, Sultan Al Taher, Shayma Altenaiji, James Arbogast, Bennett Armstrong, Adam Baker, Kara Baldus, Brita Ball, Manreet Bhullar, Erika Bognar, Adam Borger, Kenneth Boyer, Renee Boyer, Marisa Bunning, Kenedy Callaway, Anne Carr, Komita Carrington, Ben Chapman, Charita Chapman, Melissa Chase, Candice Christian, David Cook, Courtney Crist, Patricia Curtis, Tracey David, Minh Duong, Martin Duplessis, Carianne Endert-Klaasen, Kristin Esch, Ellen Evans, Sarah Evans, Savana Everhart, Shelley Feist, Yaohua Feng, Tracy Fink, Pina Fratamico, Julia Fritschel, Oscar Galagarza Angulo, Catherine Gensler, Mary Alice Gettings, Serena Giovinazzi, Ayanna Glaize, Sarah Gooding, Duane Grassmann, Dale Grinstead, Alexis Hamilton, Alex Hanley, Shauna Henley, Ken Hill, Ali Hurysz, Kris Ingmundson, Calloway Jamerson, Megan Jensen, Lone Jespersen, Lynette Johnston, Chris Jordan, Alexander Josowitz, Megan Kenjora, Nicole Keresztes-James, Kathy Knutson, William Lachowsky, Thomas Larsen, Joanne Lim, Pushpinder Litt, Teresa Lopez, Stephanie Maggio, Eric Martin, Rachel McDowell, Deborah McIntyre, Lorraine McIntyre, Joanna Meyer, Eric Moore, Lillian Nabwiire, Laura Nelson, Sergio Nieto-Montenegro, George-John Nychas, Adewale Obadina, James O'Donnell, Adeniyi Odugbemi, Rose Omari, Mellonie O'Neill, Kathleen Ott, Janee Parker, Michael Peralta, Bridget Perry, Hannah

Pilch, Jennifer Quinlan, Paula Rivadeneira, Edwin Roman Rivera, Blanca Ruiz, Brittany Saunier, Donna Schaffner, Lester Schonberger, Natalie Seymour, Nicola Sharman, Adrienne Shearer, Kantha Shelke, Ellen Shumaker, Steven Sims, Frost Steele, Clint Stevenson, Tori Stivers, Debbie Stroud, Lang Sun, Greg Sutherland, Drew Tadd, Brad Taylor, Todd Taylor, Akhila Vasan, Abigail Villalba, Carol Wallace, Myriam Watts, Austin Welch, Joyce Wert, Molly West, Mallory White, Kristin Woods, Zhinong Yan, Lily Yang, Shiyun Yao, Veerachandra Yemmireddy, Morgan Young, and Alex Zeman.

**Number of Attendees:** 126.

**Meeting Called to Order:** 3:17 p.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Wenqing (Wennie) Xu and Adam Baker.

#### **Old Business:**

1. Adoption of the 2018 meeting minutes.  
Minutes have been posted on IAFFP Connect.  
Motioned: Lone Jespersen.  
Second: Joanna Meyer.
2. Review of FSE-PDG sponsored 2019 sessions:  
List of 2019 symposia and roundtables related to food safety education was displayed. But we do not know which ones went through FSE-PDG. We encouraged members who are interested to submit symposium/roundtable proposals for 2020 work with the Chair and Vice Chair to submit proposals.
3. Task Group Reports:
  - Wennie Xu gave updates on the “Before Disaster Strikes – pamphlet revision. The new title of the new pamphlet is “Before, During and After Disaster Strikes – A Resource Guide for Food and Water Safety in the Home.” The pamphlet was revised by Wennie Xu, Bill Lachowsky, and Sherri McGarry. It has been submitted to Didi but is not published yet.
  - Another pamphlet entitled “Food Safety at Temporary Events” needs revision. Courtney Crist, Lily Yang and Ellen Evans volunteered to work on the revision.
4. Mission Statement:  
Brita Ball gave updates on the proposed mission statement and the member votes. Out of 66 responses, 65 voted yes to the proposed statement.

#### **New Business:**

1. Wenqing (Wennie) Xu was elected as Vice Chair for the PDG.
2. IAFFP 2020 symposium/roundtable proposals due Oct.
  1. Members are encouraged to work with the Chair, Vice Chair, Courtney Crist, and Sergio Nieto-Montenegro.

## Numbered List of Recommendations to the Executive Board:

1. Recommendation for approval of Wenqing (Wennie) Xu as the Vice Chair.
2. Recommend the Board to adopt the new mission statement for Food Safety Education PDG as follows:  
"To provide a forum for IAFP Members and interested others to learn, network, and share information and resources about education, training and outreach for various audiences thereby advancing food safety knowledge, promoting behavior change and improving practices that mitigate food safety risks around the world."

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 5:15 p.m.

**Chairperson:** Francie Buck.

### Fruit and Vegetable Safety and Quality

**Attendees:** Humberto Maldonado (Chair), Gretchen Wall (Vice Chair), Hamada Aboubakr, Emelia Adator, Achyut Adhikari, Jeremy Adler, Basel Al Jaber, Sufian Al Khaldi, Khaled Al Marzooqi, Salman Aldosari, Ali Alkathiri, Sarah Allard, Abdullah Almulhim, Hany Anany, Brienna Anderson Coughlin, Ted Andrew, Bassam Annous, Jyoti Aryal, Samir Assar, Ashley Avilla, Uma Babu, Daniel Bair, Adam Baker, Kannan Balan, Cameron Bardsley, Ata Al Baroudi, Arlene Barrantes Romero, Avery Becker, Alexandra Belias, Larry Beuchat, Rachel Binet, Michael Botelho, Bob Brackett, David Bridges, Annemarie Buchholz, Marisa Bunning, Kellie Burris, Suyeun Byun, Christopher Callahan, Carmen Cantú, Michelle Carter, Genna Chadderdon, Anindya Chanda, Vijay Chhetri, Antonio Cid, Donna Clements, Shani Craighead, Faith Critzer, Carl Custer, Alexandre Da Silva, Corinna Darelus, Taylor Davedow, Thomas De Bock, Nathan Decker, Kaiping Deng, Govindaraj Dev Kumar, Brian Dieckelman, Marie Dionne, Erika Du Plessis, Jeanne Duckett, Martin Duplessis, Mauricio Durigan, Natalie Dyenson, Kristin Esch, Blanca Escudero, Adam Esser, Erika Estrada, Jeremy Faircloth, Xuetong Fan, Khashayar Farrokhzad, Peyman Fatemi, Angela Marie Ferelli, Connie Fisk, Pina Fratamico, Julia Fritschel, T.J. Fu, Samantha Gartley, Charles Giambone, Rachel Goeiz, Lisa Gorski, Elizabeth Grasso-Kelley, Jiewen Guan, Gayathri Gunathilaka, Alan Gutierrez, Miguel Gutierrez, Jeff Hall, Yun-Yun, Diana Hao, Margaret Hardin, Dennis Harp, Sophia Harrant, Yingshu He, Runze Huang, William Huntley, Ali Hurysz, Kari Irvin, Calloway Jamerson, Dawonna James-Holly, Lynette Johnston, Ernest Julian, Jiin Jung, Issmat Kassem, Alyssa Kelly, Karuna Kharel, David Kingsley, Kali Kniel, Larry Kohl, Lori Kora, Jovana Kovacevic, Katherine Kreil, Mahipal Kunduru, Alison Lacombe, Keith Lampel, Chao Liao, Pushpinder Litt, Teressa Lopez, Wendy Maduff, Carolina Mariano Ferraz, Claire Marik, Karl Matthews, Sherri McGarry, David Melka, Janny Mendoza Mencia, Pat Millner, Abhinav Mishra, Naim Montazeri, Mark Moorman, Juan Moreira, Sudarsan Mukhopadhyay, Rianna Murray, Lillian Nabwire, Amber Nair, Neda Nasheri, Joseph Nicholl, Brendan Niemira, Sergio

Nieto-Montenegro, Xiangwu Nou, Kathleen O'Donnell, Ikechukwu Oguadinma, Alexis Omar, Stephen Ostroff, Omar Oyarzabal, Jitu Patel, Emma Patregiani, Audrey Patterson, Anne-Marie Perchec Merien, Bridget Perry, Sophie Pierre, Alda Pires, Lori Pivarnik, Juan Ponce De Leon, Kinsey Porter, Claudette Quevedo, Beatriz Quiñones, Irwin Quintela, Sadhana Ravishankar, Karina Reyes-Gordillo, Paula Rivadeneira, Robert Roe, Catherine Rolfe, Blanca Ruiz, Robert Sakata, Joelle Salazar, Ma. Rocelle Saldua, Yasser Sanad, Sofia Santillana-Farakos, Brooke Schwartz, Vicki-Lynne Scott, Manoj Shah, Manan Sharma, Tracie Sheehan, Shreya Singh Hamal, Natasha Sloniker, Michelle Smith, Frost Steele, Diane Stewart, Don Stoeckel, Stacy Stoltenberg, Laura Strawn, Christine Stroh, Trevor Suslow, Meredith Sutzko, Katie Swanson, Gloria Swick-Brown, Aparna Tatavarthy, Chayapa Techathuvanan, Clare Thorp, Phillip Tocco, Mary Lou Tortorello, Anna Townsend, Daniela Turcios, Tessa Tuytschaeffer, Morgan Wallace, Freya Wang, Peien Wang, Xue (Caroline) Wang, Qi Wei, Brooke Whitney, Stefan Widmann, Xuwen Wieneke, Christina Wilson, Niradha Withana Gamage, Michael Wood, Shuang Wu, Crystal Yang, Shiyun Yao, Veerachandra Yemmireddy, Amy (Hsin-Bai) Yin, Robyn Zaches, Guodong Zhang, Lei Zhang, Jane Zheng, Jie Zheng, and Kang Zhou.

**Number of Attendees:** 213.

**Meeting Called to Order:** 1:00 p.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Gretchen Wall (Vice Chair), Cameron Bardsley (PDG Student Liaison).

#### Old Business:

- The PDG welcomes Gretchen Wall as new Vice Chair of the PDG. The PDG will be holding elections for the next Vice Chair in May 2020 electronically. Contact Gretchen or Humberto with nominations and contact information. Self-nominations can be made.
- The 2018 meeting minutes were adopted without changes.
- A webinar was hosted by the PDG in June 3, 2019 and was attended by 149 individuals. The report covered key outcomes from a USDA Economic Research Service report published in August 2018 'Before Implementation of the Food Safety Modernization Act's Produce Rule: A Survey of U.S. Produce Growers'. The recording is posted on the IAFP website.

#### New Business:

Kali Kniel provided the Executive Board Report. Historically, the FVSQ PDG provides a series of updates to the members, which are outlined below.

1. **Regulatory Update: FSMA Produce Rule Implementation – Dr. Samir Assar.**

General inspection approach: education focused while regulating. Fostering consistency is very important and accomplished through communication and proper training (shadowing), to ensure a consistent roll-out across all farms. FDA will be addressing common issues going forward and making information available through informed research and policy development



decisions. For example, challenges have been noted in grower's compliance with Subpart L (equipment, buildings, tools, and addressing harborage sites) and recordkeeping requirements. Disseminating training and outreach to international audiences remains a priority for FDA, including the development of PSA Trainers and Lead Trainers. Several policy decisions are still in deliberation by FDA including Subpart E (agricultural water), Subpart F (biological soil amendments of animal origin), farm definitions, and written assurances for processing activities. In addition, FDA is continuing to refine the Produce Safety Rule and Fresh Cut Produce draft guidance's released based on stakeholder feedback.

2. **Sprout Safety Alliance Update – Dr. Kaiping Deng.**

Over 90 sprout operations have been trained, including 138 individuals, 61 federal regulators (1 international), and 3 supermarket chain food safety managers. A focus has been placed on developing materials in other languages, including Spanish. The first Sprout Grower Training was conducted in Spanish in January 2019. No Spanish manuals are available yet, but the presentation slides are ready. Bilingual growers were asked to become trainers and to help identify other growers who needed to be trained. The SSA now has Spanish and Chinese trainers, but are currently in need of trainers with Vietnamese and Korean proficiency. On April 15, 2019, SSA partnered to host a webinar for water testing lab personnel titled "Water Testing Requirements of the Produce Safety Rule." Going forward, SSA plans to have a second webinar for testing labs as well as webinars with the International Sprout Growers Alliance (ISGA). SSA is also focusing on training for retailers and support for small sprout growers.

3. **Produce Safety Alliance Update – Dr. Betsy Bihn (unable to attend, provided by Gretchen Wall).**

The PSA will be hosting a special session on Monday, July 22 from 5:30–7 p.m. where additional information and updates will be provided. Training reports were reviewed; a total of 42,578 participants have attended PSA Grower Trainings and 2,672 individuals have attended the PSA Trainer the Trainer Course. Reports are conducted quarterly and available by request on the PSA website. All 50 states have hosted PSA Grower Trainings. The PSA will be hosting fewer PSA Train-the-Trainer Courses due to lack of demand, so interested individuals are encouraged to attend the courses currently registered. New team member, Dr. Laura Acuna-Maldonado, was hired in October 2018 as the Spanish Extension Associate for the PSA and has been working on initiatives for Spanish-speaking audiences domestically and internationally. She recently translated and helped to launch the PSA's website in Spanish ([es.producesafetyalliance.cornell.edu](http://es.producesafetyalliance.cornell.edu)). The PSA will be announcing the availability of a manual Version 1.2 shortly (currently in English, soon to be translated in Spanish). There has been significant progress in disseminating training, but there are still many growers who need trained. In addition, FDA

updates, announcements, and the commencement of inspections underscore the need for educators to continue providing outreach to the growing community. International training has been progressing and the PSA has plans to translate curriculum materials in Mandarin Chinese, Haitian Creole, and through collaborator proposals, Korean and Thai/Ilocano. In the next year, PSA will be focusing on developing advanced training materials and workshops for PSA Trainers and Lead Trainers. The PSA thanks all individuals for their efforts in providing education and outreach to produce growers.

