

# COMMITTEE MINUTES

## STANDING COMMITTEES

### *Food Protection Trends Management Committee*

**Members Present:** Cheng-An Hwang (Chair), Catherine Cutter (Editor), Manan Sharma (*JFP* Chair), Ben Chapman, Faith Critzer, Francisco Diez, Alejandro Echeverry, Veneranda Gapud, Michele Gorman, Joshua Gurtler, Linda Leake, Susan McKnight, Amie Minor, Brian Nummer, Kathleen O'Donnell, Randall Phebus, Michelle Smith, Christina Wilson and Guodong Zhang.

**Board/Staff Members Present:** Don Zink, Mickey Parish, Donna Bahun, David Tharp and Lisa Hovey.

**Visitors/Guests:** Judy Luther, Richelle Beverly, Christine Bruhn, Ian Jenson, Vijay Juneja, Manpreet Singh and Maria Elena Tanabe.

**Meeting Called to Order:** 2:00 p.m. Saturday, July 25, 2015.

**Recording Secretary of Minutes:** Richelle Beverly.

#### Old Business:

- The Committee reviewed and approved the meeting agenda.
- Review of 2014 Minutes: Motion to approve with no changes was made and approved.
- The Board approved to make older issues of *FPT* available online and searchable.
- The Board approved to charge authors a \$300 penalty whose manuscript requires extensive formatting by *FPT* staff.

#### New Business:

- Election of new vice-chairperson.
- A report about the status of the association was delivered by Don Zink and Mickey Parish. International presence of the association is growing. The general fund and the Foundation are strong. All *FPT* articles going back to 1986 are posted online with support from the IAFP Foundation.
- The scientific editor reported that 33 manuscripts submitted, 19 papers were completed/accepted, 7 under revision, 5 reject, and 2 withdrawals. One paper was recommended to *FPT* by a *JFP* editor. International affiliates were asked to submit manuscripts to the journal.
- *FPT* Online Submission System is in use for the review submissions.
- The description of *FPT* in the bylaws should be revised. The current statement says *FPT* is for applied articles. The new description should encompass the words applied information and technical research.
- Topics of research for research submitted as abstract topics needs review to determine if over topic areas should be included.

- Journals may want to review websites where individuals are posting their research that has been copyrighted for free download.
- **Action:** Recommend to authors to use the *JFP* style guide in Endnote for references in articles submitted to *FPT*.
- **Action:** Recommend Zotero to authors as a source for reference formatting.
- **Action:** Work with New Media Task Force to highlight trending articles and items of interest to *FPT* for use by the public.

#### Recommendations to the Executive Board:

1. Recommend to the Board to appoint Faith Critzer as the Vice Chair of *Food Protection Trends* Management Committee.
2. Recommend to the Board to reappoint Catherine (Cathy) Cutter as the *FPT* Scientific Editor a 4-year term.
3. Recommend to the Board to check with Allen Pre-publication Reference Checker to check references in journal articles submitted for publication.
4. Recommend to the Board to redefine in the IAFP Bylaws Section V, Part C the definition of *FPT* to include words such as applied research, information, and member news.
5. Recommend to the Board to develop a survey to determine if *FPT* and *JFP* are meeting the needs of the membership.
6. Recommend to the Board to determine the numbers and usage of articles downloaded from IAFP website by users.

**Next Meeting Date:** July 31, 2016, in St. Louis, Missouri.

**Meeting Adjourned:** 3:50 p.m.

**Chairperson:** Cheng-An Hwang.

### *Journal of Food Protection Management*

**Members Present:** Manan Sharma, Vijay Juneja, P. Michael Davidson, Joseph Frank, Lauren S. Jackson, Elliot T. Ryser, Cheng-An Hwang, Peter Bodnaruk, Alejandro Castillo, Elena Enache, Kalmia Kniel, Sean J. Leighton, Sherri McGarry, Xiangwu Nou, James O'Donnell, Laurie Post, Abani Pradhan, Siddhartha Thakur, Dike Ukuku and Hyun Gyun Yuk.

**Board/Staff Members Present:** Don Zink, Linda Harris, Tim Jackson, Alejandro Mazzotta, Mickey Parrish, David Tharp and Didi Loynachan.

**Visitors/Guests Present:** Cathy Cutter, Joshua Gurtler, Stephen Kenney and T.J. Fu.

**Meeting Called to Order:** 10:02 a.m., July 25, 2015.

**Minutes Recording Secretary:** Sean Leighton.

**Old Business:** Committee reviewed minutes from 2014 *JFP* Management Committee meeting. A motion was approved to accept the 2014 minutes.

**New Business:**

Scientific editor reappointment – this year there were no scientific editors to appoint. Manan Sharma provided an overview of the selection process for Dr. Lauren Jackson. A total of 55 applicants submitted their CV, and 39 applicants were strongly considered. The selection committee did a great job reviewing a highly-qualified pool of applicants, indicative of the professional nature of IAFP and *JFP* in general. For the next editor selection process, Manan indicated IAFP should strongly consider international applicants.

ORCID progress – The ORCID ID process makes it easier and more convenient to submit manuscripts to *JFP*. The ORCID authentication applies to the corresponding author only at this stage. It has not been activated yet with Allen Press or Allentrack. Allentrack can integrate ORCID into its online workflow during the manuscript submission process, but Ingenta Connect currently has no plans to incorporate ORCID, which presents a challenge.

The Committee reviewed the agenda and approved the meeting agenda. Mickey Parrish provided a board update indicating IAFP is healthy and continues to grow. We are currently 4,200 members, with attendance at the IAFP 2015 at over 3,100, about a 200 attendee increase over IAFP 2014. The number of exhibitors is down slightly from 2014 (but 2014 was a record year). IAFP is interested in increasing the number of webinars so if anyone has any ideas of how to help this committee be more effective, let him know.

Dr. Davidson provided the Journal's Scientific Editors' Report. Highlights include: Volume 77 of the *Journal of Food Protection*, published in 2014, contained 2,224 pages and 295 articles, which included 290 research papers (including research notes), and 5 review, general interest and supplement papers (Table 1). By comparison, Volume 76 published in 2013 contained 2,188 pages and 291 articles, which included 276 research papers (including research notes), and 15 review, general interest and supplement papers. Thus, Volume 77 contained four more articles than Volume 76.

Dr. Davidson indicated he was concerned with the low levels of papers coming from the UK and Scandinavia. The concern is that we may be missing some papers. Manan asked if this was a topic we could discuss as part of the impact factor discussion as some countries like Denmark require their government scientists to publish in journals with an Impact factor greater than 2.0. A question was raised as to why the submissions to *JFP* peaked in 2009. Dr. Frank stated that the number of submissions could cycle with research funds as a result of a higher number of foodborne outbreaks at that time.

The average length of time between receipt of manuscripts and their publication remained the same in 2014 compared to 2013. More than 63, 88 and 98% of the manuscripts accepted for publication were in print within 8, 10 and 12 months of submission, respectively. The average time from submission to publication was 8 months. The primary reasons for publication of articles more than 12 months following submission are delays by authors in revising manuscripts, reading proofs or submitting appropriate paperwork or page charges.

The *Journal of Food Protection* continues to have an excellent worldwide reputation and appeal. Researchers from countries other than the United States authored 166 (56%) of the articles in Volume 77, an increase from the 54% for Volume 76. Forty countries were represented by corresponding authors in Volume 77 including (number of articles in parentheses): Korea (25), Canada (17), China (16), Japan (11), Brazil and Spain (8), Mexico (7), Italy (6), Belgium, Chile, Germany, and The Netherlands (5), Greece and Turkey (4), Australia, Finland, Switzerland, and Thailand (3), Czech Republic, France, Jordan, South Africa, and Trinidad and Tobago, and United Kingdom (2), and Cameroon, Costa Rica, Denmark, Ecuador, India, Indonesia, Iran, Ireland, Israel, Kenya, Norway, Poland, Serbia, Sweden, Tunisia, and Vietnam (1).

In Volume 77, there were 129 (44%) articles authored by researchers in the United States. Corresponding authors represented institutions in 34 States and the District of Columbia. The top U.S. states represented were (number of research articles in parentheses): Georgia (23), Michigan (9), Maryland and New York (8), New Jersey (7), Pennsylvania (6), California, Nebraska, and Ohio (5 each), Florida, Iowa, North Carolina, Tennessee, Virginia, and Wisconsin (4 each), and Illinois (3).

Dr. Lauren Jackson has been appointed by the IAFP Board as the new scientific co-editor.

Seven issues of Volume 78 of the *Journal* were published during the first seven months of 2015 (Table 2). These issues contained 1,424 pages, compared to 1,248 pages in the first seven issues of Volume 77 (2014). Thus far, Volume 78 contains 196 papers, compared to the 168 papers published in the same time in Volume 77. For more details about the *Journal* in 2014 or year-to-date 2015, please see the Scientific Editors' report and the Administrative Editor's report prepared by Didi Loynachan. Dr. Davidson shared that we are a little behind on submissions in 2015 than we were at this point last year.

Didi Loynachan discussed the Administrative Editor Report, mentioning that we have added additional back issues on line for the *JFP* and even going back to the *Journal of Milk and Technology*. Any individual member subscriptions (including institutional subscriptions) will get access to all content, including back issues, of *JFP*. Several new categories for manuscripts to be submitted have been added to the online submission category (food toxicology). An online Copyright release form has been added to facilitate faster resubmissions. The current impact factor for *JFP* is 1.849. *FPT* and *JFP* are now sharing the same database of authors and editors using the Allentrack software. This streamlines the log in process for authors and editors.

Strategic Review Report – Judy Luther, the author of the report, provided a follow-up document summarizing a strategic review of *JFP*. Ms. Luther has been a consultant for the past 18 years working in the publishing industry. She is a past president of the Society for Scholarly Publishing. She focuses on changes that occur in the publication industry. She conducted interviews with the Board, the Scientific Co-Editors, several *JFP* Management Committee members, as well as an analysis of the industry data regarding the Impact Factor (IF). Vijay Juneja, as Chair of the *JFP* Impact Factor Subcommittee also led the effort to propose several recommendations to the Board (which were shared with Ms. Luther). The focus of this report was on the IF. As a metric, IF covers the number of citations over the past two years against the number of papers published. The IF has grown

in significance and its implications in higher education have grown as many academic and other research institutions track the IF for journals where faculty members and researchers publish their papers to assess them for promotion and retention. Thompson Reuters IF measurement is the gold standard used by most scientific journals. *JFP* falls into Food Science & Technology and Biotechnology & Applied Microbiology (second and third quadrants, respectively).