4. **Overview of Foodborne Outbreaks since last IAFP meeting – Kate Kreil:**

Since the last meeting, there have been 26 outbreaks, with 10 linked to produce commodities. Seven of these outbreaks had known vehicles and three were unknown. One outbreak of interest was the *E. coli* O157:H7 in romaine which trace-back identified a reservoir sample with a strain very similar to outbreak strain. There also was a *Cyclospora* outbreak associated with salads and veggie trays. The salad was determined to be grown locally, and carrot samples were determined to be grown internationally. *Listeria monocytogenes* was also found in avocados and *Salmonella* outbreaks occurred in cucumber, papaya, melons, onions, cilantro, and basil. PDG members will be delivering presentations at the Annual Meeting on several of these outbreaks.

**Other New Business:**

- Reminder to log in to IAFP Connect as the PDG will be using the online platform more in the future for PDG communications. Next year, the PDG will also be pursuing a remote way to participate in the PDG meeting (e.g., Zoom) for those who are not able to attend the Annual Meeting.
- If there are any specific webinar ideas or suggested speakers, please reach out to Humberto or Gretchen to coordinate. The PDG no longer needs to find sponsorship to host webinars as the IAFP Foundation now assumes this cost.
- It was proposed and agreed upon by the PDG to host a teleconference in early September to discuss and refine PDG symposia and workshop proposals. Gretchen will follow up with more information after the annual meeting.
- Cameron Bardsley, the PDG's student liaison, provided an update on behalf of the IAFP Student PDG. Participation in the student mentoring program was successful in 2019 and continues to match professionals in the industry with students for the upcoming year.
- At the end of the meeting, PDG members brainstormed ideas for symposia and roundtables and broke out into groups for further discussion. See Addendum A for preliminary topic ideas. These topics will be refined during the September 2019 conference call.

## Recommendations to the Executive Board:

1. The PDG would like to propose to the Board that the IAFP Connect online platform be developed into an app for use on cell phones and tablets. This could be sponsored by industry to off-set the costs of development and make the platform more likely to be used by members.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 2:40 p.m. (break-out groups continued to meet).

**Chairperson:** Gretchen Wall.

## HACCP Utilization and Food Safety Systems

**Names of Attendees:** Deann Akins-Lewenthal (Chair), Fatemeh Ataei (Vice Chair), Hamada Aboubakr, Basel Al Jaber, Ali Alkathiri, Mohamed Alshamsi, Pablo Alvarez, Claudio Andrade, Fatemeh Ataei, Angela Aucoin, Charles Bashiru Bakin, Mikio Bakke, Kara Baldus, Takiyah Ball, Pratik Banerjee, Glenn Bass, Tom Black, Samantha Bradley, Anne Carr, Caio Carvalho, Marion Castle, Claudia Coles, Frederick Cook, Sally Crowley, Michelle Danyluk, John David, Park Dong Woo, Jeanne Duckett, Lise Duran, Abdul Azeez Ebrahim, Alejandro Echeverry, Hadda Faye, Aliyar Fouladkhah, Tia Glave, Leena Griffith, Ahmed Hammad, Xiaoxu Han, Eleanor Hanson, Dennis Harp, Abdoulie Jallow, Lone Jespersen, Hetal Joshi, Suwimon Keeratipibul, Kathy Knutson, Luke Laborde, Loralyn Ledenbach, Vickie Lewandowski, Nathan Libbey, Nathan Libbey, Siman Liu, Xiyang Liu, Tatiana Lorca, Yuqian Lou, Suzanne Mailman, Yvonne Masters, Molly Mills, Mark Moorman, Sara Mortimore, Marcia Murphy, Adeniyi Odugbemi, Omar Oyarzabal, Xiaoyan Pei, Michael Peralta, Brian Perry, Richard Podolak, Tanya Roberts, Robert Roe, Sofia Santillana-Farakos, Dina Scott, Girdhari Sharma, Nicola Sharman, Shreya Singh Hamal, Katie Swanson, Abigail Villalba, Carol Wallace, Joyce Wert, Pamela Wilger, E. Noelia Williams, Bruno Xavier, Zhinong Yan, Ming Zeng, and Bingzhuo Zhao.

**Number of Attendees:** 81.

**Meeting Called to Order:** 9:00 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Fatemeh Ataei.

**Old Business:** The agenda was reviewed and approved and last year's minutes were voted on and approved by the group.

### New Business:

- Glenn Bass – Learnings from FDA inspections.  
Glenn Bass updated the group on the number of PC inspections the FDA has completed and is scheduled to complete this calendar year. He discussed that FSVP inspections are being completed by two ORA groups (Human and Animal Food operations and OEIO). In 2020, the office of enforcement and import operations will do all FSVP inspections. Glenn also discussed how firms are being added to full scope inspections, i.e., RFR, class 1 recall, outbreak investigation etc. and said that when

inspectors are performing seafood and juice HACCP inspections the only portion of FSMA that they can inspect on is the GMP portion. Lastly, Glenn discussed trends that his office is seeing in the field. FDA is providing guidance to inspectors that appendix A is guidance only; however there are many questions related to this during the inspection. Other trends include procedures that are not being followed and allergen cross-contact issues.

- Breakout Sessions:
  - Effective formats for HACCP/Food Safety plans.
    - How detailed should process flow diagram be?
    - How to deal with varying needs: FDA, USDA, juice HACCP, Seafood HACCP, PMO, LACF products, Acidified foods, plus GFSI requirements.
  - COAs and other requests from customers.
    - How do you respond to requests on validation information; requests for disclosure statements; what about FSVP; qualified auditors?
  - Online deliveries of food.
    - How to handle the HACCP/Food Safety plan.
  - 2020 Symposium Ideas were discussed and will be followed up on the next webinar.

## Recommendations to the Executive Board:

1. Continue to have the HACCP PDG and Food Safety Culture PDG meetings at different times.
2. Approve Fatemeh Ataei as Vice Chair.

**Next Meeting Date:** August 2, 2019.

**Meeting Adjourned:** 10:57 a.m.

## International Food Protection Issues PDG Meeting

**Attendees:** Ian Jenson (Chair), Deann Benesh (Vice Chair), Jennifer Acuff, Sultan Al Taher, Keith Amoroso, Bassam Annous, Peter Ben Embarek, Bob Brackett, Marion Castle, James Cook, Roger Cook, Sally Crowley, Heidi Den Besten, Nicola Dermer, Maria Teresa Destro, Francisco Diez-Gonzalez, Carianne Endert-Klaasen, Emilio Esteban, Francisco Garces Vega, Austin Gast, Tim Gillam, Leon Gorris, Fabiana Guglielmone, Arie Havelaar, Sunee Himathongkham, Lijun Hu, William Huntley, John Jarosh, Tony Jin, Ernest Julian, Issmat Kassem, Kali Kniel, Vanee Komolprasert, Barbara Kowalczyk, Bobby Krishna, Keith Lampel, Ivonne Litwin, Gilma Luna Cortés, Brittany Magdovitz, Deon Mahoney, Alejandro Mazzotta, David Melka, Rosetta Newsome, Leonard Ogomo, Haley Oliver, Ruth Petran, Allen Sayler, Jason Scheffler, Jenny Scott, Nicola Sharman, Juliana Simone, Manpreet Singh, Marianne Solomotis, Eric Stevens, Harshavardhan Thippareddi, Ewen Todd, Akhila Vasan, Carol Wallace, Jason Wan, E. Noelia Williams, Guodong Zhang, Tong Zhao, Kang Zhou, and Marcel Zwietering.

**Number of Attendees:** 64.

**Meeting Called to Order:** 2:30 p.m., Saturday, July 20, 2019.

**Minutes Recording Secretary:** DeAnn Benesh, Incoming Vice Chairperson.

## 1. Welcome and Introductions:

- Leon Gorris opened the meeting and welcomed the PDG members and guests. Leon explained that his term as Chairperson had come to an end and that Ian Jenson now would become the Chair of the PDG, and that DeAnn Benesh had been elected by the PDG members as the new Vice Chairperson.
- Ian Jenson assumed the role of Chairperson, and thanked Leon for his commitment to the PDG in his time as Chair.
- Roger Cook, Board Liaison, welcomed everyone to Louisville on behalf of the IAFP Board. He highlighted a few new things: Webinars will now be offered FREE – no need to find sponsors to support their funding, so we are encouraged to initiate more Webinars. Also, encouraged was the use of the IAFP Connect social media platform.
- Ian reminded the participants of the purpose of the meeting and presented the anti-trust guidelines and the proposed agenda.
- Attendees briefly introduced themselves.

## 2. Review of Agenda – Call for additional items

- Ian called for any additional items for the agenda. Roger Cook commented that it would be great to have Regulatory updates from other countries not on the agenda, but present in the room.
- Ian commented – the Board accepted our request to extend the PDG meeting to 3 hours, but we missed this point when setting this year's agenda. We will extend the meeting time in future meetings.

## Old Business:

### 3. Discussion/Adoption of the 2018 PDG Meeting Minutes:

- The minutes of the 2018 PDG meeting were accepted as printed in *FPT*. (Motion to accept Ewen Todd, seconded by Deon Mahoney.) Accepted.

## New Business:

### 4. Overview of IAFP 2019 program (Symposia and other Sessions of PDG relevance):

- An overview of the program was provided by Ian. Sessions of international interest were highlighted for each day – those either initiated by this PDG or that have an international aspect to them.

### 5. Short Updates on Food Safety developments from around the world:

- The Chairpersons had invited PDG members on the roster prior to the meeting to present an update.
  - Kang Zhou from FAO spoke about how low to middle income countries are affected the most by food safety concerns because they can also have issues with trade laws, their ability to handle illness when it occurs, etc.

The 1st FAO/WHO/AU International Conference on Food Safety was held in February in Ethiopia: theme – Future of Food Safety; and the International Forum on Food Safety and Trade in Geneva, Switzerland on 23–24 April 2019. The two international events brought together more than 1,500 food safety leaders from over 140 national governments and agencies, academia, international organizations and the private sector. They highlighted the integral role of food safety in achieving the 2030 Agenda for Sustainable Development, as well as in supporting the UN Decade of Action on Nutrition. An Annex will be posted in IAFP Connect for Further information.

- Peter Ben-Emberek from WHO, provided an update of activities of the International Food Safety Authority Network (INFOSAN). Greater than 100 food safety events were coordinated by INFOSAN and because of food chains and exportation, all involve more than 1 country. A Microbiological Risk Assessment Series for Micro and Chemical has been published. And, JEMRA's focus: STEC, *V. parahemolyticus* and *V. vulnificus* in seafoods, Micro risk assessment methodology update, micro water safety and quality. mobilize countries to put FS on their agendas.
- Bob Brackett, Director of IFSH, provided an update on FSPCA. The alliance was to come up with a standardized curriculum of FSMA requirements training for the industry – first for the Preventive Control rule, now for ALL rules. A technical assistance network has been initiated to answer questions from industry and there are plans to grow this group of experts internationally. Training has mainly been conducted in the U.S., Canada, China, Australia, Latin America, some European countries, and more needs to be done in Africa.
- Jason Wan announced the 5th APAC Food Safety International Conference – will be held in Hong Kong, November 4–5, 2019 (held every 3 years). There is a flyer about this in conference bag.
- Barbara Kowalczyk, from Ohio State University, provided an update on Food Safety initiatives funded by the Bill and Melinda Gates Foundation and United Kingdom AID (UKAID). The call was for approaches that would help low-middle income projects (mostly Africa and SEA). Four, 4-year projects focused in Ethiopia, 2 in other African counties. Asked for all projects to overlap and coordinate with each other. TATARE: Looking at *Salmonella*, EHEC, *Campylobacter* in raw beef and raw dairy – look at the value chains and interventions. FOCAL: EPI surveillance and control; ENSURE: prevalence of safe and

quality on milk and dairy products. Pull-Push: increase consumer demand to reduce burden of disease – 2 value chains (poultry and vegetables).

- Issmat Kassem, from the American University of Beirut provided a talk about Antimicrobial Resistance (AMR). Resistance is increasing and there aren't many alternatives in the pipeline. We are using larger quantities of antibiotics in food animal production than for human medicine. It is a global problem, because resistance moves with food, water, animals, and people. Issamat will work to prepare a session on this topic for next year's IAFP.
- Fabiana Guglielmo, Unilever, Argentina provided an overview of the 6th Symposium IAFP Latino 2019, held in Buenos Aires. Statistics from the Symposium: 8 lectures, 8 roundtables, 26 international speakers, 73 posters, 15 booths, 563 attending from 10 countries. It can be financially challenging for scientists from Latin America to be able to come to U.S., so these regional meetings are essential.
- Marcel Zwietering, mentioned and ICMSF Youtube Channel that has trainings available – some with have subtitles in several languages. There are 10 movies, each about 8 mins time. If you would like uploaded to another site, or wanted to add subtitles in your language, let him know.
- Marion Castle from New Zealand Food Safety Authority provides an update – their Food safety strategy has been updated, and they just finished implementation of newest food act. The new strategy has a focus on key organisms.

#### 6. IAFP 2020 Symposia:

- Preparing submissions to the program committee for IAFP's 2020 Annual meeting in Cleveland, Ohio (2–5 August, 2020) were discussed after highlighting what formats (Symposia, Roundtables, Technical Sessions, Workshops) were available. Ideally, proposals were on topics new and timely for IAFP and supported by multiple PDGs. Ian and DeAnn to start networking with other PDGs on Tuesday (breakfast of PDG leads). IAFP's deadline for full online submissions is October 1, 2019.
- This year 200 sessions were submitted and 88 accepted – for this PDG, 9 were submitted, 5 were accepted.
- There was discussion of what topics not accepted from last year and suggestions from membership survey could be taken forward as well as what new ideas were possible.
- Attendees were encouraged to work within the PDG and across PDG with others to join and develop the proposal ideas, and to look for topics that are of international significance and find international speakers.

- Proposers were requested to inform Ian and DeAnn of their proposal ideas (lead contact; other proposers; title; 2–3 line description; format; other relevant PDG) by Monday afternoon.
- The following proposals ideas were suggested:
  - Locating the root cause of *Salmonella*, *Listeria*, O157 in produce (it was mentioned that there is a CODEX group working on STEC attribution focused on red meat, dairy, produce – so there may have more information coming out of that for a session in 2021).
  - GMPs and hygienic zoning (monitoring) – regulatory codes of practice already out there. Correlating practices and PPE with zones vs overall plants.
  - Microorganisms – Africa and other countries.
  - Roundtable on the complexity of international foodborne outbreaks.
  - Transitions from science to regulatory implementation – how this is approached in other parts of the globe.
  - Model developed from the work in Africa that could be packaged and transferred to other parts of the world, like Asia, and Latin America. Transfer from higher income to lower income, but the cultural aspects need to be considered (eating raw beef). Lessons learned might be an interesting symposium. Approach can be disseminated but will differ based on social/cultural aspects.
  - Middle East/Mediterranean region: issues and initiatives.

#### 7. PDG Activities:

- Ian provided some information on the IAFP Connect website to allow members to communicate through the year (about 30% of room had used).
- List your suggestions on the IAFP Connect page to help solicit more input from other members.
- Ian proposed a project: the use of the PDG section of IAFP Connect to collect and share country profile information on food regulatory systems in each country. Ian has created a 2-pager of this for Australia. He encouraged others to put this together with a few people in your country. Ian will put up a template for use and provide Australia as an example for others to follow.

#### 8. Any Other Business:

- Ian reminded members that they can directly update their PDG affiliations online. All they need to do is log onto the IAFP website; click Edit Profile on the Member Dashboard, then the Professional Info tab. Select the PDG to join.
- Mentor program – matching students with industry professionals. If you would like to be a mentor, let Brittney Magdovitz (Student Liaison) or the Student PDG know.

- Webinar – perhaps a small group could sit together and work on webinar development for the PDG. Leon volunteered to lead this... additional ideas can be communicated via IAFP Connect to bring them to encourage others to participate and support.
- Translation – consideration for future IAFP meetings? Many presentations are recorded and there is software now for translation. Would need to ID Power Points that would be of largest interest. How to make our material more international. Many posters that are brought from other countries are created in their own language and then translated when they bring them – so they may already be available in other languages.
- Recruit more students from international to become members how to do? Create mentorship for those students who cannot afford to attend? – student awards for travel. IAFP foundation – increasing number of students that are sponsored, and anyone can apply.
- African affiliate meeting next week: Roger will take back to the Board. Start raising the issue of leftover copies of *Journal of Food Protection* to Africa. Start putting forward ideas on IAFP Connect.
- U.S. regulatory update on Monday – other suggestions/thoughts about how there updates that include other country updates platform – put on IAFP Connect your ideas of what you think would be the way to do this?

#### Recommendations to Executive Board:

1. That DeAnn Benesh be approved as Vice Chair of the PDG beginning at IAFP 2019.

**Next Meeting Date:** August 1, 2020 in Cleveland, Ohio.

**Meeting Adjourned:** 5:00 p.m.

**Chairperson:** Ian Jenson.

#### Low Water Activity Foods

**Attendees:** Pablo Alvarez (Chair), Larry Steenson (Vice Chair), Gary Acuff, Jennifer Acuff, Seun Agbaje, Nurul Ahmad, Keith Amoroso, Nate Anderson, Renee Anderson, Saif Arabi, Bennett Armstrong, Shaheen Banabeela, Pierre-Olivier Beal, Avery Becker, Thomas Bell, Larry Beuchat, Richelle Beverly, Yige Bima, Elise Binder, Tom Black, Nancy Bontempo, Luc Bourbonniere, Marlita Burford, Daniel Burnett, Scott Burnett, Zachary Cartwright, Caio Carvalho, Margolite Cesar, Erdogan Ceylan, Anindya Chanda, Hongda Chen, Long Chen, Larry Cohen, Frederick Cook, Sally Crowley, Ellison Cunningham, Nathan Decker, Jérôme Defillon, Martin Duplessis, Lise Duran, Teri Ehlinger, Elsa Fakhoury, Peyman Fatemi, Yaohua Feng, Elise Forward, Zhujun Gao, Francisco Garces Vega, Heather Garcia, Kerri Gehring, Muchigi Githii, Rachel Goeriz, Carly Gomez, Sarah Gooding, Mikayla Goodman, Vybhav Vipul Sudhir Gopisetty, Elizabeth Grasso-Kelley, Trey Harness, Linda Harris,

Gayan Hettiarachchi, Ian Hildebrandt, Ken Hill, John Holah, Dwayne Irvin, Rhoma Johnson, Alexander Josowitz, Kent Juliot, Jiin Jung, Susanne Keller, Amit Kheradia, Karim-Franck Khinouche, Donghyun Kim, Jeffrey Kornacki, Shira Kramer, Sakshi Lamba, John Larkin, Joe Legrand, Girvin Liggans, Joanne Lim, Siman Liu, Xiyang Liu, Zhuosheng Liu, Lisa Lucore, Maria Ma, Anna Mackay, Bradley Marks, Karina Martino, Taylor Mason, Yvonne Masters, Christine McIntosh, Molly Mills, Nathan Mirdamadi, Paul Mitchell, Gerardo Morantes, Carine Nkemngong, Jinhwa Park, Richard Park, Anita Peterson, Ruth Petran, Obie Pigeon, Richard Podolak, Mira Rakic Martinez, Bhargavi Rane, Aishwarya Rao, Cari Rasmussen, David Rasmussen, Sadhana Ravishankar, Frank Ridgley, Julianny Rivera Calo, Jena Roberts, Evan Rosen, John Russell, Sarah Sanderson, Sofia Santillana-Farakos, Aurora Saulo, Michele Sayles, Dan Schaffer, Manoj Shah, Arlette Shazer, Ryan Simmons, Guy Skinner, Naveen Kumar Srinivasa Murthy, Charles Staff, Philip Steinbrunner, Steve Stephens, Rachel Streufert, Quincy Suehr, Rico Suhalm, Greg Sutherland, Juming Tang, Aparna Tatavarthy, Abdullatif Tay, Brad Taylor, Arleen Tibayan, Heidi Tremblay, Aaron Uesugi, Vijay Vankar, Akhila Vasan, Tushar Verma, Xinyao Wei, Chris Wells, Pamela Wilger, Edith Wilkin, Anett Winkler, Niradha Withana Gamage, Dory Worcman Barninka, Shuang Wu, Jia Yan, Ren Yang, Kris Young, Mohamed Youssef, Cheng Zhang, Guodong Zhang, and Chee Zheng.

**Number of Attendees:** 153.

**Meeting Called to Order:** Sunday, July 21, 2019 at 2:00 p.m.

**Minutes Recording Secretary:** Soon Kiat Lau.

The agenda was presented and accepted.

#### Board Update:

Board update was previously sent by mail to the Chair and Vice Chair:

1. The IAFP Executive Board welcomes you to Louisville and IAFP 2019. We hope you enjoy the conference. Let us know if you need assistance or you can stop at the IAFP registration desk.
2. Webinars no longer need sponsorship due to the IAFP Foundation supporting the expense. We encourage PDGs to make use of webinars for symposia that were not able to be on the Annual Meeting program. Membership is required to view the recorded webinars.
3. Please make use of IAFP Connect for your PDG or Committee communications. You may also pose questions for colleagues to answer, post documents to share and discuss submissions for next year's Annual Meeting.
4. Use your Committee or PDG Liaison to assist you with questions for the Board or items for the staff.

#### Old Business:

2018 minutes were presented and accepted.

Reviewed PDG submissions for the 2018 program and the ones that were accepted for this annual meeting.

Reviewed Webinar organized by PDG LWAF members in 2018/19 – Dr. Bradley Marks' webinar had 600 registrants!

## New Business:

Elections: since it's the second year of Pablo Alvarez as Chair candidates for Vice Chair were asked. Election process will be done before the end of the year.

IAFP Connect and your PDG Community platform was presented and PDG members were encourage to use it as communication method.

Students in attendance (18) were recognized, and each one introduced themselves and gave a brief overview of their research. A list of students and their research interests will be compiled by Soon Kiat Lau and distributed.

Ideas for symposium topics were solicited from the membership, and 4 broad topic areas were identified for a parallel ideation session, which consumed the remaining meeting time. These were:

- EMP – Microbiome (Short symposium).
- Best Practices/Food Safety Plan (Roundtable).
- Validations and target reductions (Full/short symposium).
  - Work with Risk assessment/modeling PDG.
- Sanitation in LWAF environments.
  - Work with Sanitation PDG.

Four stations were set up and PDG members were encouraged to post their ideas at each. After the ideation session, volunteers presented the ideas from each area to the group, and groups were formed to further develop the symposia/roundtables.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 4:00 p.m.

**Chairperson:** Pablo Alvarez.

## Meat and Poultry Safety and Quality PDG

**Names of Attendees:** Wendy White (Chair), Matthew Taylor (Vice Chair), Melanie Abley, Emelia Adator, Jeremy Adler, Salman Aldosari, Abdulaziz Alhajeri, Sulaiman Aljasir, Ahmed Almessabi, Abdullah Almulhim, Abdulaziz Alzimami, Abdur Amin, Hany Anany, Martin Appelt, Terrance Arthur, Stan Bailey, Daniel Bair, Mikio Bakke, S. (Bala) Balamurugan, Kristina Barlow, Wendy Bedale, Siham Benribague, Angela Bernoski, Mark Berrang, Roy Biggs, Yige Bima, Preetha Biswas, Betsy Booren, Mick Bosilevac, Alex Brandt, Meikel Brewster, Shannon Bullard, Daniela Buosi, Dennis Burson, John Mark Carter, Anindya Chanda, William Chaney, Peter Cook, Roger Cook, Sally Crowley, Maeve Cushen, Carl Custer, Thomas Danisavich, Taylor Davedow, Ken Davenport, Nicola Dermer, Jim Dickson, Vincent Dinicolas, Martin Duplessis, Denise Eblen, Alejandro Echeverry, April Englishbey, Emilio Esteban, Glen Feller, Tracy Fink, Savannah Forgey, Gregory Fridman, Laura Garner, Mary Garner, Randal Garrett, Beilei Ge, Kerri Gehring, Ifigenia Geornaras, Kathleen Glass, Charles Grant, Nancy Gushing, Miguel Gutierrez, Susan Hammons, Margaret Hardin, Upasana Hariram, Jim Heemstra, Joe Heinzelmann, Craig Henry, Deborah Henry, Ian Hildebrandt, Garth Hoffmann, Clint Holsomback, Joe Holt, Katy Holzer, Stevie Hretz,

Richard Huang, David Isphording, John Jarosh, Ian Jenson, Thomas Junillon, Bernice Karlton Senaye, Suwimon Keeratipibul, Pete Kennedy, Larry Kohl, Mark Kreul, Craig Ledbetter, Wan Mei Leong, Quanhong Li, Cari Lingle, John Marcy, Carolina Mariano Ferraz, Bradley Marks, Barb Masters, Karl Matthews, Kathryn McCullough, Tammy McFate, Michael Michel, Nathan Miller, Rong Murphy, Tg Nagaraja, Claudia Narvaez, Shivasharanappa Nayakvadi, Hung Nguyen-Viet, George-John Nychas, Kathleen O'Donnell, Adeniyi Odugbemi, Yemi Ogunrinola, Andy Pointon, Brian Poon, Bill Potter, Jerry Reeves, Nuno Reis, Michael Roberson, Robert Roe, Edwin Roman Rivera, Amreeta Sarjit, Deborah Sattely, Jason Scheffler, Kristin Schill, Melissa Schlabs, John Schmidt, Kristen Scott, Dennis Seman, Manoj Shah, Subash Shrestha, Manpreet Singh, Shreya Singh Hamal, Thierry Sofia, Erika Stapp Kamotani, Tyler Stephens, Christine Stroh, Meredith Sutzko, Katie Swanson, Christy Swoboda, Theresa Thompson, Anna Townsend, Brian Umberson, Constanza Vergara, Roberta Wagner, Morgan Wallace, Xue (Caroline) Wang, Florence Wu, Shuang Wu, Season Xie, Crystal Yang, and Yifan Zhang.

**Number of Attendees:** 152.

**Meeting Called to Order:** 9:02 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Anna Townsend, Student Liaison.

**Introductions:** Betsy Boren, Past Chair, opened the meeting at 9:02 a.m. ET with a welcome. She then asked for a motion to approve the 2018 Meat & Poultry PDG meeting minutes; motion was moved by Matt Taylor and seconded by Ken Davenport; motion passed.

Wendy White, Chair, thanked Betsy for her service and reviewed the agenda. She then made introductions for Matt Taylor, incoming Vice Chair, and Anna Townsend, Student Liaison. Afterwards, the microphone was passed around the room for the attendees to introduce themselves. Wendy read updates on behalf of the IAFP Executive Board. Notable was the fact that webinars will now be complementary without need of a sponsor.

### Guest Speakers:

Betsy Boren, Past Chair, introduced our speakers, Denise Eblen and Roberta Wagner for the FSIS Regulatory Update.