Download statistics for articles published in most online journals are tracked. Research funding agencies are beginning to pay attention to broader metrics such as number of tweets, blogs, and other “social impact” indicators. The Becker Model, for example, measures 7 factors including “reduction of morbidity” and “economic benefit” that are relevant to *JFP*, and the website altmetrics.com also gauges these “other” metrics for the impact which publications in a specific journal may have.

A question was raised around the benefits of metric tracking and the potential benefit to *JFP*/IAFP. Alternative factors will be other metrics that emerge in parallel over the next 3–5 years. Another question was raised around how research funding agencies use metrics. They are looking at the need for it and they are aware that attention needs to be paid in other areas (such as social), but at this point it does not go beyond this.

In Ms. Luther’s report, various editorial categories were presented including: journal scope, new journal, submissions/rejections, and COPE (Committee on Publication Ethics). Visibility and accessibility was reviewed as it pertains to Google Scholar, early release of accepted articles, access opportunities, and various platforms (IAFP uses the Ingenta Connect platform – others such as HighWire exist). A question was raised regarding other journals experience about switching platforms. Allen Press has done transitions quite well, but you should allow for approx. one year for the transition to a new online publication platform. All content (new and archived) would be available during the transition. This is a significant process and should not be taken lightly, but it is possible. If a platform is not suiting *JFP*’s needs for discovery and visibility, it may be worth switching to a more valuable platform. HighWire (as opposed to the current online platform, Ingenta) offers some unique innovation that other platforms do not currently possess. Close examination of costs, workflows, industry standards, etc. *Applied and Environmental Microbiology* is the only competing journal with *JFP* that is currently on Highwire. David Tharp indicated we are paying \$10–15,000/year for services on Ingenta Connect, and Highwire’s costs would be between \$40 – \$50,000/year.

The financial analysis completed indicated that Open Access models have strongly influenced the way publishers relate to libraries as subscription rates decline. Page charges have largely been eliminated by commercial publishers.

During the discussion around the report, the Board members indicated that progress on issues related to improving the IF of *JFP* would be worked on by a joint task force consisting of Board members and members of the *JFP* Management Committee and a potential prioritization of issues would occur at the October Board meeting. It was proposed that the three Board members and volunteers from the *JFP* Committee could develop a formal plan for the October meeting of what would be implemented, when it could be completed, and how it would be executed. As changes are being implemented, the metrics to indicate progress (answer: possibilities include downloads/usage; no. of submissions) should be considered. Being more strategic about *JFP* vs.

*FPT* placement could benefit the IF. Immediate actions items could include approaching authors of review papers which have appeared in *JFP* within the last 10 years and ask them if they would be willing to submit an update mini-review. Also, eliminating the additional page charges when authors choose the Open Access option (for a fee of \$3,000) should be immediately considered. Evaluating factors that improve the time of 8 months between acceptance of articles in *JFP* and their appearance in-print should also be considered. The time between acceptance and publication should also be a priority.

There is a relationship between IF and number of papers published, but the submission rate fluctuates widely on its own. Developing a strategy such as increasing the IF by being more selective in the papers published could increase in the Impact Factor but also impact resources that *JFP* readers and IAFP members use as a primary resources for their professional duties. Ms. Luther suggested that Thompson Reuters will provide these specific data related to *JFP* for a fee (unknown what that would cost).

Discussion also addressed that measuring IF presents a significant lag time. For example the *JFP* IF for 2014 will not be available until the Spring/Summer of 2017 so it may be hard to gauge any changes made to *JFP* and their effect on the impact factor. It was suggested IF of >2.5 should be the goal of *JFP* but the timeline to achieve that remains unclear. How *JFP*’s metrics compare to other similar journals is valuable.

Because the IAFP organization is smaller and more nimble (compared to Elsevier), the organization potentially has an advantage that we can be more versatile in its decisions to adjust its strategy. There was a discussion that the list of recommended changes should occur for *JFP* regardless of the impact on IF because they would represent “author services.”

Concerning more integration with *FPT*, but every article should have a chance to be peer-reviewed, so articles that may be considered for publication in *JFP* should be forwarded on to *Food Protection Trends*. Concerning this point, it was suggested to ask the IAFP membership where they prefer to publish manuscripts and why or why not they may or may not publish in *JFP*.

#### Recommendations to the Executive Board:

1. The *Journal of Food Protection (JFP)* Management Committee suggests the following members to join the Board-led sub-committee (chaired by Alejandro Mazzotta) to address changes to *JFP*: Manan Sharma, Vijay Juneja, Sean Leighton, Elliot Ryser (represent the scientific coeditors). A Non-*JFP* Management Committee members suggested to be on the taskforce is Steve Kenney.
2. If an author chooses to publish their article in *Journal of Food Protection* under the “Open Access” the author should only be charged a flat \$3,000 fee and not be charged for additional page charges.
3. Conduct a survey among IAFP membership seeking insights into the choice or reluctance to publish in *Journal of Food Protection* and *Food Protection Trends* with questions to be developed by Impact Factor Taskforce, *JFP* Management Committee, and *Food Protection Trends* Management Committee.
4. Ask the Scientific Editors to establish a formal effort (to be implemented at the Editors’ discretion) to invite authors (either previously published authors in *JFP* or other prominent authors) to submit a mini-review article to *JFP*.

5. Request additional data specific to citations used to calculate Impact Factor from Thomson Reuters (as suggested by Judy Luther) to provide more data for Impact Factor Committee. Judy Luther should be consulted on specific data request to be made.
6. Consider providing an incentive for *JFP* Editorial Board members to publish in *Journal of Food Protection* (e.g., reduced or eliminated page charges for an article on a recurring basis).

**Next Meeting Date:** July 31, 2016.

**Meeting Adjourned:** 12:02 p.m.

**Chairperson:** Manan Sharma.

### Program Committee

**Members Present:** Alvin C.B. Lee, Renee Boyer, Yuhuan Chen, Tong-Jen Fu, Dale Grinstead, Mark Kreul, Mark Moorman, Brian Sauders, Manpreet Singh, Tori Stivers, Jarret Stopforth, Peter Taormina, Jane M. Van Doren, Dan Erickson and Joshua Gurtler.

**Members Absent:** Bradley P. Marks and Caroline Smith DeWaal.

**Board/Staff Members Present:** Linda Harris and Tamara Ford.

**Meeting Called to Order:** 7:35 a.m., Tuesday, July 28, 2015.

**Introductions:** Introductions were made. Joshua Gurtler commended the committee members for a fantastic program.

**The Process:** Tamara explained the process for the 2016 process. October 6 is the deadline for symposium, roundtable and workshop proposals. The Committee will review all of the submissions using the online system, and will meet via conference call on October 21 at 9:00 a.m. Eastern Time to select proposals for further development. Committee members should plan on a 4–6 hour conference call.

The submission deadline for abstracts is January 19, 2016. The Committee will again review all symposium, roundtable and workshop proposals. The Committee will be divided into four teams, and each team will review one-fourth of the abstracts. The Committee will meet in St. Louis, February 19–20, 2016, to select abstracts and sessions for IAFP 2016. The committee asked for mobile-friendly review and area of expertise selection for judging.

IAFP 2015 Evaluation – The Committee provided feedback concerning IAFP 2015.

Poster no-shows – Tamara will add a sentence into the acceptance letter that says to apply for VISA immediately. The lack of VISA seemed to be the reason for late withdrawn posters.

App – Works much better this year. The committee recommends having the same app, but with updates, so that it doesn't need to be downloaded every year. Tamara argued that people might not keep it on their phone year-round. The committee also suggested having surveys on the app, similar to other meetings.

Student Session Monitoring – address the issue of students not knowing what to do in case of technical issues and being distracted by technology.

Technical Session Convenors – use graduate students within area of expertise.

PDG – Making sure PDGs have clear direction for proposals and PDG meetings.

Rejected proposals – suggest for webinars and follow-through.

### Recommendations to the Executive Board:

1. Consider arranging Webinars for symposia that were good proposals, but were not accepted.
2. Make sure PDGs have clear direction for proposals and PDG meetings.

Alvin thanked the Committee for coming and adjourned the meeting.

**Meeting Adjourned:** 8:40 a.m.

**Chairperson:** Alvin C. B. Lee (Vice Chair).

## SPECIAL COMMITTEES

### 3-A Committee on Sanitary Procedures

**Members Present:** Ronald H. Schmidt, Dan Erickson and Allen Saylor.

**Board/Staff Members Present:** M. E. Parish.

**New Members Present:** Rachel Courtney, Michele Ybarra, Gina Flores, Brent Brehmer, Tom England, Cristal Garrison, Chris Crumly, Erika Bogнар, Cory Radloff, John Allen, Evan Rosen, Nadia Narine, Eolyta Margas and Vanumkumer Bhattoram (student liaison).

**Visitors/Guests Present:** Jessica Brown, Erica Anderson-Deoina, Thomas Bell, Xuan Zhang, Angela McMurray, and Jared Parko.

**Meeting Called to Order:** 10:00 a.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Dan Erickson.

### Old Business:

Schmidt reviewed IAFP Antitrust Guidelines and Parish provided an IAFP Board perspective and overview.

Schmidt provided an overview of:

- 3-A CSP – what it is, its role with IAFP in developing and presenting education programs and participating in the IAFP Sanitary Equipment and Facility Design Professional Development Group (SEFD-PDG), and its important role within the standards development process of the the 3-A Sanitary Standards Inc. (3-A SSI) as the “Sanitarian” interest group of the 3-A triage.
- Recent 3-A SSI educational and outreach activities including website improvements, online newsletter, and travel scholarship program for students to attend the 3-A SSI annual meeting.
- The newly released 3-A General Requirements Standard.
- CSP Activities with 3-A SSI during the past year.

Sayler provided an overview of the workshop *Advance Food Processing Equipment Design to Enhance Food Safety*, held on Friday, July 24, 2015. Organizers were Allen Sayler and Robert Hagberg. The workshop was collaboratively developed and presented by the Sanitary Equipment and Facility Design PDG and 3-A CSP.

**New Business:** Guest Speaker, Tom England, Kollmorgen Corp. provided a presentation *Thinking Hygienically about Motor Design*.

Symposium topics discussed included:

- Economics and Value of Sanitary Design
- Non-product Contact and Ancillary Equipment
- Welding and Bonding in Food Equipment Fabrication and Modification

Webinar Topics Discussed:

- Webinar modules for training maintenance and engineering staff in food processing facilities.

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

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri.

**Chairperson:** Ronald H. Schmidt (acting on behalf of Paul Dix).

### Committee on Control of Foodborne Illness

**Members Present:** Ewen Todd, Judy Greig, Bobby Krishna, Jack Guzewich, Sophia Kathariou, Ruth Petran, Ben Tall and Jane Van Doren.