### Denise Eblen, Assistant Administrator – Office of Public Health Sciences.

Two key points/roles:

1. Modernization (focusing on research and new technologies to guide food safety regulation).
2. Sampling and Testing.  
FSIS's has finalized their selection for pathogen testing platforms. Final decision: 3M's Molecular Detection System for *Salmonella* and *Listeria monocytogenes*, Bio-Rad's iQ Check PCR for *E. coli* STECs, and Hygiena BAX for *Campylobacter*. There have been no changes to cultural confirmation testing.

In 2019, FSIS began to rely more heavily on WGS compared to PFGE.

There have also been updates on food chemistry testing by adding arsenic and updates on dyes in catfish.

**Roberta Wagner, Assistant Administrator – Office of Program & Policy Development.**

FSIS Policy Regulatory Agendas are available in the spring and fall [www.reginfo.gov](http://www.reginfo.gov).

- Will begin accrediting non-federal labs for pathogen detection (new); currently only do chemistry.
- Several new regulations and guidance documents will be released by year's end (movement of adulterated/misbranded products, generic labeling update, modernization of swine and egg inspection, update on uninspected animal food production, etc.).
- There are several guidance documents scheduled to be released soon, including updates to Appendix A & B.

Review of performance standards and recent agency testing results:

- Chicken and turkey product performance standards for *Salmonella* and *Campylobacter* testing. There are plans to revise the *Campylobacter* standards for comminuted chicken and turkey products in a few months.
- Last year, FSIS introduced a new method of *Campylobacter* testing utilizing buffered peptone water. This practice was halted after inconsistent recovery was observed and testing returned to the original enrichment method.
- *Salmonella* Performance Standards: Raw Poultry.  
Chicken Carcasses: 13.9% Cat 3.  
Turkey Carcasses: 0.0% Cat 3.  
Chicken Parts: 14.8% Cat 3.  
Comminuted Chicken Parts: 34.6% Cat 3.  
Comminuted Turkey Products: 46.5% Cat 3.  
May 27, 2018 – May 25, 2019 (52 week window).
- Non-Categorized Establishments by Product Class.  
Chicken Parts: 38.66%.  
Comminuted Chicken: 29.73%.  
Comminuted Turkey: 23.21%.  
Chicken Carcasses: 8.33%.  
Turkey Carcasses: 17.39%.  
Chicken parts: Non-categorized establishments represent only 3.2% of total U.S. parts production.
- Ground beef and trim performance standard testing. Plans to institute *Salmonella* performance standards for raw, ground beef before year's end.
- Raw Pork Products Study Results.
- 4,014 Samples collected 2017–2018: 3 product groups (intact, non-intact bone-in, boneless, comminuted). Tested for *Salmonella*, APC, generic *E. coli*. Subset (n = 1395) tested for STEC.
- *Salmonella*.  
Comminuted: 21.2% (1796).  
Intact: 8.3% (1170).  
Non-Intact: 6.5%.  
Total: 13.6%.

- STEC (n = 1395).  
Comminuted: 3 positive/1395.  
2:O103, 1:O157.
- Plans to propose *Salmonella* performance standards for pork products in 2020.
- Future expansion of *E. coli* Non:H7 STEC testing in ground beef planned. Will release notice and take comments in next few months.

**Old Business:** None.

**New Business:** Wendy White and Matt Taylor led an attendee-wide discussion which generated many ideas for 2019–2020 webinars and symposia/roundtable ideas for the 2020 IAAP Annual Meeting.

**Recommendations to the Executive Board:**

1. Approve Matt Taylor as Vice Chair.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 11:37 a.m.

**Chairperson Name:** Wendy White.

**Microbial Modelling and Risk Analysis  
PDG Meeting**

**Attendees:** Balasubrahmanyam (Bala) Kottapalli (Chair), Panos Skandamis (Vice Chair), Seun Agbaje, Alberto Aguayo-Acosta, Deann Akins-Lewenthal, Mohammad Alam, Leen Baert, S. (Bala) Balamurugan, Michael Batz, Avery Becker, Amber Beckett, Aaron Beczkiewicz, Alexandra Belias, Yige Bima, Luc Bourbonniere, Fred Breidt, Brianna Britton, Sharon Brunelle, Daniela Buosi, Anne Carr, Yuhuan Chen, Vijay Chhetri, Ruplal Choudhary, Anika Chowdhury, Shahidullah Chowdhury, Angel Conde, Alison Cousins, Maeve Cushen, Hossein Daryaei, Atin Datta, Kris De Smet, Heidi Den Besten, Marie-Hélène Dufresne, Lise Duran, Joe Eifert, Mariem Ellouze, Glen Feller, Eduardo Franco Frias, Francisco Garces Vega, Heather Garcia, Donna Garren, Ariel Garsow, Tim Gillam, Angelica Godinez Oviedo, Rolando Gonzalez, Leena Griffith, Stephen Grove, Jiewen Guan, Ahmed Hammad, Xiaoxu Han, Sophia Harrand, Arie Havelaar, Erin Headley, Montserrat Hernández Iturriaga, Ian Hildebrandt, Lijun Hu, Lihan Huang, Xiaoping Huang, Barbara Ingham, Bulbul Jain, Vijay Juneja, Jiin Jung, Md Niamul Kabir, Jessica Kassuelke, Mark Kazmierczak, Albert Koelmans, Barbara Kowalczyk, Kento Koyama, Adam Kramer, Brian Kraus, Michele Kubista, Vickie Lewandowski, Chao Liao, Siman Liu, Xiyang Liu, Zhuosheng Liu, Bradley Marks, Sherri McGarry, Maia McNair, Jose Merino Mascorro, Barry Michaels, Hansel Mina, Abhinav Mishra, Sheri Morgan, Benjamin Morrow, Roza Nguyen, Hung Nguyen-Viet, Joyce Njoroge, Prachi Pahariya, Greg Paoli, Mickey Parish, Jinhwa Park, Anne-Marie Perchech-Merien, Fernando Perez-Rodriguez, Ruth Petran, Hannah Pilch, Brian Poon, Bill Potter, Abani Pradhan, Felix Ramos Guerrero, Bhargavi Rane, Surabhi Rani, Tanya Roberts, Joyjit Saha, Joelle Salazar, Sofia Santillana-Farakos, Donald Schaffner, Kristin Schill, Xianming Shi, Subash Shrestha, Ryan

Simmons, Nitya Singh, Shreya Singh Hamal, Ben Somerton, Charles Staff, Matthew Stasiewicz, Quincy Suehr, Rico Suhaim, Juming Tang, Abdullatif Tay, Clare Thorp, Xuwen Wieneke, Dory Worcman Barninka, Sophie Wu, Chee Zheng, Kang Zhou, and Marcel Zwietering.

**Number of Attendees:** 127.

**Meeting Called to Order at:** 3:15 p.m., Sunday July 21, 2019.

**Minutes Recording Secretary:** Panos Skandamis.

#### **Welcome and Introduction:**

Chair Bala Kottapalli welcomed attendees and reviewed the meeting agenda partially.

#### **Greetings/Announcements from IAFP Executive Board:**

The following committee and PDG announcements were made via email by Didi Loynachan:

1. The IAFP Executive Board welcomes you to Louisville and IAFP 2019. We hope you enjoy the conference. Let us know if you need assistance or you can stop at the IAFP registration desk.
2. Webinars no longer need sponsorship due to the IAFP Foundation supporting the expense. We encourage PDGs to make use of webinars for symposia that were not able to be on the Annual Meeting program. Membership is required to view the recorded webinars.
3. Please make use of IAFP Connect for your PDG or Committee communications. You may also pose questions for colleagues to answer, post documents to share and discuss submissions for next year's Annual Meeting.
4. Use your Committee or PDG Liaison to assist you with questions for the Board or items for the staff.

#### **Adoption of 2018 PDG Minutes:**

Minutes from the 2018 meeting were tabled for comments or edits. There were no edits. Motion to adopt the minutes by Bala Kottapalli, seconded by Yuhuan Chen. Minutes adopted.

#### **Election of Vice Chair:**

Proposal was made for rotation of Vice Chairs (VC) between government, industry, academia in the States and the rest of the world. For the upcoming year (2019–2020), the priority for the next VC would be the regulatory authority and then from the industry, both from the States.

#### **Matters Arising from 2018 PDG Meeting:**

No matters were discussed.

#### **Updates from SRA, MRA Specialty Group and ICPMF Committee:**

Dr. Abani Pradhan provided the vision statement for SRA. He indicated that SRA is a multidisciplinary, interdisciplinary, scholarly, international society that provides an open forum for all those who are interested in risk analysis. SRA has several specialty groups one which is Microbial Risk Analysis Specialty Group (MRASG). The MRSAG

focuses on public health risks associated with a variety of biological hazards. Different activities of MRSAG include: (1) Sponsor/organize symposia, technical sessions, posters at SRA annual meeting (2) Organize webinars (3) Encourage students – Specialty Group student merit award competition and (4) Facilitate communications and networking (e.g., LinkedIn subgroup). The upcoming 2019 SRA Annual Meeting will be held December 8–12, 2019 in Arlington, Virginia. For more information relating to SRA, please contact Amir Mokhtari (Amir.Mokhtari@fda.hhs.gov).

Dr. Mariem Ellouze gave an overview of ICPMF activities. The mission of ICPMF is to catalyze the development of predictive modelling in foods, primarily through advancing the success and sustainability of the bi-annual ICPMF conferences. ICPMF organized a symposium and a software fair in 2017 in Tampa with a great success. Another Symposium and Software Fair is taking place during the current annual meeting (Tuesday 7/23/19 from 1:30 p.m. to 5:15 p.m. in Louisville, KY. Furthermore, a series of other relevant activities was reported, including: (a) two software Fair sessions at the last FoodMicro meeting in September 2018 (9 software, 50 attendees), in Berlin and at the Dubai International Food Safety Conference in October 2018 (5 software tools, 40 attendees), (b) a series of predictive modelling and Risk assessment workshops with the Danish authorities (06/13/19), or in Spain (scheduled for November, 12–14, 2019 in Spain), an ICPMF sponsored workshop in India (planned for the 2nd quarter of 2020) and a South Africa workshop, scheduled for the 3rd quarter of 2020. The committee has created newly a webinar group that can liaise very well with our PDG and already 5 webinars are discussed or planned for 2019 and 2020. The next conference ICPMF will be in Braganza, Portugal 17–30 September 2019. More information about ICPMF can be obtained by contacting [contact@icpmf.org](mailto:contact@icpmf.org).

#### **Guest speaker:**

Shigenobu Koseki, Ph.D. (Associate Professor, Agricultural and Food Process Engineering, Hokkaido University), Title: *Stochastic Approach for Prediction of Bacterial Inactivation*.

Highlights of the presentation:

Title: Stochastic approach for prediction of bacterial inactivation.

#### (a) Introduction:

- D value log-linear inactivation, but non-linearities may occur, due to variability in inactivation times.
- All phenomena can be described via stochastic process, via probability distribution. Bacterial
- inactivation can be described as a stochastic process.
- Variability considered includes that in:
  - a. The initial cells.
  - b. Inactivation time.
- Number of initial cells follows Poisson and is an independent process. By describing variability in inactivation time you may translate that in variation in survivors at each time interval.



- Examples of Weibull-based inactivation curves. Linear, upward concavity ( $P < 1$ ), downward concavity ( $P > 1$ ).

(b) Stochastic simulation of inactivation:

- Data from Aspridou and Koutsoumanis 2015. Inactivation time converted to CPD of bacterial death (No-Nt)/No, resulting in PDF of time to inactivation. Publication by Koyama et al. 2019, *J. Theor. Biology* 469, 172–179.
- He showed survival curves with shoulder or not having incorporated the variability of time to inactivation at low population levels even of the variability in inactivation is low at high populations (i.e., from 6 to 3 log CFU/g).
- He simulated stochastic inactivation lines for high and low initial population compared to the data from Aspridou and Koutsoumanis 2015.
- Then a demo of the R-based software (and Python) was shown for the stochastic simulation of inactivation for different Weibull shape parameter values was demonstrated both with the script and the figures.

(c) Simulating inactivation by assuming random distribution of survivors, in an independent process:

- Inactivation is approached via mathematical calculation and compared to stochastic simulation. Paper by Abe et al. 2019. *Food Microbiol.* 82, 436–444. Simulations were compared with laboratory data of *Salmonella* inactivation at pH 2.5 (data from Aspridou and Koutsoumanis 2015).

**Take away messages:**

- To calculate the probability of surviving population numbers by conventional kinetic Weibull fitting parameters. Enable the calculation of survival cell numbers in stochastic way. Dr. Koseki showed curves of rate of survival cell count vs CFU. Again the script and graphical output of simulations [e.g., survival probability vs heating time (s)] was shown for varying values of shape Weibull parameters for inactivation curves.
- To convert kinetic parameters from conventional data sources (e.g., Combase) into stochastic simulations of inactivation (also encompassing the single cell inactivation time) – saving experimental time and research money.
- Calculate uncertainty and variability in fitting curves: at high populations, the uncertainty is stronger as opposed to low populations, where variability is stronger than uncertainty.
- He prompted audience to attend technical presentation. Dr. Koseki acknowledged his students and colleague Hiroki and Kenzo.

**Some questions to the speaker and his answers are appended below:**

1. Can this be applied also under dynamic conditions?  
Answer: YES see technical presentation during IAFP meeting.

2. If COMBASE data are not available then what?  
Answer: You fit the deterministic model and you add the variability afterwards.

**MMRA PDG Student Award**

Bala explained the process of expert panel composition and selection of abstracts. He also called up the expert judges to be recognized by the audience. Briefly the process is as follows:

- The Expert Panel consisted of 7 experts, recognized scientists from Academia, Industry and the Authorities, also members of the PDG.
- Abstract Selection Process:
  - Round 1: Three groups of panelists reviewed 30 abstracts and each group. Recommended top 2 abstracts.
  - Round 2: Top 6 abstracts were reviewed by all panelists.
- Criteria for selection (Round 1):
  - Abstract – Clarity, comprehensiveness and conciseness.
  - Scientific Quality – Adequacy of experimental design (methodology, replication, controls), extent to which objectives were met, difficulty and thoroughness of research, validity of conclusions based upon data, technical merit and contribution to science.
- Criteria for selection (Round 2):
  - Abstract clarity and scientific quality is average level.
  - Abstract clarity and scientific quality is above average level.
  - Abstract clarity and scientific quality surpasses average level and merits an award.
- Winner was notified.
- Winner to receive certificate.

Bala also acknowledged the following members for their help and support in determining the MMRA PDG Student award:

- Dr. Marcel Zwietering, Wageningen University & Research.
- Dr. Yuhuan Chen, FDA-CFSAN.
- Dr. Mariem Ellouze, Nestle.
- Dr. Sofia Santillana Farakos, FDA-CFSAN.
- Dr. Fernando Perez-Rodriguez, University of Cordoba.
- Dr. Panagiotis Skandamis, Agricultural University of Athens.
- Dr. Bala Kottapalli, Conagra Brands.
- IAFP Board.
  - Tamara Ford.

Finally, Bala presented the award and gave the floor to the recipient Shraddha Karanth, who gave a 5 min. presentation.

Highlights of awarded student presentation:

- 156 *Salmonella* GenomeTrakr isolates.
- *De novo* assembly – SPAdes v.3.13.0.
- Protein-coding gene prediction – Prodigal.

- Phenotypic characterization – virulence, stress response.
- Clustering for virulence profile determination.
- Cluster prevalence estimation – Poisson regression model.

Main results:

Differentially expressed protein-coding virulence genes from the variable region, primarily belonging to SPI-6, 7, 10-12, and 16-19.

Concluding remarks:

- Considerable inter- and intra-serovar heterogeneity observed in virulence and stress-response profiles of *Salmonella* allowed for clustering based on presence/absence of specific virulence and stress response genes.
- Application into forecasting models indicated cluster-specific temporal trends and seasonality.

**IAFP 2019 accepted proposals for roundtables, special event and symposia (Sponsored by MMRA PDG).**

10 out of 13 proposals for symposia, roundtables or workshop were accepted and listed as follows:

Topic title:

- *Campylobacter, Health Impact, Performance Objectives and Effectiveness of Sampling Plans (Symposium, Primary Contact: Marcel Zwietering).*
- *Back to the Future: What Do Decision Makers Want to Know or Need to Know about Managing Chemical Risks in Foods? (Symposium, Primary Contact: Yuhuan Chen).*
- *Challenges of Campylobacter Detection and Control (Symposium, Primary Contact: Nabila Haddad/Heidy Den Besten).*
- *Future Pains: Assessing the Long-term Consequences of Foodborne Exposure to Microbial and Chemical Hazards (Symposium, Primary Contact: Barbara Kowalczyk).*
- *Water Re-use in Food Processing Industry. It's Inevitable! (Symposium, Primary Contact: Elisabetta Lambertini).*
- *Application of Principles of Failure Mode Effects Analysis (FMEA) for Effective Verification and Implementation of Food Safety Plans (Symposium, Primary Contact: Aaron Uesugi).*
- *Software Fair (Symposium followed by Special Event, Primary Contact: Mariem Ellouze).*
- *Pushing the Ball Forward for Agricultural Water (Workshop, primary Contact: Dan Stoeckel).*
- *Attributing Illnesses to Food Sources in the Face of Uncertainty (Symposium, Primary Contact: Michael Bazaco).*
- *A New Paradigm: Cutting Pathogens off at the Pass by Understanding Their Evolution Dynamics (Symposium, Primary Contact: Pushpinder Litt).*

**Roundtables, Symposia, Workshops and Webinars – Ideas for 2020:**

Proposal submission due on October the 1st, 2019.

- i. Re-cap symposia and workshops in 2018 proposed by members/sponsored by MMRA PDG.
  - People do mention our sponsorships without contacting. For symposia proposal sponsorships, please contact Bala and Panos. For receiving PDG support, please be timely with your request, the latest 48 hours before closing. Some symposia with our PDG marked as primary sponsored during submission do not acknowledge the PDG in the final program. Please indicate MMRA PDG sponsorship in the submission process (if received support from MMRA PDG).
- ii. Discussion on ideas for 2019: considering cutting-edge information not previously presented; international perspectives on various issues (Formats: roundtables, technical symposia, pre-meeting interactive workshops).
  - Computational modelling (industry to be updated).
  - Marcel: All aspects that need to be included (identify flaws, proper assumptions, etc.) when performing a QMRA or laboratory experiment, or paraphrasing literature, or assumptions in statistical testing (webinar, roundtable, symposia).
  - Yuhuan: Machine learning, automation, how the new trends/thinking may help us do QMRA, or show potential limitations – exploring in this area.
  - Heidy: Variability estimation, approaches to calculate variability make use of variability in decision making and regulatory authorities.
  - Tania Roberts: Interested in data issue from industry, how do we create a more robust data system to use data (sharing, confidentiality) – how do we handle.
  - Yuhuan: Roundtable with 6 panel members on software tools for risk-based thinking, risk-reduction mindset, encompassing practical use of these tools.
  - Bala encouraged proposers of symposia that were rejected in 2019 to revise and re-submit their proposals for 2020.
  - Member from Vietnam: QMRA between developed and developing countries – possible webinar or online platform to discuss knowledge transfer on QMRA between the above.

Proposal leads can contact other PDGs, and send in before October 1st (and to the PDG before end of September if sponsoring is desired). The Chair/Vice Chair can serve as a liaison(s) to other PDGs to strengthen the symposium proposals and avoid overlapping – e.g., reach out chemical and allergen PDG.

**Webinars and other communications:**

- Already two webinars were held in 2019.
  - a. How to Integrate – OMICS in Risk Assessment (March 2019).

- b. Applying Behavioral Economics to Model the Threads of Food Fraud (April 2019).
- Potential webinar topics 2019–2020/Volunteers. The list of events that have taken place so far was shared with the PDG to facilitate discussion between members and motivate ideas.

#### Any Other Business:

The Chair and Vice Chair of the PDG ask the members to express their interest to serve as judges (or nominate other members) for evaluating student abstracts that will receive certificate of presentation in the PDG committee.

#### Recommendations to the Executive Board:

1. Maintain the student recognition award.
2. Stress it to during the Chair/Vice Chair meeting.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned at:** 5:05 p.m.

**Chairperson:** Bala Kottapalli.

### Pre Harvest Food Safety PDG

**Attendees:** Peyman Fatemi (Chair), Issmat Kassem (Vice Chair), Achyut Adhikari, Bassam Annous, Martin Appelt, Uma Babu, Adam Baker, Alexandra Belias, Briana Burke, Kellie Burris, Michelle Carter, William Chaney, Vijay Chhetri, Shannon Coleman, Sean Craig, Maeve Cushen, Diane Ducharme, Kevin Edwards, Kevin Edwards, Savana Everhart, Oscar Galagarza Angulo, Samantha Gartley, Austin Gast, Rachel Goeriz, Lisa Gorski, Jiewen Guan, Yun-Yun, Diana Hao, Dennis Harp, Linda Harris, Jani Holopainen, Katy Holzer, Dwayne Irvin, Calloway Jamerson, Shivaramu Keelara, Alyssa Kelly, Sung-Youn Kim, Vaneer Komolprasert, Mahipal Kunduru, Pushpinder Litt, Amanda Manolis, Claire Marik, Karl Matthews, Jessica Meisinger, Mark Moorman, Tg Nagaraja, Amber Nair, Shivasharanappa Nayakvadi, Alexis Omar, Jitu Patel, Esa Puntch, Brendan Ring, Robert Roe, Robert Sakata, Rodrigo Santibanez, Brad Taylor, Theresa Thompson, Phillip Tocco, Veerachandra Yemmireddy, Guodong Zhang, and Yifan Zhang.

**Number of Attendees:** 60.

**Meeting Called to Order:** 9:07 a.m., Sunday, July 21, 2019.

#### Welcome and Introductions:

- PDG attendees were welcomed to the meeting.
- The Chair, Peyman Fatemi, and Vice Chair, Dr. Issmat Kassem were introduced.
- Attendees were introduced.
- The Association Anti-trust Guidelines were read over.

#### Old Business:

- Minutes from IAFP 2018 were approved.

**Presentation** – “Improved *Salmonella* Detection from Primary Production Samples (PPS) Using Multiplex PCR Methodology” – Jani Holopainen – Sr. R&D Manager, Molecular Food Protection – Thermo Fisher Scientific.

#### New Business:

- PDG members should ensure their company is allowing external emails from the PDG. Members should also ensure their email addresses are current.
- Around 50% of members voted for the new Vice Chair position.
- Webinars are being sponsored by the IAFP Foundation; therefore, if anyone has webinar ideas, please send them to the Chair and Vice Chair. The Pre Harvest PDG is planning on having 1–2 webinars between the 2019 and 2020 Annual Meetings.
- There are 5 symposia/roundtables at IAFP 2019 that are being sponsored or co-sponsored by the Pre Harvest PDG.
  - S38 – When the *Enterobacteriaceae* Hits the Fan: Wind and Particulate-associated Distribution of Foodborne Pathogens. Tuesday, July 23, 10:45 a.m.–12:15 p.m. Ballroom B.
  - S67 – Antibiotic Reduction, Alternatives, and the Relationship to Food Pathogen Outbreaks. Wednesday, July 24, 1:30 p.m.–3:30 p.m. Ballroom B.
  - T1 – Technical Session 1 – Pre Harvest Food Safety and Produce. Monday, July 22, 8:30 a.m.–12:15 p.m. Room M104.
  - RT19 – Improving Post-mortem Inspection of Beef for Human Health Protection – Wednesday, July 24, 8:30 a.m.–10 a.m. Room M108.
  - RT2 – Today’s RTE Redefined – Managing Environmental Controls and the Risk of the “Reasonably Foreseeable.” Monday, July 22, 1:30 p.m.–3:00 p.m. Room M100.
- If another PDG is co-sponsoring a roundtable or symposia, submitters need to ask and confirm their sponsorship before adding them as a co-sponsor on the submission.
- October 1, 2019 is the deadline for submitting roundtables or symposia.
- Savana Everhart (sleverh2@ncsu.edu), the Pre Harvest Student Liaison, went over Student PDG updates. She also went over ways the PDG can get involved with the Student PDG.
- There was an open discussion for roundtables/ symposia. The following topics were brought up:
  - Rodrigo Santibanez (rodrigo.santibanez@merck.com) – Perceived animal welfare and how that relates to food safety (ex. Cage-free eggs and increase in *Salmonella* prevalence).
  - Issmat Kassem with University of Georgia – *Campylobacter* spp. in the pre-harvest environment and the international impact, especially in children.
  - Kevin Edwards with SGS – Microbiological/chemical concerns with spices (allergens, pesticides, pathogens).

- Kevin Edwards with SGS – Cross-interest with Seafood PDG for aquaculture with antibiotic/antiviral stewardship and consumer, perception, and policy.
- Peyman Fatemi (peyman.fatemi@achesongroup.com) – information on low- and middle-income countries as related to pre-harvest food safety.
  - Rodrigo Santibanez expressed interest in helping with this topic.

#### Recommendations to the Executive Board:

1. Approval of Dr. Issmat Kassem for the Vice Chair of the PDG.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 10:02 a.m.

**Chairperson:** Bassam Annous, Outgoing Chair; Peyman Fatemi, Incoming Chair.

### Retail and Food Service PDG

**Attendees:** Tom Ford (Chair), Eric Moore (Vice Chair), Bryan Ames, Abdur Amin, Jeff Anderson, Christine Andrews, James Arbogast, Fatemeh Ataei, Pratik Banerjee, Rick Barney, Betsy Booren, Mick Bosilevac, Chris Boyles, Brianna Britton, Patrick Brown, Veronica Bryant, Francie Buck, Laura Bunyan, Jack Burnett, Kenedy Callaway, Melissa Campbell, Komita Carrington, Emily Chuang, Pam Coleman, Kelden Cook, Carl Custer, Ken Davenport, Kathryn Davis, Park Dong Woo, Minh Duong, Brian Shawn Eblen, Jeff Edelen, Melanie Firestone, Bob Forner, Oscar Galagarza Angulo, Donna Garren, Mary Alice Gettings, Tim Gillam, Tia Glave, Viswanathan Gopalkrishnan, Julian Graham, Leena Griffith, Dale Grinstead, Stephen Grove, Sanjay Gummalla, Steve Hails, Lisa Hainstock, Susan Hammons, Cory Hedman, Paula Herald, Richard Huang, Sharon Humphries, Kris Ingmundson, Lee-Ann Jaykus, Marjorie Jones, Chris Jordan, Kali Kniel, Larry Kohl, Adam Kramer, Bob Kramer, Glenda Lewis, Girvin Liggans, Jeffrey Lindholm, Pushpinder Litt, Chip Manuel, Jim Marks, Eric Martin, Rachel McEgan, Christine McIntosh, Maia McNair, Ann Marie McNamara, Hansel Mina, Jeff Mitchell, Mark Moorman, Gina Nicholson Kramer, Carine Nkemngong, Xiangwu Nou, James O'Donnell, Kathleen O'Donnell, Yemi Ogunrinola, Haley Oliver, Rose Omari, Kathleen Ott, Franck Pandiani, Aaron Patch, Eric Perez, Gale Prince, Myra Rademacher, Alejandra Ramirez, Michael Roberson, Chris Rupert, Mansour Samadpour, Aurora Saulo, Dina Scott, Kristen Scott, Chuck Seaman, Natalie Seymour, Ellen Shumaker, Ian Skarbek, Steven Sklare, Anna Starobin, Irshad Sulaiman, Vince Tallaje, Todd Taylor, Hilary Thesmar, Daniel Vassar, Maxwell Voorn, Ben Wagner, Rowen Wallar, William Weichelt, Jim Wilson, Sophie Wu, Zhinong Yan, and Ming Zeng.