**Board/Staff Members Present:** Tim Jackson and Didi Loynachan.

**New Members Present:** Roger Maehler, Yifan Zhang, Uelinton Pinto, Etsehiwot Gebreselassie, Asha Prasad, Hudaa Neetoo and Rory Gonzales.

**Visitors/Guests Present:** Lisa Hainstock, Rachel Klos and Daniel Maxson.

**Meeting Called to Order:** 8:11 a.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Judy Greig.

**Old Business:**

1. Symposia/roundtable reviewed for this annual meeting: Challenges to Modernization for Safe and Secure Food in the Middle East; The Evolving Patterns for Publishing Science.
2. Ewen reported on behalf of Marilyn Lee on the progress of the waterborne disease manual; it is at the final draft stage, and any further comments can be made until the end of the annual meeting, and then it will be submitted for publication by Springer. The Committee passed a motion to officially recognize the contribution of Marilyn Lee to the revised *Procedures to Investigate Waterborne Illness* manual.

3. The vector-borne manual (rodent-borne and arthropod-borne) will be reviewed by experts in the area before being considered published online (Judy).
4. Several members of the Committee thought vignettes/boxes were useful additions to the 100 Year History of the Committee to be submitted to *FPT* (Ewen).
5. Viral and parasitic portions of *Diseases Transmitted by Foods* Manual (3rd edition) completed but need to be added to the table. Individuals need to be identified to contribute to biotoxin, plant toxicant, and chemical sections. (Ewen and Judy.)
6. Note from Springer concerning *Procedures to Investigate Foodborne Illness*: Lifetime sales from 2011: 3,814 print, 9 electronic in 2014 sales, 1,505 print, 3 electronic in 2015 sales through May: 102 print, 2 electronic. Lifetime downloads from our e-package: 681.
7. The Committee discussed the use of Dropbox and Sharepoint as methods to share documents particularly during revisions of the *Diseases Transmitted by Foods* manual. Discussions will be held with IAFP staff concerning their use (Ewen to check with IAFP's staff for input before proceeding).

**New Business (proposed symposia titles):**

1. What metrics are being considered to measure the effectiveness of regulatory food safety programs such as FSMA.
2. Late-breaking outbreaks: e.g., 2 North American and 1 international outbreak, such as current outbreak example of *Cyclospora* in cilantro from Mexico which could result in blocking importation of produce from certain countries or regions.
3. International food safety symposia with speakers from countries not previously presented at IAFP such as Pakistan, Jordan, Turkey, Saudi Arabia, each to pick a different aspect.
4. International approaches to safe use of irrigation and wash water in the face of water shortages.

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

**Next Meeting Date:** July 30, 2016, St. Louis, Missouri.

**Meeting Adjourned:** 5:25 p.m.

**Chairperson:** Ewen Todd.

### Constitution and Bylaws Committee

**Members Present:** Kathleen Glass, Jenny Scott, Steve Murphy and Zeb Blanton.

**Board/Staff Members Present:** Tim Jackson.

**Visitors/Guests:** Andrea Palazvelos.

**Meeting Called to Order:** 11:06 a.m., Saturday, July 25, 2015.

**Recording Secretary of Minutes:** Kathleen Glass.

**Approval of 2014 Minutes.** Motion to approve the 2014 minutes by Jenny Scott, seconded by Steve Murphy.

**Old Business:** None.

**New Business:** Bylaws Revision of Section V., Publications. Will be presented at the IAFP Business Meeting for membership vote.

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

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri.

**Meeting Adjourned:** 11:22 a.m.

**Chairperson:** Kathleen Glass.

### Foundation Committee

**Members Present:** Vickie Lewandowski (Chair), Peggy Cook, Emilio Esteban, Judy Greig, Mickey Parish, Jenny Scott, Wendy White and Randy Phebus.

**Advisors Present:** Zeb Blanton and Kathy Glass.

**Board/Staff Members Present:** David Tharp, Don Zink, Tim Jackson and Lisa Hovey.

**Meeting Called to Order:** 7:30 a.m., Tuesday, July 28, 2015 by David Tharp, sitting in for Vickie Lewandowski (delayed on her arrival to the meeting).

**Recording Secretary of Minutes:** Wendy White.

**Old Business:** Motion to approve the 2014 minutes by Jenny Scott; second by Emilio Esteban; unanimously approved.

Financial Reports: Balance Sheets and Statements of Activities for nine months ending May 31, 2015, twelve months ending August 31, 2014, the previous twelve months ending August 31, 2013, and the 2016 budget were reviewed by the Committee members. It was noted that the Board Recommendation of moving \$100,000 of Foundation general fund monies to the DSIP (Diversified Stock Investment Program) Investment was not pursued, last year, on the recommendation from our financial advisor.

On a motion by Wendy White, the committee recommended consulting our financial advisor regarding the possibility of reducing our investment in the Foundation Account by approximately \$100,000 and moving these funds to the DSIP Investment. The motion was seconded by Randy Phebus; unanimously approved (with abstentions from government members).

**New Business:** On a motion by Jenny Scott, the committee recommended increasing our travel support for individuals from Countries with a Developing Economy from one to having two recipients; second by Emilio Esteban; unanimously approved.

The committee reviewed the current Foundation fundraising progress during the Annual Meeting. At the time of this meeting, over \$15,000 had been raised at the booth (less than same time last year), earning the generous matching donation of \$10,000 from Fred Weber.

The Silent Auction proceeds were approximately \$12,000, which was up from last year's efforts; it was also noted that the number of donated items was up from the previous year.

The Foundation fundraising booth, collectable coins, and interactive donation thermometer were considered successful. There was general discussion of offering a stand or framed mounting for the coins at a future meeting and possibly having a limited amount of coins struck in a precious metal. It was also noted that all efforts should be made next year to place the booth in a predominant location, close to the exhibition hall.

There was general discussion on adding an auxiliary (possibly mobile) Foundation fundraising booth, which could be located inside the Exhibition Hall during next year's Annual Meeting.

There was also discussion regarding an initiative to follow-up on past winners and video their success stories. These stories could be displayed at the Foundation booth to inform IAFP members on the benefits of these travel programs.

**Recommendations to the Executive Board:**

1. Consult our financial advisor regarding the possibility of reducing our investment in the Foundation Account by approximately \$100,000 and moving these funds to the DSIP Investment.
2. Expand the Travel Award for a Food Safety Professional from a Country with a Developing Economy to two (2) recipients for 2016.

**Next Meeting Date:** July 31 at IAFP 2016 and via Teleconference.

**Meeting Adjourned:** 8:25 a.m.

**Chairperson:** Vickie Lewandowski.

### Membership Committee

**Members Present:** Susan Linn, Lawrence Goodridge and Zeb Blanton.

**Board/Staff Members Present:** Lisa Hovey, Don Zink and Mickey Parish.

**New Members Present:** None.

**Visitors/Guests Present:** None.

**Meeting Called to Order:** 3:07 p.m., Friday, July 24, 2015.

**Recording Secretary of Minutes:** Lawrence Goodridge.

**Old Business:** None.

**New Business:** Membership continues to grow with approximately 1,000 new members since 2005. However, membership in Canada is dropping. One reason given that membership in Canada is decreasing is that there seems to be a general feeling that the specific interests and needs of Canadian members are not being met. It was noted that the IAFP Annual Meeting is still largely driven by issues that are of importance to U.S. attendees. Therefore, it was suggested that region specific symposia should be considered, as a way to increase interest from non-U.S. members.

It was also discussed that while membership is growing, the growth was occurring without any direct efforts from IAFP, and that there needs to be more effort at understanding why

the growth is happening, including, from which countries and regions, and which disciplines and sub-disciplines within food safety.

**Committee Action Items:**

- A. Evaluate enhancements to the toxicology program to attract more toxicologists to the group.
- B. Investigating ways to better engage affiliates in attracting new members.
- C. One reason given that membership in Canada is decreasing is that there seems to be a general feeling that the specific interests and needs of Canadian members are not being met. It was noted that the IAFP Annual Meeting is still largely driven by issues that are of importance to U.S. attendees. Therefore, it was suggested that region specific symposia should be considered, as a way to increase interest from non U.S. members.

**Recommendations to the Executive Board:**

1. Request to have IAFP members (including students, industry, government, and industry members) submit short one-minute video testimonials. The clips would be screened for appropriateness and could be posted on the IAFP website and used in IAFP presentations.
2. Permission to investigate the development of a virtual affiliate to engage members and attract new members from remote areas.
3. Region specific symposia should be considered as a way to increase interest from non-U.S. members.

**Next Meeting Date:** September 2015.

**Meeting Adjourned:** 4:45 p.m.

**Chairperson:** Susan Linn.

### Nominating Committee

**Members Present:** Karl Matthews (Chair) and Emilio Esteban (Vice Chair).

**Board/Staff Members Present:** Alejandro Mazzotta and David Tharp.

**Meeting Called to Order:** 4:00 p.m., Saturday, July 25, 2015.

**Recording Secretary of Minutes:** Karl Matthews.

**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:** 5:18 p.m.

**Chairperson:** Karl Matthews.

### Past Presidents Committee

**Members Present:** Katherine Swanson (Chair), Don Schaffner (Vice Chair), Gary Acuff, James Dickson, Jeffrey Farber, Kathleen Glass, Robert Gravani, Jack Guzewich, Gale Prince and Jenny Scott.

**Board/Staff Members Present:** Donald Zink and David Tharp.

**Meeting Called to Order:** 3:30 p.m., Friday July 24, 2015.

**Recording Secretary of Minutes:** Don Schaffner.

**Old Business:**

- Review and approve 2014 minutes. Motion by: Jack Guzewich. Second: Robert Gravani. Minutes approved as written.
- Matters arising from minutes. There was no response from *National Geographic* despite repeated attempts to contact them on food-related efforts. David Tharp provided an update on the social media activities of IAFP.

**New Business:**

- Report from IAFP Executive Board – Don Zink. Don provided an update on the affairs of IAFP.

Gale Prince raised the issue of how to encourage nominations for fellows, especially of those that are not past presidents. This turned to a larger discussion of general mechanisms for encouraging award nominations. Those mechanisms could include engaging the PDG chairs and past award winners.

**Recommendations to the Executive Board:**

1. Approve Don Zink as incoming Vice Chair.
2. The Executive Board PDG talking points should include an encouragement of PDG members to encourage award nominations.
3. The board should re-evaluate the Nominating Committee selection and operating process to ensure it meets our current needs. Options could include adding Past Presidents to the Committee and terms of office for the Nominating Committee (as with most other IAFP Committees).