**Number of Attendees:** 114.

**Meeting Called to Order:** 1:00 p.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Francie Buck.

#### Old Business:

Showed Symposia/Roundtables accepted for 2019.

- Food Code acceptance – Ben Wagner.
- Food Workers Technology approached – Julian Brand.
- Food Delivery – Dale Grinstead.
- Supplier monitored programs – Tom Ford.

2019 Symposia Not accepted.

- Managerial control – Gina Kramer.
- Restaurant disclosure – Melanie Firestone.
- Food Truck/Mobile food safety – Melanie Firestone.

#### New Business:

Webinars no longer need to be sponsored – do not need to pay.

Updates and Training on IAFP Connect – will no longer use email blasts.

Retail and Food Service PDG formed a Webinar Committee.

- Specific to Retail and FS.
- Veronica Bryant will coach on webinars.
- Emerging issues between IAFP meetings.
- Dr. Dale Grinstead will lead webinar committee. Eric Moore, Jeff Lindholm, Julian Grand, Glenda Lewis agreed to be members.

Student PDG Liaison announcement.

Sophie Wu spoke about the relationship between socio-economic status and the prevalence of LM in Delis.

#### 2020 Symposium Ideas:

1. Donna Garren – USDA berries and viral outbreaks, viral presumptive tests are not as good as bacterial tests, LeeAnn Jaykus presented a webinar on the subject. Silliker, foreign experience, legal perspective. Other PDG Applied Laboratory Methods, Viral and Parasitic Foodborne Disease PDG.
2. Haley Oliver – panel on the socio-economics of LM prevalence in Retail, Mitzy Baum (reclaimed food), does higher LM = higher listeriosis rates? Speaker from a socio-economic area.
3. Chris Boyles – management influences on retail practices, does have certified FSM on duty at all times affect risk factors. Symposia – behavioral practices, data correlations.
4. Eric Moore – measuring the degradation of the oil, good option for a webinar?
5. Paula Herald – active managerial control, roundtable discussion, Robert Stratnam – Maricopa county, International perspective, industry person (FS operator) – what tools work? Include FS Audit, Education or Culture PDGs.
6. Paula Herald – challenges from ghost kitchens and food trucks, regulatory, legal perspective, Doordash/grubhub/etc., best practices.
7. Dr. Yan – how innovation changed the retail world (Delivery, Block chain, SPARK system, Big Data, eCommerce, Blockchain.), Ann-Marie McNamara Hazel Analytics.

8. Melanie Firestone – restaurant inspections/closures – online vs. posting on site. Roundtable – NRA, Melanie presents her research, legal perspective, behavioral side.
9. Kristie – building partnerships to address *Listeria* control at retail – move to pathogens in general, LeeAnn Jaykus, Food Manager?
10. Veronica Bryant – Auditor/Inspector look at third party audits, inspection forms, retail person – the audits are all different – how do we standardize. Potential Roundtable.

**List of Recommendations to the Executive Board:**  
None.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 2:35 p.m.

**Chairperson:** Tom Ford.

### Sanitary Equipment and Facility Design PDG

**Attendees:** John Merenick (Chair), Rick Stokes (Vice Chair-Elect), Hamada Aboubakr, Angela Anandappa, Elizabeth Bach, Daniel Bair, Kristina Barlow, Rick Barney, Thomas Bell, Greg Bertsch, Steve Blackowiak, David Blomquist, Richard Brouillette, Marlita Burford, Carmen Cantú, Erdogan Ceylan, Claudia Coles, Mark Davis, Elizabeth Demmings, Alejandro Echeverry, Tom England, Elsa Fakhoury, Peyman Fatemi, Aliyar Fouladkhah, Andy Freer, Chad Galer, Mike Garrison, Vinayak Ghate, Rolando Gonzalez, Peggy Good, Sarah Gooding, Nancy Gushing, Margaret Hardin, Dennis Harp, Edwin Hernandez, John Holah, Richard Huang, Sanghyup Jeong, Amit Kheradia, Jeffrey Kornacki, Mark Kreul, Mahipal Kunduru, Alison Lacombe, Joe Legrand, Joanne Lim, Tony Little, Rachel McEgan, Ann Marie McNamara, Michael Michel, Rob Middendorf, Nathan Miller, Pat Millner, Nathan Mirdamadi, Paul Mitchell, Ana Monge Brenes, Eric Moorman, Gerardo Morantes, Marcia Murphy, Steve Murphy, Nadia Narine, Eric Perez, Matt Petrash, Gale Prince, Mingyu Qiao, Jerry Reeves, Amy Rhodes, Robert Roe, Evan Rosen, Timothy Rugh, Allen Saylor, Michele Sayles, Arlette Shazer, Anna Starobin, Steve Stephens, Trevor Suslow, Vince Tallaje, Theresa Thompson, Daniel Vassar, Dave Wankowski, Paul Winniczuk, and Kris Young.

**Number of Attendees:** 81.

**Meeting Called to Order:** 3:15 p.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Shiyun Yao – Student Liaison.

#### Old Business:

- No updates from the communication board. Board would instead suggest the PDG group start using the IAFP connect session on IAFP website.
- Minutes from last year meeting:
  - Minutes approved from 2018 meeting.
- Speakers at PDG Meeting.
- Dave Cook – President – Commercial Quality and Food Safety Solutions:

- “Observation in sanitary design updates” – quality food safety, observation on sanitary design.
  - Special situation and crisis management.
  - Timing – issues to do extra cleaning or redesign.
  - “Non-partisan” – fighting fares/get involved in design/validation.
  - Cost.
  - Sanitation validation: run, clean, sample (6 month after set-up) – “deep dive” will pay off.
- Chad Galer – Director of Food Safety at Dairy Management Group.
  - Food safety action platforms.
  - Dairy plant food safety workshop brief description.
  - Website for more information.
  - <https://www.usdairy.com/foodsafety>.
- John Holah – Technical Director – Holchem Laboratories: An update on GFSI Facility & Equipment Hygienic Design Working Group.
  - To develop hygienic design elements to the GFSI requirement – covering food processing equipment and food processing/handling facilities from farm to fork.
  - Facility/equipment hygienic cycle:
    - Design/risk assessment/assessment criteria.
    - Implications.
    - Asking food manufacturers to take risk assessment.
    - Expectation within designers to have multi-disciplinary team to design/ assess.
    - Mitigate any safety risk.
    - Hygienic rather than maintenance-based equipment.
  - Defining a common language to come to hygienic design solutions.
    - Five categorizations of zones.
- Update on current Vice Chair Dimitrios Tavernarakis: he has recently changed jobs in the industry and was unable to attend this years IAFP meeting. John Merenick did reach out to him to ensure he could take over as Chairperson at next years meeting. He had not responded back as of this time. In the event that Dimitrios could not serve as Chairman, John Merenick stated he would stay on as Chairman for one more year to help with the transition of the PDG group.
- New Vice Chair election – With the unknown of Dimitrios status, the PDG group decided to open the floor to nominations for a new Vice Chairperson. Rick Stokes volunteered to accept the nomination of Vice Chairperson. A recommendation will be made to the IAFP Board.
- Reminder: Proposals for the IAFP 2020 Annual Meeting are due October 1, 2019.

## **New Business:**

Symposia ideas for 2020 Annual Meeting:

1. Legacy of equipment – Discussion by Charles Giambrone, Steven Sims, Evan Rosen, David Blomquist, Duanne Grassmann, John Holah, Jeff Kornacki, and Paul Mitchell.
  - How to resolve the food budget and expense? How to justify money to replace equipment? Different people to look at from purchases and other perspectives.
  - Get OEM involved to deal with legacy of equipment; case studies; what to do with the old equipment that is functional.
  - FSMA with legacy of equipment: time, cost and extra management; more than the risk; compliancy in the law; food manufacturer to put time and cost and continue to put money to keep it running.
  - Show equipment that get paid back within 2–3 years and show that to the investors.
  - Teach people how to communicate cost to replace equipment.
  - How to convert the numerical numbers to a one-, two-year plan and how to solve the dilemma.
  - KPI and ROI: qualitative standard of risk that associated to the plants.
  - Food spoilage issues: equipment design and maintenance (budget).
  - Legacy of equipment: what is the age of the equipment? More of maintenance of the equipment not just the years of use; what are the sanitation design force instead of engineering design we are willing to put and invest?
    - “What is not done in the program” is more of problem. The argument to be made: we can calculate performance and correlate to microbial risk (more money in or save money).
    - Who would like to develop the ideas into symposium?
2. Hygienic zoning (a suggested webinar): Duanne Grassmann offered slides from previous presentation for webinar.
3. Safety – Guarding and employee safety – Discussion to help Food Hygiene and Sanitation on this idea.
4. Cleaning chemicals compatibility with equipment finishes. Newer chemicals with newer finishes. Webinar idea – Duanne Grassmann and David Blomquist to submit webinar.
5. GFSI and Sanitary Design – Webinar idea – Amit Kheradia to help lead project.

## **Recommendation to the IAFP Executive Board:**

1. The Sanitary Equipment and Facility Design PDG recommends the Executive Board recognize the election of Rick Stokes as Vice Chair starting at IAFP 2019.
2. The PDG recommends the Executive Board extend John Merenick as Chairperson until just prior to IAFP 2021.

3. Review scheduling of PDG meetings for 2020 Annual Meeting. Many conflicts in 1:00 p.m. and 3:15 p.m. time slots if members want to attend similar PDG meetings.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** July 21, 2019 at 5:00 p.m.

**Chairperson:** John D. Merenick.

## **Seafood Safety & Quality PDG**

**Attendees:** Forest Reichel (Chair), Kevin Edwards (Vice Chair), Jessica Jones (Vice Chair-Elect), Hiroki Abe, John Allan, Keith Amoroso, Angela Anandappa, Kenneth Boyer, Kristin Butler, David Calvin, Franck Chatigny, Neil Checketts, Andy Depaola, Blanca Escudero, Tracy Fink, Oscar Galagarza Angulo, Jim Heemstra, Sunee Himathongkham, Richard Huang, Kali Kniel, Johnathan Likens, Siman Liu, Keri Lydon, Shannara Lynn, Sabrina Mace, Anna Mackay, Doug Marshall, Christine McIntosh, Mark Moorman, Adewale Obadina, Katheryn Parraga-Estrada, Renee Perry, Lori Pivarnik, Gale Prince, Rachel Rodriguez, Melissa Schlabs, Maria Scott, Subash Shrestha, Marianne Solomotis, Tori Stivers, Nicholas Tan, Abigail Villalba, Qiaochu Wang, Jacqueline Woods, and Luyao Zhao.

**Number of Attendees:** 45.

**Meeting Called to Order:** 1:00 p.m. Sunday, July 21, 2019.

**Minutes Recording Secretary:** Kevin Edwards.

Introduction and Mission Statement of Seafood PDG.

Reading of the Rules of Order & Anti-trust Guidelines by Student Liaison Katheryn Parraga

Introduction of attendees.

## **Old Business:**

Tori Stivers motioned to approve the 2018 Meeting minutes. Jessica Jones seconded the motion.

## **New Business:**

Announcement that the transition of previously elected, new Chair Foivos Genigiorgis was cancelled due to an academic opportunity. This required Foivos to step away from the Chair position.

The PDG membership in attendance encouraged us to accept nominations at the PDG meeting versus the alternate method of using Survey Monkey. From the floor, Tori Stivers nominated Jessica Jones, FDA. She accepted the nomination. The PDG unanimously approved her candidacy.

Guest Speaker: Lisa Wedding, National Fisheries Institute provided an abbreviated summary of “Aquaculture Training” by the Seafood HACCP Alliance and AFDO. Highlights covered the Seafood HACCP regulation, and its connection to on-farm activities, the Fish & Fishery Seafood Hazards Guide, and the need to improve control strategies at the point of receiving. This requires an approach for the primary processor to have knowledge of [good] farming activities including fish health, control strategies, and the danger of using un-approved veterinary

drugs. The Guidance includes a Farm Checklist to gather information, and identify response trends. The intended audience are processors and importers (the farm itself does not have to run HACCP). Existing Seafood HACCP trainers may be given additional webinar training (pending initial training dates). The course will be ready by the end of the 2019 calendar year. Alliance can be translated by separate request to the Seafood HACCP Alliance (University of Florida website).

#### 2020 Topic Nominations:

1. Determining Decomposition in Tuna via Biogenic Amines vs. Subjective Organoleptic Sensory Test: Lead David Calvin, Starkist Co.
2. Antibiotic Stewardship: Consumer Perception, Policy. Collaborate with Pre Harvest PDG – Kevin Edwards.
3. When is Seafood Not Seafood? Engineered Food (Meat), Food Law, Food Safety – OPEN, of interest to Food Law PDG.
4. Climate Change & Pathogens – Lorraine McIntyre, BC Center for Disease Control & Jessica Jones FDA.
5. Retail & Food Service Consumer Safe Seafood Handling with Broader Use to Retailers and Food-Service – Ken Boyer, Seattle Fish & Evelyn Watts.

#### Recommendations to the Executive Board:

1. We recommend Jessica Jones as Vice Chair-Elect.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 2:35 p.m.

**Chairperson:** Forest D. Reichel.

### Student PDG

**Names of Attendees:** Margaret Kirchner (Chair), Minh Duong (Vice Chair), Hiroki Abe, Jennifer Acuff, Emelia Adator, Seun Agbaje, Alberto Aguayo-Acosta, Nurul Ahmad, Sulaiman Aljasir, Abimbola Allison, Justin Anast, Kory Anderson, Brienna Anderson Coughlin, Sadiye Aras, Jeremy Arbon, Nicole Arnold, Pedro Arriaga Lorenzo, Jyoti Aryal, Lordwige Atis, Adam Baker, Charles Bashiru Bakin, Cameron Bardsley, Nicholas Barone, Katrien Begyn, Cara Boucher, Sheridan Brewer, Codi Broten, Stephanie Brown, Briana Burke, Shiyu Cai, Emily Campbell, Cameron Cason, Kaitlyn Casulli, Long Chen, Samuel Cimowsky, Sarah Cope, Sean Craig, Shani Craighead, Corinna Darelus, Taylor Davedow, Ahmed Dawadh, Christine Eckert, Kevin Edwards, Erika Estrada, Savana Everhart, Justin Falardeau, Melanie Firestone, Emily Forauer, Julia Fritschel, Oscar Galagarza Angulo, Diana Garcia, Samantha Gartley, Austin Gast, Catherine Gensler, Rachel Goeriz, Chase Golden, Carly Gomez, Vybhav Vipul Sudhir Gopisetty, Kristi Gowans, Gayathri Gunathilaka, Alan Gutierrez, Mohammad Ruzlan Habib, Alexis Hamilton, Eleanor Hanson, Jack Hodges, Leah Hohman, Lijun Hu, Xiaoping Huang, Lauren Hudson, Daizy Hwang, Paul in't Veld, Abdoulie Jallow, Lee-Ann Jaykus, Michele Jay-Russell, Sarah Jones, John Jorgensen, Md Niamul Kabir, Shraddha Karanth, Shivaramu Keelara, Rochelle Keet, Alyssa Kelly, Annette Kenney, Karuna Kharel,

Donghyun Kim, Sally Klinect, Sakshi Lamba, Kristin Lane, Reece Larsen, Soon Kiat Lau, Holly Leung, Shenmiao Li, Ruo Fen Liao, Xiyang Liu, Ruiling Lv, Brittany Magdovitz, Stephanie Maggio, Carolina Mariano Ferraz, Claire Marik, Laurel McGonegle, Jessica Meisinger, Janny Mendoza Mencia, Jose Merino Mascorro, Hansel Mina, Zahra Mohammad, Juan Moreira, Sarah Murphy, Shivasharanappa Nayakvadi, Rosalind Neale, Ismail Odetokun, Oladipupo Olatunde, Alexis Omar, Ruth Oni, Katie Overbey, Jinhwa Park, Kyung Min Park, Elvina Parlungan, Katheryn Parraga-Estrada, Esa Puntch, Adam Quinn, Jaime Ragos, Yadwinder Singh Rana, Bhargavi Rane, Surabhi Rani, Alyxandra Reed, Forest Reichel, Joyjit Saha, Rodrigo Santibanez, Lester Schonberger, Dina Scott, Lang Sun, Cassandra Suther, Merlyn Thomas, Anna Townsend, Danielle Trudelle, Daniela Turcios, Tushar Verma, Kirty Wadhawan, Freya Wang, Peien Wang, Qiaochu Wang, Lisa Weddig, Xinyao Wei, Molly West, Chanelle White, Elizabeth White, Yumin Xu, Shiyun Yao, Mary Yavelak, Morgan Young, Yifan Zhang, Bingzhuo Zhao, and Luyao Zhao.

**Number of Attendees:** 153.

**Meeting Called to Order:** 10:00 a.m., Sunday, July 21, 2019.

**Minutes Recording Secretary:** Catherine Gensler.

#### Old Business:

Outgoing Chair Mary Yavelak, gave IAFP announcements and reviewed board recommendations from last year. Incoming PDG Chair Meg Kirchner acknowledged and thanked outgoing sPDG officers for their hard work this past year. A review of all sponsored and co-sponsored 2019 sessions and highlights of activities available for students was completed. Mary addressed student feedback from last year's meeting and encouraged students to talk to a PDG board member on ways we can better support students.

Lester Schoenberger reviewed the 2018–2019 sPDG Liaison program. The program has expanded to 22 PDGs and committees, facilitating direct mutual communication and support by assigning a student contact for the group to report back to our PDG throughout the year. Liaisons link the sPDG to other PDGs, facilitating symposia co-sponsorship, connecting students to PDG scholarships and events, as well as completing crucial PDG tasks and business. The 2018–2019 mentoring program made 47 matches last year. This year, at the time of conference, 34 matches had been made and more are counting. Both students and mentors can still sign up to be matched at the student booth.

3-Minute Thesis competition committee received recognition for their hard work. The committee would like to thank those who volunteered as judges for both the online and live performances. There were many excellent video entries from which five finalists were selected to compete in live competition over lunch. Both the people's choice and the judges' winners will be announced at the student mixer on Tuesday, July 23, 2019.

## **New Business:**

Representatives from the Seafood PDG gave a brief informational presentation about careers in their industry and shared advice regarding choosing a career or “Does a career choose you?” PDG discussed how it plans to utilize IAFP connect in parallel with emails. A survey about how the PDG will use the platform will be sent to members following the meeting. Students were encouraged to visit the newly redesigned student booth in the exhibit hall (Thank you, Tamara and the IAFP Board!) to purchase T-shirts and stickers, sign up for a mentor and talk with PDG officers. The meeting concluded with a review of roundtable and symposia guidelines and an ideation session for potential topics for symposia or roundtables.

## **Recommendations to the Executive Board:**

We thank the Board for their responsiveness to our requests and their continued support of the Student PDG.

1. Recommend Minh Duong for Student Professional Development Group Vice Chair.
2. Recommend continuing a 2-hour PDG meeting length for next year’s meeting.
3. Because of a successful presale we recommend to the Board that we order a larger quantity of T-shirts and continue to work closely with staff on distribution at the Annual Meeting.
4. We recommend an additional student board member position to the Student PDG officer board that would represent international students.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 12:00 p.m., Sunday July 21, 2019.

**Chairperson:** Margaret Kirchner.

## **Viral and Parasitic Foodborne Disease PDG**

**Names of Attendees:** Alexandre Da Silva (Chair), Julie Jean (Vice Chair), Hamada Aboubakr, Alberto Aguayo-Acosta, Brienna Anderson Coughlin, James Arbogast, William Burkhardt, Kellie Burris, Franck Chatigny, Shani Craighead, Michelle Danyluk, Kaiping Deng, Lise Duran, Mauricio Durigan, Abdul Azeez Ebrahim, Blanca Escudero, Laura Ewing, Xuotong Fan, Amanda Flathers, Bob Forner, Eduardo Franco Frias, Ted Gatesy, Rebecca Goulter, Sagar Goyal, Stephen Grove, Jim Heemstra, Sunee Himathongkham, Kirsten Hirneisen, Jessica Hofstetter, Brynn Husk, Timothy Jackson, Laurent Jain, David Kingsley, Alison Lacombe, Pongpan Laksanalamai, Pushpinder Litt, Chip Manuel, Jose Merino Mascorro, Naim Montazeri, Neda Nasheri, Angela Nguyen, Joseph Nicholl, Ikechukwu Oguadinma, Isha Patel, Ankit Patras, Emma Patregnani, Audrey Patterson, Anne-Marie Perchec - Merien, Claudette Quevedo, Beatriz Quiñones, Sarita Raengpradub Wheeler, Rachel Rodriguez, Adrienne Shearer, Marianne Solomotis, Brad Taylor, Gretchen Wall, and Jacqueline Woods.

**Number of Attendees:** 57.

**Meeting Called to Order:** 9:00 a.m., Sunday, July 21, 2019

**Minutes Recording Secretary:** Julie Jean.

The meeting was called to order by Alex da Silva (Chair). Alex introduced himself and announced Julie Jean as the newly elected PDG Vice Chair who introduced herself. All attendees were invited to introduce themselves and after that Alex gave an overview of the agenda.

## **Old Business:**

- Minutes from IAFP 2018 were approved with no modifications.
- Alex reviewed the 3 accepted sponsored or co-sponsored proposals (RT4: *Cyclospora*: It’s not just imports’ issue; S48: Determining preventive controls for viruses and parasites; S54: Agricultural water and emerging pathogens in the age of FSMA: do we need to worry?) and overall presentations/posters related to virus/parasites from this year’s program.

## **New Business:**

Two (2) presentations are at the agenda:

1. According to the recent advances and media attention, Alex da Silva presented an overview entitled: The update on *Cyclospora cayetanensis* and cyclosporiasis: science and public health.
2. Ikechukwu Oguadinma, IAFP Student liaison presented the mentorship program and its importance for student career and IAFP recruitment of students. Everyone is invited to the Student Mixer on Tuesday from 7 to 9 p.m. for better interaction between professional and students. Several PDG roundtables and symposia are sponsored or co-sponsored and our PDG were invited to consider this opportunity. Student mentorship program facilitate communication between student and professional.

In preparation for IAFP 2020 in Cleveland, Ohio, August 2–5, 2020, roundtable and symposia topics were suggested and discussed:

- Frozen berries: David Kingsley mentioned the latest recalls of berries. Neda Nasheri mentioned the frozen state of the berries on recall. Discussions were also on the origin of the berries subjected to those recall. Students from Kali Kniels’ lab have mentioned studies that are conducted in their lab about persistence of viruses in frozen berries. On farm control has already been covered by past symposium. However, importance of water in the transmission was mentioned.
- Exotic parasites or viruses: *Angiostrongylus* cases from Hawaii (Alex da Silva) and vegetable viruses as indicators (David Kingsley) were discussed as a possible symposium proposal combining viruses and parasites. Neda Nasheri mentioned the lack of information on the prevalence of hepatitis E virus.
- Control methods: According to the control methods symposia that are presented this year. (Jessica Hofstetter) expressed the value of that kind of information for food industry to assure choice of safe ingredients. However, major gaps in those mitigation methods are discussed toward virus and parasites. Validations of post-harvest methods



are lacking and are discussed. Stephen Grove suggested assisting to the processing symposium on Tuesday to bring more ideas.

- Sensitive population: David Kingsley is asking about chronic giardiasis to induce food allergies such as gluten and lactose sensitive individuals. Some discussion of dead parasites such as *Pseudoterranova* antigens inducing allergies. The discussions lead to interesting ideas that could also turn into symposium proposals.
- Molecular epidemiology: Symposium on methods was suggested. Progress on molecular epidemiology for both viruses and parasites are mentioned. Publications on MLST and other ways to genotype *Cyclospora* were discussed; significant advancements were made in this area and these tools are now being used to figure out some of the cyclosporiasis outbreaks patterns. Aron Hall from CDC was suggested as a speaker to cover the application of newly developed molecular epidemiology methods for viruses.
- Seafood: Organization of co-sponsored symposium with the seafood PDGs was also suggested. There are some data in the literature that fish from U.S. coastal areas could be contaminated with *Diphyllobothrium* sp. In fact, some of the U.S. recent cases were reported on mainstream media.
- Emerging technology: Control of viruses was discussed based on the use of emerging technologies. Different aspects of those were presented and individuals from industry provided some perspectives such as: feasibility of these technologies to be implemented by industry, economic viability, safety of the technique, energy consumption, regulatory issues and cost. Example about cold plasma was mentioned by Hamada A. Aboubakr.
- Hepatitis A virus: Stephen Grove mentioned the recent cases of HAV and the recent vaccination of children. The concept of diseases that re-emerge was discussed as well as the topics such as vaccination of food handlers.

Interest was expressed in validation of intervention technologies and available and emerging technology for kills steps (cost, reliability, transfer to industry; roadblocks for approval).

Interest was expressed in knowledge gaps; researchable science topics for viruses and parasites.

Some discussion about Hepatitis E and possible other emerging viruses/parasites due to some indicators about incidence of this virus.

Deadline for symposia, roundtable and workshop proposals is October 1, 2019.

Alex da Silva continued by presenting ways to enhance communication and knowledge transfer through the year:

- International perspectives on various issues.
- Interactive workshops, before the annual meeting or at other times throughout the year.

- Creating a webinar, or a webinar series.
- Development of booklets or pamphlets.
- Drafting of white papers.
- Regular web meetings.
- Communicating regularly via email or teleconference.

It was highlighted that webinars no longer need sponsorship. The IAFP foundation will support the expense and that will significantly streamline the ability of PDGs to organize those sessions.

It is stressed that webinars should be a good mean for knowledge transfer.

#### **Numbered List of Recommendations to the Executive Board:**

1. Approve Julie Jean as Vice Chair.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 11:00 a.m.

**Chairperson:** Alexandre J. Da Silva.

### **Water Quality and Safety PDG**

**Names of Attendees:** Elisabetta Lambertini (Chair), Leon Gorris (Vice Chair), Achyut Adhikari, Jeremy Adler, Sultan Al Taher, Sarah Allard, Shayma Altenaiji, Uma Babu, Kannan Balan, Arlene Barrantes Romero, Alexandra Belias, Manreet Bhullar, Nancy Bontempo, William Burkhardt, Kellie Burris, Suchart Chaven, Hongda Chen, Yi Chen, Antonio Cid, Donna Clements, Thomas De Bock, Diane Ducharme, Natalie Dyenson, Kristin Esch, Blanca Escudero, Angela Marie Ferelli, Gregory Fridman, Austin Gast, Vybhav Vipul Sudhir Gopisetty, Lisa Gorski, Emily Griep, Alice Hayford, Katy Holzer, Calloway Jamerson, Karen Jarvis, Peter Kennedy, Sung-Youn Kim, Alison Lacombe, Pongpan Laksanalamai, Yuqian Lou, Keri Lydon, Sherri McGarry, Susan McKnight, Rianna Murray, Charles Muyanja, Salina Parveen, Jitu Patel, Juan Ponce De Leon, Kinsey Porter, Phyllis Posy, Claudette Quevedo, Christophe Quiring, Angelic Rael, Isaac Rukundo, Robert Sakata, Vicki-Lynne Scott, Arlette Shazer, Erika Stapp Kamotani, Diane Stewart, Don Stoeckel, Phillip Tocco, Tessa Tuytschaever, Brian Umberson, Peien Wang, Daniel Weller, Xi Wu, Season Xie, Veerachandra Yemmireddy, May Yeow, Lei Zhang, and Jie Zheng.