**Meeting Adjourned:** 4:38 p.m.

**Next Meeting Date:** July 30, 2016, St. Louis, Missouri.

**Chairperson:** Katherine Swanson.

## PROFESSIONAL DEVELOPMENT GROUPS

### Advanced Molecular Analytics PDG

**Members Present:** David White (Chair), Eric Brown, Catherine Carlin, Kristine Clemens, Atin Datta, Xiangyu Deng, Ted Gatesy, Kirsten Hirneisen, Yasuyoshi Komoto, Clyde Manuel, Matthew Moore, Jean-Francois Mouscadet, Alma T. Perez-Mendez, Palmer Orlandi, Sophie Pierre, Jean Schoeni, Carmen Tartera and Siddhartha Thakur.

**Board/Staff Members Present:** Tim Jackson.

**New Members Present:** Marc Allard, Taylor Oberg, Meghan McDonough, Stephen Lyon, Shaohua Zhao, Xiangwu Nou, Lawrence Goodridge, Douglas Marshall, Michele Williams, Christine Aleski, Jesse Miller, Jayanthi Gangiredla, LuXin Wang, Patrick Fach, Nathalie Brosse, Bettina Groschel, Anja Bubeck-Barrett, Brian Himelbloom, Patrick Banerjee, Jean-Phillippe Tourniaire, Reid Ivy, Brianna Buschbach, Weimin Wang, Tamara Wood, Chee Zheng, Gireesh Rajashekara, Solomon Gebru, Chun Wang, Wen Zou, Joe Meyer, Anthony Bashall, Hediye Cinar, Karen Jarvis, Karen McWilliams Wilson, Scott Benko, Jared Parko, Ben Tall, Jing Bai, Polly Courtney, Reginald Bennett, Sunee Himathongkham and Greg Siragusa.

**Visitors/Guests Present:** Hidetabe Esaki, Sun Kim, Hyun Jung Lee, Alice Wei, David Rasmussen and Patrick Williams.

**Meeting Called to Order:** 9:00 a.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** David White.

**Old Business:** David White was stepping down as chair so new elections were held for chair and vice-chair.

**New Business:** Discussion regarding AMA PDG sponsored and co-sponsored symposia at this year's IAFP meeting reaffirmed the need and interest of our PDG. Several presentations were made at the meeting including updates on Eurofins and DuPont Detect and Protect (Greg Siragusa), FDA's GenomeTrakr Program (Marc Allard), the Global Microbial Identifier (GMI) initiative (Marc Allard) and FDA's Food Safety Challenge (Palmer Orlandi). Lively discussion concerning potential symposia, webinars and workshops for next year among PDG members and numerous concepts were put forward for further discussion as well as ideas for collaborating with other PDGs for joint symposia.

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

1. Approval of Dr. Greg Siragusa for Chair and Dr. Palmer Orlandi for Vice-Chair.

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri.

**Meeting Adjourned:** 10:40 a.m.

**Print Chairperson Name:** David G. White.

### **Applied Laboratory Methods PDG**

**Members Present:** Omar A. Oyarzabal (Vice-Chair, acting as Chairperson), Patrice Arbault and Christopher C. Snabes (Acting Secretary), Leen Baert, Daniel D. Belina, Reginald W. Bennett, Preetha Biswas, Joseph M. Bosilevac, Catharine R. Carlin, William E. Chaney, Hsiaoli Chen, Yi Chen, Stefano Colombo, Nigel Cook, J. Philip Coombs, Polly D. Courtney, Julian M. Cox, Vanessa M. Cranford, Gregory Devulder, Erin Dreyling, David J. Evanson, Jeffrey M. Farber, Ted Gatesy, Paul A. Hall, Pheakdey Ith, Andy Jacobson, Brenda W. Keavey, Sun K. Kim, Jeffrey L. Kornacki, Pancita Manalili, Ann Marie McNamara, Molly F. Mills, Rodney A. Moxley, Sam R. Nugen, Modesto Olanya, Alma T. Perez-Mendez, Deana Rolheiser, Jean Schoeni, Stacy K. Stoltenberg, Rico Suhalm, Iryna Sybirtseva, Ben D. Tall, Sandra M. Tallent, Peter J. Taormina, Leslie K. Thompson, Laura Tobilla, Thierry Sofia, Purnendu C. Vasavada, Morgan Wallace, David G. White, Tamara L. Wood and Wen Zou.

**Board/Staff Members Present:** Mickey E. Parish.

**New Members:** Idrista Samandoulgou, Salina Parveen, Robert Butara, Erdogan Ceylan, Jennifer Hait, Mark Dawson, Willis Fedio, Sunee Himathong-Kham, Palmer Orlandi, Andrea Cipriani, Stephanie Wilkins, Lisa Leier, Pam Coleman, Veronica Ponnuthurai, Claudia Narvaez Bravo, Amanda Pashenee, Melody Thompson, Arun Bhunia, Stacy Murphy, Rachel Binet, Jose A. Gene, Martin Duplessis, Joe, Zindulis, Kris Young, Hyun-Gyun Yuk, Xiaonan Lu, Karen McWilliams-Wilson, Scott Benko, Christophe Dufour, Vladimir Glukhman, Chun Wang, Tracy Meyers, Megan Jacob, Carrie Hughes, Jing Bai and Frank Pollari.

**Visitors/Guests Present:** Uta Gusanov, Lisa Leier, Pam Coleman, Stacy Murphy, Eric Handy, Adam Smith and Kenna Smith.

**Meeting Called to Order:** 3:04 p.m., Saturday, July 25, 2015 by Omar A. Oyarzabal.

Omar explain that the current officers for the PDG are: Hari Dwivedi, Chair, Omar A. Oyarzabal, Vice-Chair, and Keith Lampel, Secretary. Omar also explained that the current Chair and Secretary were not able to attend the present meeting. Omar introduced Patrice Arbault and Christopher C. Snabes (Members) as recording secretary of minutes.

**Recording Secretaries of Minutes:** Christopher C. Snabes and Patrice Arbault.

**Old Business:** Omar thanked everyone for coming and showed the welcome message from Chair Hari Dwivedi.

**Adoption of 2014 Committee Meeting Minutes:** Omar ask for any changes to the 2014 ALM-PDG Minutes. No changes were given and Omar asked the adoption of the 2014 minutes. The 1st motion for approval was given by Patrice, 2nd motion by P.C. Vasavada. The 2014 minutes were approved without further discussions.

Christopher Snabes read the "What You Can Not Do" from the Antitrust Guidelines from IAFP.

Mickey Parish from IAFP Board gave update on how IAFP is doing: Record attendance this year, approximately 3100 participants; membership for 2015 is approximately 4200. Mickey encouraged everyone to attend Lunchtime meetings and reminded the audience that Secretary nominations are due October 1, with emphasis on two members from academia to serve. Mickey also said that the Association is looking for the expansion of the webinar series.

P. C. Vasavada gave a tribute to Scott Russell and Kurt Westmoreland gave a tribute to Dr. Silliker.

Omar reviewed the seven (7) symposia that were organized by ALM PDG members or by members form this PDG in collaboration with other PDGs. These symposia are:

Sunday, July 26

- The black box of qualitative performance standards for meat and poultry: the drive to quantitate *Salmonella*. RT3 10:30 AM–12:00 PM, B113 – B114

Monday, July 27

- The puzzle of microbial traceability: unraveling through industrial and regulatory know-how. S24 10:30 AM–12:00 PM, Oregon Ballroom 203
- Chasing "zero": how likely to reach success? S30 1:30 PM–3:00 PM, Oregon Ballroom 201



- What's on your plate or what's that in your suitcase: what exactly is coming in from our imports? S36 3:30 PM–5:00 PM, B113 – B114

Tuesday, July 28

- Nanotechnology based approach for the inactivation of foodborne microorganisms. S53 8:30 AM–10:00 AM, B117 – B119
- Global lab capacity building – Training for ensuring food safety. S51 8:30 AM–10:00 AM, B115 – B116
- Bacteriophages for food safety: advances in prevention and detection. S50 10:30 AM–12:00 PM, B113 – B114

#### New Business:

**Timely Topics, Interactive Discussion:** Melody Thompson from Cargill discussed *Salmonella* limits testing using quantification techniques. Her company has used three molecular platforms, each from a different manufacturer.

Martin Wiedmann from Cornell University gave an update on the 11 new *Listeria* species that he believes should not be part of the genus *Listeria*. Some of these species have unusual properties and behavior and are more closely related to *Listeria grayi*.

Sandra Tallent from the Food and Drug Administration gave an update on the detection methods for 23 enterotoxins from *Staphylococcus aureus* and *B. cereus* toxins. There is an ISO method in draft form for detection of *B. cereus* toxins. The HACCP plans for high moisture foods may have to incorporate detection of these enterotoxins in the future in the USA.

Joseph M. Bosilevac from the Agricultural Research Service of the U.S. Department of Agriculture gave an update on the top six STECs, and discuss the lack of agreement among current methods for proper detection of all STECs. Enrichment steps and template set-up are the most important steps.

Jeff Farber, now with Guelph University, introduced Martin Duplessis from Health Canada, who in turned gave an update on the Canadian Microbiological Methods committee. Martin stated that all *E. coli* O157:H7 methodologies are under review this year, and that all *Salmonella* methods will be reviewed next year.

Rodney A. Moxley from the University of Nebraska-Lincoln gave an extensive update on all STEC CAP programs. All projects are progressing nicely with much benefits being produced.

Christopher Snabes read the write-up submitted by Lee-Ann Jaykus, North Carolina State University, on the USDA-NIFA Food Virology Collaborative (NoroCORE) project. The summary included an update on detection, epidemiology and risk assessment, prevention and control, extension and outreach and capacity building.

**Creation of Special Interest Groups:** Christine Aleski from 3M reminded the audience that there are several other PDGs working out ideas related to sample preparation. The committee on foodborne diseases has put together a useful chart that links pathogens with the most common food commodities. There is a need for the design of validation methods, new sampling protocols for poultry and the need to collaborate with other PDGs.

Phil Coombs commented that after the last teleconference Andy Jacobson and Iryna Sybirtseva have volunteered to help re-organize the sample preparation sub-group. Phil will help coordinate this sub-group that was lead before by Lee-Ann Jaykus and Mary Lou Tortello, from the Food and

Drug Administration. Omar mentioned that Lee-Ann Jaykus and Hari Dwivedi are working on a workshop on norovirus detection methods.

Christine and Omar commented on a survey that the PDG officers may organize in fall 2015 to get feedback from PDG members. The objective is to find out more about the kind of sub-groups the membership would like to see developed for this PDG. This survey will be used to identify some ideas for the organization of the meeting and for development of further communication tools among members.