**Total Number of Attendees:** 71.

**Meeting Called to Order:** 3:15 p.m.–5:15 p.m., Sunday, July 20, 2019.

**Minutes Recording Secretary:** Phyllis Posy.

#### **Old Business:**

1. Review of Agenda – Call for additional items.  
No additional items.
2. Discussion/Adoption of the 2018 PDG Meeting Minutes.

Minutes from 2018 meeting approved.

3. Overview of IAFP 2019 program relevant to PDG.  
Showed list of main sessions relevant to the Water PDG.

**New Business:**

1. Welcome and introductions:
  - Welcome and introduction to PDG by Chairpersons.
  - Greetings/comments from our IAFP Board Member.
  - Brief self-introductions of all present.
2. Announce new officers.  
New officers were introduced: Elisabetta Lambertini moved from Vice Chair to Chair; Leon Gorris was elected new Vice Chair; Phyllis Posy was invited to become Secretary. In addition, Peien Wang was designated as new student liaison.
3. Short Updates on food safety developments of PDG interest.  
Attendees shared noteworthy news and research developments from the past year.
4. Development of IAFP 2020 symposia ideas.
  - Introduction to themes (formats: Symposia, Roundtables, Technical Sessions, workshops).
  - Attendees split in small groups to discuss and prepare submissions to the program committee for IAFP's 2020 meeting(s) (deadline is October 1, 2019).
  - Ideas discussed included: water reuse in meat and poultry; water treatment technology for water reuse; system assessment and monitoring programs for water along the food production continuum; water reuse in produce processing;

updates on the development of international standards and guidelines on water quality and reuse standards; implications of new U.S. water regulations; water treatment technology choices and cost-benefits; interface of sustainability metrics and food safety for water quality. A point person was identified for each idea discussed. PDG officers will follow up in the next months to facilitate the development of symposia and co-sponsorship with other PDGs.

5. Other year-round PDG activities
  - Recap of past webinars, and explanation the webinar format. Ideas for potential 2019–2020 webinars include: updates on agricultural water quality standards and management; industry experiences and best practices for processing water reuse; modern water treatment technologies 101.
  - Possible new PDG activities, such as conference calls, online discussion forums (e.g., on Connect), field trips, white papers. Ideas and needs were solicited, and PDG officers will foster discussions and dissemination of initiatives throughout the year.

**Recommendations to the Executive Board:**

1. Recommended to continue IAFP's Foundation support of webinars so as to not require sponsorship for webinars.
2. Approve Leon Gorris as Vice Chair.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 5:00 p.m.

**Chairperson:** Elisabetta Lambertini.

# AFFILIATE COUNCIL MINUTES

IAFP 2019 – Sunday, July 21, 2019  
Louisville, Kentucky

## Affiliate Delegates Present

### North America:

Alabama	Neil Bogart
Arkansas	Barbara Smith
British Columbia	Justin Falardeau
Capital Area	Jenny Scott
Colorado	Juliany Rivera Calo
Georgia	Wendy White
Illinois	Brad Suhling
Indiana	Amanda Deering
Missouri	James O'Donnell
New York	Amy Rhodes
Ohio	Christina Wilson
Oklahoma	Maria Ma
Ontario	Angela Bernoski
Pennsylvania	Peggy Good
Quebec	Julie Jean
Texas	Alex Castillo
Wisconsin	Erin Headley

### International:

Africa	Peter Kennedy
Argentina	Fabiana Guglielmono
Australia	Deon Mahoney
Brazil	Mariza Landgraf
Chile	Monica Galleguillos
Colombia	Janeth Luna
Hong Kong	Terence Lau
Indian in NA	Harshavardhan Thippareddi
Japan	Shigenobu Koseki
Korea	Kun-Ho Seo
Lebanon	Issmat Kassem
New Zealand	Marion Castle
Southeast Asia	Alvin Lee
Taiwan	Chia-Yang Chen
United Arab Emirates	Bobby Krishna
United Kingdom	David Lloyd

**IAFP Board and Staff Present:** Tim Jackson, Kali Kniel, Roger Cook, Ruth Petran, Michelle Danyluk, David Tharp, and Susan Smith.

**Visitors/Guests:** Mohammad Samial Alam (Capital Area); Jehaina Al Ali (UAE); Cindy Anderson (TX); Karen Beers (AR); Dave Blomquist (MN); Travis Chapin (FL); Jessica Chen (GA); Candice Christian (Carolinas); Claudia Coles (WA); Carl Custer (Capital Area); Greg Danzeisen (MN); Ashley Engel (UMDIA); Mami Furukawa (Japan); Fernando Gallegos Sola (Argentina); Max Golden (WI); Sanjay Gummalla (Capital Area); William Huntley (CA); Kunihiro Kubota (Japan); Nelly Lam (Hong Kong); Judy Luther; Alejandro Mazzotta (NY); Robyn Miranda (NY); Katie Satchwell Murchison (GA); Charles Muyanjanja (Africa); Adewale Obadina (Africa); Joseph Odumeru (Ontario); Jitu Patel (Indian in NA); Brandy Sheehan (MO); Lee-Yan Sheen (Taiwan); David Shelep (CA); Juliana Simone (Argentina); Gabriela Stancanelli (Argentina); Debbie Stroud (Carolinas); Gloria Swick-Brown (OH); Helen Taylor (UK); and Chuck Yarris (IL).

**Meeting Called to Order:** 7:06 a.m., Sunday, July 21, 2019.

**Recording Secretary of Minutes:** Li Maria Ma.

**Agenda:** The agenda was reviewed and approved.

**Delegate Roll Call:** Eliminated due to badge scanning.

**Approval of 2018 Minutes:** The 2018 Minutes were approved.

**Report from Affiliate Chairperson:** James O'Donnell provided the following updates:

1. Recognition of new Affiliate: Japan Association for Food Protection.
2. Affiliates with milestone anniversaries were recognized (reported from the floor):
  - a. Pennsylvania – 85 years.
  - b. Illinois – 75 years.
  - c. Washington – 65 years.
  - d. British Columbia – 20 years.

**Report from IAFP President:** President Tim Jackson stated his appreciation for the Affiliates' contribution to IAFP's success. His updates included: 1) high number of IAFP Annual Meeting attendees (higher than last year); 2) great student participation in IAFP; 3) successful international meetings: 6th Latin American Symposium on Food Safety and European Symposium on Food Safety; and 4) upcoming international meetings: China International Food Safety & Quality Conference, Asia-Pacific Symposium of Food Safety, Dubai International Food Safety Conference.

**Report from IAFP Executive Director:** David Tharp reported that IAFP is in a very healthy financial position, with net revenue over expenses of \$520,000 and a general fund balance of \$3.4 million. One of the major factors that contributed to IAFP's financial health is the strong performance of our investments, which gained \$284,000.

**Report from IAFP Staff Liaison:** Susan Smith reported that 42 out of 50 Affiliates (84%) had filed their Annual Reports, but all Affiliates need to submit an Annual Report as stated by IAFP Bylaws. She reminded Affiliates to submit all materials and attachments related to their Annual Report in one single email to reduce the confusion and omissions. Susan strongly encouraged all Affiliates to apply for the Affiliate Awards. This year, 15 Affiliates applied for these Awards, down one from 2018. She asked each Affiliate to ensure their President and Delegate are current IAFP members as required by the Bylaws, and to keep their website current to allow her to collect information for the *Affiliate View*. She again reminded Affiliates to take advantage of the Executive Board Speaker Program to get a high-quality speaker for their Affiliate Annual Meeting at an affordable cost, as IAFP would pay for the speaker's travel and transportation to the meeting and the local Affiliate only needs to pay for lodging and meals of the speaker.

**Local Affiliate Activity Reports from Attending Delegates:** Delegates/Representatives gave two-minute oral summaries of their respective Affiliate activities for 2018. Reports included the number of active members, number of general membership meetings hosted in 2018, biggest challenges and successes, and topics of interest to other Affiliates.

**Election of Affiliate Council Secretary:** James O'Donnell announced that Julie Jean, Delegate from Quebec, was willing to stand for election, and asked if there were any nominations from the floor. With no others from the floor, Julie was asked to give a brief introduction and, by unanimous votes from the Delegates, was elected as incoming Affiliate Council Secretary.

**Presentation of the Affiliate Awards:** James highlighted the achievements of the award winners and presented the 2019 Affiliate Awards as follows:

**Affiliate Membership Achievement** – Georgia Association for Food Protection.

**Affiliate Communication Materials** – Hong Kong Food Safety Consortium.

**Affiliate Member Education** – Wisconsin Association for Food Protection.

**Best Affiliate Overall Meeting** – Argentine Food Safety Commission.

Missouri Environmental Health Association received the **C.B. Shogren Memorial Award**, which will be presented at the Awards Banquet on Wednesday, July 24, 2019.

**Roundtable Discussion:** The topics for the roundtable discussion were: 1) What technologies are you using to communicate with your affiliate members? 2) What technologies are you using to recruit new affiliate members? 3) What potential technologies could be used? 4) What new food safety/protection issues/topics are you and your affiliate members excited about? Attendees who were able to stay and participate were grouped by tables and their discussions on each topic are summarized as follows:

1. *Representatives from Illinois, Indiana and New York:* Mail Chimp app is attached to the website, excellent for regulatory updates; Zoom video-conferencing for board and committee meetings; conference calls; snail mail/postcards invites; industry trade and association databases; academia invite for Food Science Department professor to Affiliate with no fee if bringing two students; better use of LinkedIn and Facebook; Affiliate meetings can include FSMA-related topics, FBI Bioterrorism group presenters, and actual experiences or mock exercises on Crisis Management.
2. *Representatives from Japan, Chinese in North America and Ontario:* Using website, Social Media, WhatsApp, WeChat, Email, LinkedIn, Instagram, Facebook, Twitter; main contact at each university who recruits students to join; have a communication point for association mentor program; be community leaders; poster competitions, photos, abstracts put on social media to attract potential employers of graduate students; use Zoom for webinars; Affiliate members interested in Detection Methods for Pathogens, Big Data, BlockChain, and new/emerging pathogens and traceability.
3. *Representatives from Capital Area and Hong Kong:* Websites are used but improvements are needed to be a more effective tool (Capital Area); email is used but often ignored; Hong Kong uses social media, WeChat, WhatsApp; certain social media sites are blocked such as LinkedIn (by FDA) and WhatsApp (by China); and new issues sparking interest are Food Fraud and Produce Safety, e.g., pathogens such as *Cyclospora*.

4. *Representatives from Africa, India, Alabama, Ohio, and Minnesota:* Africa uses Zoom, utilizes outside entity to manage their organization, flip calls; India uses Google Pro; Alabama uses Zoom for teleconferencing; Ohio uses its website and email; Minnesota uses its website, email and SurveyMonkey; technology used for recruiting members includes word of mouth and vendors who email to their customers; new food safety issues topics include mycotoxin, aflatoxin, pesticide residues, FSMA for exporters, developing key contacts at universities, poster competitions, drawing attention to university students; and apps used include Join It, Apricot, Eventbrite, and Hoover app platform for meetings and payments.
5. *Representatives from Argentina, Brazil, Chile, Colombia, and Texas:* Technologies used to communicate with Affiliate members include LinkedIn, email, Facebook, Instagram, WhatsApp, and Twitter. The website and meetings diffusion on the web are used to recruit members. Potential technologies that could be used in the near future include Zoom, apps, and software for webinars. Affiliate members are excited about topics surrounding CBD, Big Data, BlockChain, Genomics, Fake News in Food Safety, Food Safety Culture, and Labeling/Allergens.

**Old Business:** None.

**New Business:**

1. Affiliates who are located outside of U.S. need help from IAFP for setting up Webinars.
2. Affiliates want to explore the use of *IAFP Connect* for communicating with their members and need some support from IAFP.
3. The topic of removing the Affiliate reports of successes and challenges during the past year was discussed to shorten the meeting by at least an hour. If removed, the reports could be included into submitted Annual reports. Also, the topic of removing the Roundtable topic discussions from Affiliate Council Meeting was discussed to shorten the meeting by at least an hour. If removed, the topics could be incorporated into submitted Affiliate reports.
  - a. Attendee discussions were against both removal of the Affiliate reports and the Roundtable discussion, as both provide opportunities for Delegates to share ideas together and learn from each other. Will continue with both at future meetings.
4. It was suggested that each Affiliate Award recipient give a brief speech while receiving their plaque. Some suggested that this information could be included on *IAFP Connect* as Affiliate Highlights.
5. Question was asked if *IAFP Connect* can be used by Affiliates to communicate with their members (like PDG groups do). Staff will check into that possibility.
6. Question was asked if IAFP can provide instructions for webinars conducted by Affiliates located outside of U.S. Staff will check on this.

**Recommendations to the Executive Board:** None.

**Passing of the Gavel:** Chairperson James O'Donnell passed the gavel to Li Maria Ma, signifying the beginning of Maria's term as the Affiliate Council Chair.

**Next Meeting Date:** August 2, 2020, Cleveland, Ohio.

**Meeting Adjourned:** 10:11 a.m.

**Chairperson:** James O'Donnell.