**Symposia/Roundtables Proposals:** Omar opened up the discussion of proposals for symposia and roundtables for 2016. Participants made the following suggestions:

Patrice suggested a pre-meeting workshop on guidelines for challenge testing for any foodborne pathogen. The workshop could include growth, survival and inactivation of bacteria. This suggestion was made in response to the ISO Committee reviewing foodborne pathogens.

Jeff Kornacki ask if the PDG should suggest the proper methodologies to perform shelf life studies of different food commodities and how to propose accelerated shelf life studies. Omar reminded the audience that Catherine Cutter, Penn State, will be the convener for a symposium on shelf-life studies: Changing the Dogma on Meat Shelf Life, Monday, July 27, 2015: 10:30 AM–12:00 PM, Oregon Ballroom 202.

A new member suggested a symposium on enrichment method strategies for pathogen growth vs. normal background flora, and/or studying microbiota. Another new member suggested discussing environmental sampling methods and related transport devices, all in relation to using metagenomics in food to detect pathogens from background microflora to make food safety decisions.

No further suggestions or comments on symposia or pre-meeting workshops were available for IAFP 2016.

**Next Meeting Date:** Omar stated that the next teleconference will be held on Wednesday, September 16, 2015. The main goal of this conference will be the discussion of proposals for symposia, roundtables and pre-meeting workshop for IAFP 2016. The notice will be emailed to all members. The deadline for submission of proposals for IAFP 2016 is October 6th.

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

**Meeting Adjourned:** 4:55 p.m.

**Chairperson:** Omar A. Oyarzabal (Vice-Chair).

### Beverages and Acid/Acidified Foods PDG

**Members Present:** Fred Breidt, Wilfredo Ocasio, Emilia Rico, Margarita Gomez, Ben Tall, Meghan McDonough, Jason Richardson, Stephen Kenney, Frank Burns, Elke Kohler, Jena Roberts, Helen Akinruli, Jessie Usaga, Greg Burnham, Nina Parkinson, Larry Beuchat, Joe Shebuski, Barbara Ingham, Hisato Ikemoto, Deog-Hwan Oh, Indaue Mello, Daniel Quillen, Angelica O'Shaughnessy, Pam Sinderson and Jennifer Lee.

**Board/Staff Members Present:** Linda Harris.

**New Members Present:** Elsa Fakhoury, Eric Puenta, Fan Zhang, Laurie Petrey, Andrew Capps, Joseph Holt, Colm Scully, Quanhong Li, Daniel Maxson, Khalid Abdelrahim, Suchart Chaven, Erdogan Ceylan, Rachel McEgan, Evelyn Gutierrez, Michelle You, Florence Dufour, Noemie Desriac and Kevin Smith.

**Visitors/Guests Present:** Rob Samson, Debbie Lohmeyer, Aparna Tatavarthy, Alex Puerta-Gomez, Alice Wei, Stefan Edlund, Katherina Pruss, Daniel Maxson, Sylvia Bergman, Carmen Velasquez, Fuyuki Aoyama, Hidetake Esaki, Jos Houbrfaken, Naresh Magan, Ludwig Niessau, Kubota Hiromi and Angelica Monarrez.

**Meeting Called to Order:** 1:00 p.m., Saturday July 25, 2015.

**Minutes Recording Secretary:** Wilfredo Ocasio.

**Old Business:** Approval of meeting minutes.

**New Business:**

- Election of vice-chair. Two candidates (Wilfredo Ocasio and Daniel Quillen) were introduced and a vote was held. Wilfredo won by a clear majority.
- Emilia Rico reported on successful completion of Spoilage Fungi Workshop.
- Brief talks to stimulate discussion and symposium ideas were given by:
  - Mr. Kevin Smith, FDA, Director of Retail Food Protection Staff, Center for Food Safety and Applied Nutrition. Spoke on the emergence of small scale fermentation in food service, risks and regulatory challenges. Strongly recommended this subject as potential theme for a symposium or roundtable.
  - Dr. Rob Samson, Royal Netherlands Academy of Science (Amsterdam) at the CBS-KNAW Fungal Biodiversity Centre and group leader of the Applied and Industrial Mycology. Spoke on recent changes in fungal taxonomy driven by molecular analysis.
- A brief introduction to a potential workshop topic on ISO standards (see below) was given by Noemie Desriac. Support from PDG was requested to move forward with this workshop.
  - Participant feedback (Barb/Indaue) was that useful guidelines are already available through NACMCF publications. If moving ahead with workshop, side by side comparison should be presented with NACMCF Guidelines so as to assure consistency. However, an ISO standard is valuable because of ISO's international reach and acceptance.

**Recommendations to the Executive Board:**

1. We recommend Wilfredo Ocasio be confirmed by the Board as Vice-Chair of the Beverages and Acid/Acidified Foods PDG.

**Next Meeting Date:** July 31, 2016. Conference calls to discuss symposia and roundtables scheduled for: Wednesday, August 12th, 11:00 a.m., Tuesday, September 15th, 11:00 a.m., and Thursday, October 1st, 11:00 a.m.

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

**Chairperson:** Fred Breidt.

## Dairy Quality and Safety PDG

**Members Present:** Gary Dawn C. Terrell, Yvonne C. Masters, Patrice Arbault, Roger L. Cook, Dan Erickson, Rhonda Fraser, Eugene Frey, Deon Mahoney, Stephanie Olmstead, John T. Allan III, David F. Blomquist, Janice D. Bowermaster, Fritz Buss, Debra Churney, Nancy H. Eggink, Ted Gatesy, Kathleen A. Glass, Robert B. Hagberg, Erin M. Headley, William T. Huntley, Pheakdey Ith, Fritz W. Lembke, Amanda Matczynski, Thomas A. McCaskey, Steven C. Murphy, Ravinder Reddy, Alma Perez-Mendez, Amy Rhodes, Allen R. Saylor, Ronald H. Schmidt, Weilin Shelver, Larry R. Steenson, Thomas M. Taylor, Purnendu C. Vasavada and Edith Wilkin.

**Board/Staff Members Present:** Mickey E. Parish.

**New Members Present:** Frank Barcellos, Clint Stevenson, Gabriela Iordachu, Hayk Harutyunyan, Katherine Campbell, Melissa Schlabs, Karleigh Bacon, Robson Machado, Dan Belina, Yanying Pan, Fatemeh Ataei, Judy Fraser-Heaps, Martin Wiedmann, Rachel Miller, Dewi Yunita, Don Pagh, Eric Hollekim, Denise DuFresne, Clint Hervert, Elliott Zell, Emily Lyons, Taylor Oberg, Reid Ivy, Darrel Williams, Jarret Stopforth, Greg Desautels, Jennifer Rice, Donatien Kabore, Paul Hall, Jesse Miller and Wei Hsiang Chang.

**Visitors/Guests Present:** Dan Behler, Uta Gasanov, Renee Greenwell, Margaret Malloch, Nick Pesik, Tim Rugh, Anil Persad, Jie Xu, Vladimir Glukhman, John Orr, Catharine Carlin and Jeffrey Kornacki.

**Meeting Called to Order:** 1:05 p.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Yvonne Masters.

Welcome and sign in. Chair Dawn Terrell introduced herself, Yvonne Masters (Vice Chair), and Bob Hagberg (Past Chair). Head count at the meeting includes 49 from Industry (72%), 4 from Government (6%), 12 from Education (18%), and 3 from Other (4%). The agenda was reviewed.

All attendees (members and visitors) introduced themselves, Dawn Terrell read the Anti-Trust Guidelines for Association Meetings and Dr. Mickey Parish, IAFF Secretary/ Board Liaison, shared information on the status of the IAFF.

Mickey Parish presented Board Comments:

- Board Focus & Interest:
  - PDG members are encouraged to think more about webinars
  - Secretary nominations due October 1, 2015 (Academic Sector Candidates)
  - Award nominations are due in February

The minutes of the 2014 PDG meeting in Indianapolis, Indiana with the notice of the meeting and an agenda had been electronically distributed prior to this meeting. Minutes from 2014 meeting were read and approved.

Legislative Update:

- NCIMS 2015 highlights by Allen Saylor (CFSRS)
  - NCIMS 2015 is a Grade A Conference includes industry, state governments and FDA

- Two Major Changes for PMO plants
- FSMA applies to all food processing plants including Grade A plants. PMO and FSMA would inspect Grade A plants. By August 30, 2016, Grade A plants are required to have written hazard analysis, written environment program, written allergen program and written recall program, written supplier management, and written employee training program.
  - Drug residue testing – FDA released a draft risk assessment document; two year pilot test for various drug residues is being organized.
- Allen went over some additional updates including camel milk is now a Grade A product and will be on the market soon.
- Preventive controls checklist for dairy plants.
- FSMA-FSPCA update by Purnendu C. Vasavada (UWRF)
  - PC reviewed the Food Safety Preventive Controls Alliance (FSPCA). This alliance was formed to assist the regulated industry to comply with FSMA such as training as a “Qualified Individual”. It’s a public-private partnership.
  - Reviewed FSPCA Steering Committee.
  - FSMA requirements include written Food Safety Plan which includes more than HACCP.
  - Reviewed FSPCA Curriculum, Outreach and Technical Assistance information.
  - Discussed international engagement.
  - FSPCA Website: [www.iit.edu/ifsh/alliance](http://www.iit.edu/ifsh/alliance).
- New Zealand raw milk update by Roger L. Cook (NZ Ministry of Primary Industries)
  - Raw milk was being sold on the internet and farmers’ markets.
  - Risk assessment was performed including pathogen risk and no health benefits of drinking milk.
  - Food Act was updated for raw milk – Farm grade sales allowed but moved volume to 5 liters. Farmer can deliver to household that ordered it. Verification of financial transactions. Household cannot sell the raw milk. Farms must have risk management program for raw milk that includes specified hygiene requirement, good record keeping and verification.
  - Education programs for young and elderly about raw drinking milk.
- Current Oregon raw milk legislation by Frank A. Barcellos (OR Dept. of Ag.)
  - Raw milk regulations included raw milk cannot be advertised and limit the amount of production (limitation on # of animals that can produce raw milk).
  - Raw milk advertisement ban requirement was dropped due to constitution rights.
  - Farm-friendly exemptions and operate freely.

**Old Business:**

1. Symposia/roundtables/technical presentations/posters with dairy interest (Yvonne Masters).

2. Awards – nominations for 2016? Dawn encouraged members to nominate people for awards.
3. Review of recommendations to the Board (2014).

**New Business:**

- Election of Co-Vice Chair/Secretary
  - Congrats to Nancy Eggink our new Secretary for the Dairy PDG.
  - Review of IAFP/Dairy PDG web pages (<http://www.foodprotection.org/index.php>).
    - Dairy PDG website and the “Resources” tab. Link and resources of interest to the Dairy PDG can be put on the “Resources” tab with permission from IAFP.
- Appointment of a web page coordinator
  - Suggestion that the Secretary be the web page coordinator. This was agreed upon. Rob Machado offered to assist with web page coordination.
  - Discussion and agreement that relevant items may be considered for the Dairy PDG webpage (as long it meets the web page guidelines of the Committee Handbook, Dairy PDG, and IAFP).
- How to get your proposal accepted
  - Dawn discussed balanced presentation of education, government, and industry, and basic/applied science.
  - Discussed Program Committee and Standing Committee.
  - Annual Meeting statistics – reviewed membership breakdown of IAFP members and Dairy PDG members.
  - Martin Wiedmann discussed the symposium S64 Challenges in Dairy Spoilage – From Sporeformers to Yeast and Molds.
  - Review of Linda Leake’s “Tips for Successful Proposals.”
- Symposia and workshop suggestions for the 2016 Annual Meeting (July 31–August 3, America’s Center, St. Louis, Missouri). Deadline for submitting symposia and workshop proposals for IAFP 2016 is October 6, 2015.
  - Dairy PDG to support Better Process Cheese School (BPCS) workshop for the next IAFP. There is a lot of interest in having this workshop.
- Recommendations to the Board
  - Approval the succession of Dawn Terrell and Yvonne Masters to Chair and Vice Chair respectively.
  - Recommend that the board approve the newly elected co-vice chair/secretary Nancy Eggink.
  - Ability to go into IAFP website member profile to choose which PDG that the member wants to be in or opt out of the PDG distribution list.
- Conference calls for Dairy PDG.
- Conference call dates & times 2015/2016:
  - Wednesday, Sept. 30th, 2015 @ 3:00 p.m. CDT
  - Tuesday, Dec. 15th, 2015, 12:00 p.m CST
  - Friday Mar. 18th, 2016, 8:00 a.m. CDT
- Webinars

## Recommendations to the Executive Board:

1. Approve the succession of Dawn Terrell and Yvonne Masters to Chair and Vice Chair respectively.
2. Recommend that the board approve the newly-elected co-vice chair/secretary Nancy Eggink.
3. Provide ability to go into IAFFP website member profile to choose which PDG that the member wants to be in or opt out of the PDG distribution list.

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri.

**Meeting Adjourned:** 3:01 p.m.

**Chairperson:** Dawn Terrell.

## Developing Food Safety Professionals PDG

**Members Present:** Wendy White (Chair), Jessica Chen (Vice Chair), Katie Satchwell, Brita Bell, Diane Ducharme, Sean Leighton, Michelle Lovett, Amit Morey, Aaron Pleitner, Dina Scott, Laura Strawn and Angela Valadez.

**Board/Staff Members Present:** Mickey Parish.

**New Members Present:** Katie Shiraishi, Sarah Schober, Leo Mitchell, Andrew Capps, Enrique Garcia-Perez, Samjhana Dahal, Lori Costello, Shannon Coleman, Hayk Harutyunyan, Jorge Mosqueda, Lisa Moody, Chris Powers, Samantha Lindemann, Charles Chege, Robson Machado, Abebe Aberra and Julia Bradsher.

**Visitors/Guests Present:** Jaclyn Golemohammad, Isaac Rukundo, Suely Nakashima, Paul Winniczuk, Sudarsan Muralidharan, Giscla Berns and Dawanna James-Holly.

**Meeting Called to Order:** 9:10 a.m., Saturday, July 25, 2015.

**Recording Secretary of Minutes:** Katie Satchwell.

## Welcome and Introductions:

Wendy opened the meeting by reminding the members that there are four PDG sponsored sessions during this week's meeting and invited everyone to join the Developing Food Safety Professionals PDG LinkedIn Group Page. Katie Satchwell read the Antitrust Guidelines.

Mickey Parish (Secretary IAFFP Board), our executive board liaison, gave us a board update: provided information about state of the organization (growth, new members, record attendance of 2014 meeting), Over 3100 registered attendees for 2015 conference; three lunchtime meetings from 12:15–1:15, Merlin Mann and time management on Sunday, annual business meeting on Monday and Regulatory update from USDA/FDA on Tuesday. Actively seeking webinars from PDG's. Secretary nominations are due October 1, 2015 — Academic nominations only this term. Award nominations are due in February 2016. All *Food Protection Trends* articles and issues will be digitized soon—working to digitize all issues of *JFP* back to Issue 1, Volume 1.

**Old Business:** Reminder of elections for new Vice Chair of DFS PDG was mentioned.

## New Business:

1. Michelle Lovett, Eurofins executive, gave the talk, "What are Recruiters Looking for" that included career advice for young people on interviewing, fol-

lowing up, tips for writing an effective cover letter, what to ask your interviewer, performing research on company/job prior to interview, group interviews and strategies to stand out as a candidate.

2. Wendy White and Amit Morey jointly presented "Unlocking the Secret to Symposia Proposal Acceptance" which gave practical advice, including timelines, for submitting symposia and roundtable proposals to the program committee for inclusion in the subsequent conference.

## Symposia/Roundtable Proposal Discussion:

1. **Scientist to Entrepreneur: Taking the Leap** (working title) – As regulatory and industry needs expand, are gaps developing which need entrepreneurs to fill? Understanding the place for small consultants in our industry; hearing from established and new entrepreneurs on process to self-employment, advice, resources.
  - a. Organizers: Amit Morey and Sudarsan Muralidharan.
2. **How are We Going to Get Everyone Ready for FSMA?** (working title) – The training curricula are being developed, but how will we get everyone covered (2016 coverage); especially small companies?
  - a. Organizers: Diane, Julia Bradsher, Dewanna James-Holly and Laura Strawn.
  - b. Will collaborate with the Education PDG.
3. **Capacity Building: The International Perspective** (working title) – Possible roundtable to continue the conversation of finding and developing future food safety practitioners but from an international perspective.
  - a. Organizers: Amit Morey, Julia Bradsher, and Abebe Aberra.
  - b. Will collaborate with the International PDG and/or the Education PDG.
4. **International Perceptions in Food Safety** (working title) – Understanding the different philosophies and focus, different regions place on food safety in their food systems and culture. How understanding these cultural differences is vital to facilitating continued progress for food safety public health.
  - a. Organizers: Amit Morey, Sara Mortimore, and Wendy White.
  - b. Will collaborate with the International PDG.
5. **Future Food Safety: 2050** (working title) – What does the future of food safety look like? We'll hear from multi-generations, look at future of food safety technology, and learn from past leaps in food safety initiatives.
  - a. Organizers: Katie Satchwell, Wendy White and Amit Morey.

Angela Valdez mentioned an idea for a monthly webinar series that could be recorded and used as a mini-Professional Development Course. Topics will be rotated and include: Understanding Corporate Speak, Going from PhD student to instructor, Leadership Development, etc. We will reach out to the Education PDG for support and guidance.

There will be a PDG call planned prior to the October 6, 2015 symposia deadline to continue the collaborative discussion.

**PDG Membership Survey Results:** Meeting finished with a brief discussion led by Jessica Chen on what the membership would like to see in the coming year from the DFS PDG—as referenced from survey administered prior to meeting. Suggestions for a PDG sponsored mixer were discussed in addition to webinar on career development with advice on transitioning from academic to industry (sales/corporate) and transition from graduate school to work.

**Next Meeting Date:** July 31, 2016 or alternate date per the Board, America's Center, St. Louis.

**Meeting Adjourned:** 11:00 a.m. by Wendy White.

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

1. Development of a new recognition program, "IAFP's 40 Under 40." Forty IAFP members under the age of 40 years old would be recognized as developing professionals that have made strides in their respective fields and the organization. Each member would have to be nominated by a past president or existing Board member. This program would serve to encourage involvement in the organization by developing members and recognize potential leaders in our industry. We are not recommending that this be a recognition program and not be associated with a scholarship or prize. Possibly spotlighting these individuals in *Food Protection Trends* and during the Opening Session. Sean Leighton from Coca-Cola is the originator of this idea and can be contacted for further details and to improve on the process (selection, graduation from the program after the age of 40, etc.). The Coca-Cola Company has offered to sponsor this program (financially and otherwise).

**Chairperson:** Wendy Wade White.

### **Food Chemical Hazards and Food Allergy PDG**

**Members Present:** Ravindra Ramadhar, Ji-Eun Lee, Timothy Adams, Michael Roberson, Jena Roberts, Todd Rossow, Marianne Solomontis, Weilin Shelver, Dan Thompson, Michelle You, Joseph Baumert, Jack Cooper, Charles Czuprynski, Kevin Edwards, Miriam Eisenberg, T.J. Fu, Anthony Flood, Lauren S Jackson, Alison Kretser, Shaun Kennedy, Linda Leake, Mathew Moore, Michael Roberson, Jena Roberts, Todd Rossow, Gerard Ruth, Marianne Solomotis, Dan Thompson and Michelle You.

**Board/Staff Members Present** Tim Jackson.

**New Members Present:** Chuck Seaman, Jianmei Zhu, John Van Arsdale, Keng Ngee Teoh, Steve Taylor, Claudia Lucioni, Alex Bruner, Colin Choy, Prasad Rallabhandi, Cian O'Mahony, Robert Salter, Kaseem Akinwumi, Vanessa Ip, David Crownover, Chee Zheng, Rafiqul Islam, Brandi Crockett, Sally Klinec, Elizabeth Uriyo, Donna Womack, Kevin Smith, Lili He, Lee-Yan Sheen, Kristine Clemens, Anthony Bashall, Raquel Sobel, Deann Akins Lewenthal, Neil Bogart, Cheh-han Pu, Wei Hsiang Chang, Pingping Zhou, Yanyun Zhou, Xuotong Fan, Changqing Wu, Ryan Mills, Michele Ybarra, Sangwoo Cho, Mansi Krishan, Frank Spiegelhalter and Erie Severyn.

**Visitors/Guests Present:** Luke Emerson-Mason, Kauko Haapasaari, Lisa Blandford, Conor McGauran, Kannan Balan, Surashi Shau, John O'Keeffe, Jairo Romero, Carmen Velasquez, Jairo Romero, Nick Pesch, Pam Meijer, Surasri Sahu, Chung Cho, Rachel Courtney, Suzette Stalker, Sarah Peterson, Kevin Besey and Eric Punte.

**Meeting Called to Order:** 3:06 p.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Ji-Eun Lee.

#### **Old Business:**

- Review and approval of the PDG meeting minutes from the 2014 Annual Meeting.
- Review of the 2014 Board recommendations – responses.
- Review of Plan vs. actual for the 2014–2015 year.
- Review and update of symposia and workshop proposals.
- Call for additional old business.

#### **New Business:**

- The Chair introduced the PDG website and available resources and opportunities.

**Board Update – Tim Jackson (Board Liaison):**

- Three lunch-time meetings (time management, IAFP business meeting, changing food safety paradigm in U.S. and Canada).
- The Board encourages webinars.
- Secretary nomination from academia by October 1.
- Award nomination by February, 2016 (okay even after February).

**Food Allergy Roundtable:**

- Consumer perspective (Tony Flood, IFIC).
  - IFIC Food & Health Survey (7 years of data point): food allergy is one of the most important food safety issues.
  - Social media monitoring: allergen management most discussed.
  - Precautionary labeling can be confusing. IFIC is interested in exploring consumer attitudes toward precautionary labeling and/or allergen thresholds.
- Science perspective (Steve Taylor, FARRP).
  - Human data support the allergen threshold concept.
  - Food allergen detection methods: ELISA is the most popular. Other methods: ATP, PCR, general protein tests, mass spectrometry. Visually clean is hard to standardize. ELIS methods are not standardized or validated either. Mass spectrometry has similar issues to ELISA.
  - Thresholds (expressed as dose, total mg proteins) – analytical interface (expressed as concentration, ppm).
- Manufacturer perspective (Deann Atkins-Lewenthal, ConAgra) – Allergen management.
  - Avoid, segregate, clean and appropriately label.
  - Packaging errors and cross-contact lead to product recalls → Pre-printed packaging verification, employee training is vital.

- Regulatory–Training (Kevin Besey. Michigan Department of Agriculture).
  - Michigan has passed a state-wide allergen bill (effective in January 2016; MA and RI also have a state-wide allergen bill) for food services.
  - The bill requires training for food service managers.
  - 26,000 food establishments in Michigan required for food allergen training.
  - Public–Private partnership to offer an ANSI-level allergen training online course ongoing and issue a certificate.
- Call by Chair for symposia suggestions both using template provided and oral descriptions.
- Group discussions – group discussed possible topics for symposia.

#### Summary of Proposed Symposia/Webinar Topics:

- Chair asked members to use the proposal template distributed for symposia/webinar ideas.
- Marianne – Use of computational toxicology for risk assessment/safety assessment and regulatory decision.
- Mark Moorman (Kellogg Company).
  - Impact of use of alternatives to chemical ingredients of concern (by NGOs and consumers), can we get consumers' confidence based on science.
  - Phycotoxins (algal bloom) in water supply.
  - Issues and science behind Prop 65.
- Tony Flood (IFIC): understanding International Agency for Research on Cancer (IARC) assessment – what it is or is not?
- Effects of food additives (e.g., emulsifiers) on microbiome and disease outcome
- Topics from other PDGs (Chair) –
  - Water Quality PDG: Irrigation water (chemical treatment of irrigation water might be relevant to our PDG).
  - Seafood PDG – climate change and water quality (phycotoxins can be included).
- Cian (Crème Global) – Different approaches to dietary intake assessment.

Use Survey Monkey for 2017–2018 election of vice-chair. Ask for a student volunteer to work with members to maintain and update the PDG resource tab/website.

#### Recommendations to the Executive Board:

1. Recommend to the board to explore list management software or solution to enable better PDG membership management. A single sign up on the web and management via web.
2. Recommend the Program Committee consider scheduling any chemical and or toxicology related symposia be scheduled for Monday on the program. By doing so, it enables Society of Toxicology (SOT) and other chemical participants we're trying to attract to attend the PDGs and then Monday present. It would reduce a travel hurdle for a segment we're trying to develop.

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri and conference call TBD.

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

**Chairperson:** Ravindra Ramadhar.

### Food Defense PDG

**Members Present:** Tejas Bhatt, Neil Bogart, Frank Busta, Jack Cooper, Kevin Edwards, Robert Hagberg, Amy Kircher, Linda Leake, Shaun Kennedy, Amie Minor, Jennifer Weber, Jianrong Zhang, Gina Reo and Gale Prince.

**New Members Present:** Gabriela Iordachi, Jorge Mosqueda, Chee Zheng, Leonel Vera, Sydney Corkran, Vladimir Glukhman, Tara Doran, Kelly Roberts, Phil Elliott, Billy Akinyele, Emily Lyons, Eb Chiarini, Margaret Rush, Currey Nobles, Peter Cook, Christopher Rezendes, Margarita Gomez, Kris Young, Amy Rhodes, Ataf Idriss, Ryan Mills, Chuck Seaman, Weilin Shelver, Mark Kazmierczak and Sudarsan Muralidharan.

**Visitors/Guests Present:** Thabile Nkambule, Bheki Maguwga, Niketta Womack, Douglas Abbott, Bill Centrella, Leo Mitchell, Brenda Keavey, Angelica Monarrez, Suzanne Mailman, Melody Ge, Jim Arbogast, Tom Berry, Allison Sain, Kidon Sung, Sangeeta Khare, Saeed Khan, Gao Sethlare, Pat Williams, Eric Handy, Daniel Wright, Carmen Velasquez and Cecilia Crowley.

**Meeting Called to Order:** 10:00 a.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Tejas Bhatt.

#### Old Business:

- Reviewed anti-trust guidelines.
- All persons in attendance at the commencement of the meeting introduced themselves, affiliation and interest in food defense.
- Provided an overview of IAFP and the food defense PDG for first time attendees.
- Reviewed IAFP Board responses to PDG recommendations from 2014.
- Reviewed food defense related sessions at IAFP 2015.
  - Sunday, July 26
    - 8:30 a.m. to 12:00 p.m. in C125 - C126 T2
      - Technical Session 2 – Modeling and Risk Assessment.
    - 10:00 a.m. to 6:00 p.m. in the Exhibit Hall: Posters on Food Defense.
    - 10:30 a.m. to 12:00 p.m. in Ballroom 203 S4 A session on big data called “Achieving Actionable Information from Food Safety Inspections.”
    - 1:30 to 5:00 p.m. in Ballroom 202 S12 Evolving Methods for Foodborne Illness Source Attribution.
    - 6:15 to 7:30 p.m. Ballroom 252 Food Safety and Quality Award Presentation.

- Monday, July 27
  - 1:30 to 3:00 p.m. in B117–119: S39 Application of Predictive Risk, Threat, and Vulnerability Tools for Food Safety and Defense.
  - 3:30 to 5:00 p.m. in B113–114 S36 What's on Your Plate or What's That in Your Suitcase: What Exactly is Coming in from Our Imports?
- Tuesday, July 28
  - 8:30 to 10:00 a.m.
    - in B110–112: S47 Infodemiology: Let's Turn Big Data into Knowledge for Decision Making – Amy Kircher is one of the presenters.
    - in C120–122: S55 Recent Developments in Food Fraud Prevention – Shaun Kennedy, the previous Chair of the Food Defense PDG, is a presenter.
    - in B115–116: S51 Global Lab Capacity Building.
      - 10:30 to 12:00 p.m.
    - in B110–112: S48 Nibbles, Bits, and Bytes: Leveraging Big Data and Analytics to Inform Food Safety Risk Analysis.
    - in C120–122: S56 The True Prevalence of Food Fraud in Our Global Supply Chain.
      - 12:15 to 1:15 p.m. in Ballroom 201: U.S. Regulatory Perspective on Food Safety by Mike Taylor from FDA.
      - 1:30 to 3:30 p.m. in C124: Challenges to Modernization for Safe and Secure Food in the Middle East.
      - 4:00 to 4:45 p.m. in Ballroom 201: John H Silliker Lecture, Challenging the Conventional by Frank Busta.
  - Attract or involve local affiliate members who would not otherwise attend the Annual Meeting (e.g., regional specialties like shellfish issues for Gulf States).
  - Would attract members of a new PDG or program area that IAFP is trying to develop or encourage.

- Setup webinars throughout the year
  - PDG only is free.
  - Open to public is \$25 per attendee.
  - Recorded webinars can be viewed on IAFP website as long as you are an IAFP member.
- Symposia and roundtables
  - More international context and speakers.
  - Refine previously submitted topics and re-submit.
  - Go back to Program Committee to request insights into why submission was not selected.
- Topics
  - Cyber security (Gale Prince volunteered to lead).
    - Hot topic for 2016.
    - USDA is doing some work in this area as is DHS and NIST.
    - Impact of move towards cloud based systems for business purposes.
  - Innovations in laboratory testing (Amy Kircher volunteered to lead; Kevin Edwards to help).
    - Lab testing technologies for addressing adulteration.
    - Some products are difficult; honey, dried ingredients, coffee.
    - New testing methods for adulteration testing.
    - Good topic for a webcast.
  - Best practices in food defense implementation: Lessons learned from the industry (Shaun Kennedy volunteered to lead).
    - Stolen merchandise, cargo theft, diversion.
    - Falsification of documents.
    - Jamming technologies.
    - Speaker on solutions (maybe FBI).
    - How to think like a person trying to circumvent the system?
    - Product and process focused strategies (Kevin Edwards as a potential speaker).
    - Zero budget.
    - Code of conduct and integrity training.
    - Potential and pitfalls of self-assessments.
    - Reality check on current state of the art versus state of the industry.
  - Data sharing (Tejas Bhatt volunteered to lead; Neil Bogart to help).
    - Industry to industry sharing.
    - Industry to regulatory sharing.
    - Regulatory to regulatory sharing.
    - Barbara Blakistone as a potential speaker.
  - Vulnerability assessment (Gina Reo volunteered to lead).
    - How to conduct on the ground assessments.
    - FSMA implications.
    - Suppliers, exporters, farmers.
    - Do and don'ts.
    - Foreign interest globally is a significant gap.

#### New Business:

- Reminded the PDG to submit nominations of worthy candidates for next year's awards.
- IAFP 2016.
  - Call for proposals for 2016 ends October 6, 2015.
  - IAFP 2016, July 31 – August 3, 2016 in St. Louis, Missouri.

#### Submission Guidelines.

- Be new, emerging and/or address areas not covered in last 2 years.
  - If covered in last 2 years, provide new information that warrants another session.
  - Special consideration will be given to submissions that:
    - Are directly applicable or provide viable safety options for food manufacturers, including small- to medium-size manufacturers.
    - Bring an international (outside of North America) focus or viewpoint to the meeting.
    - Attract or involve students.

- FSMA Intentional Adulteration rule (Amy Kircher volunteered to lead; Tara Doran to help).
- Lessons learned from Avian influenza outbreak and response (Meg Rush volunteered to lead).
- Emerging hazards.
  - New strains of microbes.
    - Lab security and handling waste and training for lab employees.
    - Root cause analysis.
    - Stresses on the job and life.
    - Internal training for all employees and best practices.
- Pre-meeting workshop on how to conduct vulnerability assessment and tools and resources available (Amy Kircher volunteered to lead).
  - FDA Food defense plan builder (cannot be used for vulnerability assessment but can feed into the CARVER+S software which does the vulnerability assessment).
    - NCFPD.
    - FBI (Food defense coordinator training).
    - Food defense research needs (Webinar topic).
- Other ways to engage and provide a forum for the topic of interest all-year round.
  - Social media (Twitter, Facebook pages, LinkedIn groups, etc.).
  - IAFP Blogs.
- Encouraging student participation in PDGs and submissions.
  - Each PDG has a Resource tab on the IAFP website. One option would be to ask for a volunteer for a webpage coordinator from the PDG.
  - Publish in *Food Protection Trends*.

#### Recommendations to the Executive Board:

1. Recommend approval of Jennifer Pierquet as Vice Chair of the Food Defense PDG who will take over as Chair in 2016.

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri.

**Meeting Adjourned:** 11:45 a.m.

**Chairperson:** Tejas Bhatt.

### Food Hygiene and Sanitation PDG

**Members Present:** (120 in attendance) Yale Lary (Chair), Jeff Anderson, Zeb Blanton, David Blomquist, Ken Davenport, Tom England, Cristal Garrison, Charles Giambrone, Duane Grassmann, Dale Grinstead, Robert Hagberg, Joe Heinzelmann, Mike Hughes, Yasuyoshi Komoto, Jeffrey Kornacki, Daniel Okenu, Ruth Petran, Todd Rossow, Allen Saylor, Dina Scott, Tracey Sinclair, Chris Spangenberg, Anna Starobin, Joseph Stout, Darren Toczko and Purnendu Vasavada.

**Board/Staff Members Present:** Don Zink.

**New Members Present:** Melissa Schlabs, Beatrice Conde-Petit, Renee Greenwell, Vanessa Cranford, Barry Hays, Erica Anderson-Decina, Jim Arbogast, Dave Shumaker, Mike Ionni, Abebe Aberra, Laura Mrachek, Atel Idriss, Joan Donelan-Weber, Debra Smith, Emily Lyons, Claudia Narvaez,

Derek Richey, Robert Salter, Belem Ontiberos, Sudarsan Muralidharan, Daniel Wing, Quanhong Li, Meikel Brewster, Jayne Finnigan, Angi McMurray, J. Scott Rutherford, David Acinotos, Monica Pava-Ripoll, Nancy Bontempo, Angelica Monarrez, Charles Chege, Qingping Zhong, Weilin Shelver, Mike Govro, Cecilia Crowley, Gabriela Iordache, Edyta Margas, Kelly Roberts, Yue Zheng, Chuck Pettigrew, Kelly Roberts, Anna Aceituno, Juan Leon, Chung Cho, David Evanson, Luxin Wang, Chee Zheng, Richard Brouillette, Yanying Pan, Parker Cooper, Steve Lacy, Melissa Campbell, Leonel Vera, Brent Brehmer and Hayk Harutyunyan.

**Meeting Called to Order:** 8:00 a.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Yan Zhinong.

**Old Business:** Answered the question regarding the cost of PDG Webinars. The webinars are free to the host PDG and \$25 for non-host PDG members. After the webinar, the content is available to all IAFP members at no additional cost.

**New Business:** Yale Lary started the meeting and gave an update on the Chair/Vice Chair Meeting. Dale Grinstead gave an update from LeAnne from Novocore, Jody Swaim spoke about "Pathogen Testing," and Jeff Kornacki presented "Approaches to Validating Sanitation in Today's Regulatory Environment." Elected Ken Davenport as Vice Chair and Vanessa Cranford as Vice Chair-Elect.

#### Recommendations to the Executive Board:

1. Continuous Improvement Idea:  
Background: Manually collecting and transcribing the old and new members present at the meeting is time consuming and prone to errors. Proposal to use a bar code reader app to scan in PDG attendee information. CHARM volunteered to purchase the \$300.00 app for our PDG.
2. Approve Ken Davenport as Vice Chair and Vanessa Cranford as Vice Chair-Elect.

**Next Meeting Date:** Conference Call in September 2015.

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

**Chairperson:** Yale Lary, Jr.

### Food Law PDG

**Members Present:** Christie Gray (Chairperson), DeAnn Benesh, Robert Buchanan, Jack Cooper, Carl Custer, Emilio Esteban, Atef Idriss, Shaun Kennedy, Ted Labuza, Susan Linn, Deon Mahoney, Jenny Scott, Daniele Sohier, Kevin Webster and Christina Wilson.

**Board/Staff Members Present:** Timothy Jackson (Board Liaison).

**New Members Present:** Craig Henry, Minerva Rivera, Vanessa Ip, Peter Dragasakis, Joan Donelan-Weber, Maxwell Hand, Tejas Bhatt, Brian Sauders, Evan Rosen, Julian Cox, Hamoud Alnughaymishi and Tanya Roberts.

**Visitors/Guests Present:** Jairo Romero, Ladapan Sangklai, Karuna Teerasamit, Katharine Mieszkowski, John O'Keefe, Bryan Dieckelman, Jessica Brown, Kevin Besey, Roger Maehler, Andrew Stephens, Lily Yang, Dan Weller and Hannah Bolinger.



**Meeting Called to Order:** 1:03 p.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Craig Henry.

**Old Business:**

1. Christie reviewed the options for harnessing IAFP resources.
  - a. Online PDG Handbook available.
  - b. Recommendations to the Board.
2. Review of Minutes from 2014 PDG meeting.
  - a. Sent out prior to the meeting.
  - b. Motion to approve – was passed unanimously.
3. Report from Executive Board – Tim Jackson, Nestle.
  - a. Encouraging webinars.
  - b. Lots of symposia submissions but not all are accepted due to committee balancing the desired outcome.
  - c. 4200 members currently.
    - i. Up 30% since 2005, 36% from U.S., Internationally up 122%, Canada down about 1%.
  - d. What makes an affiliate successful? Trying to help affiliate engagement to improve.
  - e. 2,879 attendees in 2014, 2015 – expected to be 3,200.
  - f. Go to lunch meetings.
    - i. Time management session.
    - ii. Business meeting on Sunday, so please attend.
    - iii. Tuesday Mike Taylor session to attend.
  - g. Secretary nominations due in October. Seeking an academic. Due October 1.
  - h. Award nominations needed.
4. 2014 Recs to the Board reviewed.
5. Old business – nothing arose from 2014.
  - a. PDG did not conduct any webinars in 2014.
  - b. Christie explained \$25 fee for webinar presented to any IAFP member or free if just for the PDG.

**New Business:**

1. Request for scheduled calls.
  - a. DeAnn suggested quarterly calls.
  - b. First call for early September and address symposia.
  - c. Christie to send out a calendar reminder.
2. Symposia recommendations.
  - a. Is there a desire for PDG to work outside of IAFP? Possible webinar.
  - b. Tim Jenkins suggested Food Safety vs. Food Availability: Do we have to choose?
    - i. Check with the International PDG for collaboration.
    - ii. Multi-sectorial/disciplinary collaboration for a healthy.
3. Daniele Sohier, ADIRA, presented on Microbial Risk Assessment Workshop Construct proposal.
  - a. Proposed to be established guidance via ISO.
  - b. Bob Buchanan noted that in the U.S. the guidance has to be free and cannot be for fee per U.S. law.
  - c. Jenny Scott agreed with Bob and noted that NACMCF created a guidance document previously and is in use.
  - d. Daniele feels that globally the methodology needs to be standardized.

4. Christie reviewed outcome of the PDG Chairpersons meeting.
5. PDG Proposals.
  - a. Don't give up on rejected symposia proposals.
  - b. DeAnn and Bob Buchanan stated having more than one PDG supporting the proposal increases the chance of being accepted.
  - c. Christie suggested Food Law collaborate on M&P Mixed Foods Symposia.
  - d. Bob Buchanan suggested a topic of "How to be an Expert Witness" – one day workshop
    - i. Shaun Kennedy supports it as did others.
    - ii. Bob suggests getting a lawyer to lead this symposium.
      1. He will approach some in D.C. area.
    - iii. Julian Cox will assist.
  - e. Product liability law – "How is it changing?"
    - i. Also discussed at International PDG.
  - f. Andrew Stevens, FDA – Need to know more about WTO Procedures for regulatory acceptance.
    - i. How to export to the U.S. and Japan? Difficult to find regulations.
    - ii. Harmonize regulations.
    - iii. Plain package labeling.
  - g. Understand Codex standards for packaging, etc.
  - h. Dubai person suggested "Challenges to find regulations governing export regulations" etc.
    - i. What to do when stuck at the border.
    - ii. Christie noted the difficulty with language translations of regulations.
  - i. Suggested that WHO and World Bank supporting Updating on food safety. initiatives in Middle East region. – Suggested by person from Dubai.
  - j. Marcos Sanchez in Texas Tech – "What has been done to measure the economic cost of implementing new laws?"
  - k. Julian noted M&P PDG discussion about water and related law for produce, sanitation etc.
    - i. Christie noted water quality and availability is not fully defined.
  - l. Carl Custer – Why isn't *Salmonella* an Adulterant? – He will develop something
    - i. Review of prior case law and science (i.e., APHA case).
  - m. Bob proposed how to better understand the new emerging FSMA regulations.
    - i. Jenny supported that idea.
    - ii. Shaun Kennedy – new regulations issue was raised at Food Defense.
    - iii. Jack also said cybersecurity was raised at FD PDG.
6. PDG Recommendations to the Board?
  - a. Use of social media tools?
    - i. Google has been used by students as of 2013.
  - b. Bob said there were concerns about making webinars free versus for fee. Recommendation to make them all free.
    - i. Jenny noted this is a cost factor for IAFP.
      1. But it is free after IAFP posts it.
      2. So maybe success factor should include post presentation use by IAFP members etc.

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

**Next Meeting Date:** IAFP 2016, July 31, 2016, St. Louis, Missouri.

**Meeting Adjourned:** 2:45 p.m.

**Chairperson:** Christie Gray.

### Food Packaging PDG

**Members Present:** Linda Leake (Chairperson), Ken Davenport (Vice Chairperson), Brent Brehmer, Christine Bruhn, John Bruhn, Turonda Crumpler, Lee-Yan Sheen and Helen Taylor.

**Board Members Present:** Alejandro Mazzotta.

**New Members Present:** Billy Akinyele, Alex Bruner, Ed Chiarini, Nicholas Forshee, Larry Keener, Charles Muyanja and Allen Saylor.

**Visitors/Guests Present:** Genna Chadderdon, Tom England, Mansi Krishan, Conor McGauran, John Ossmann and Michael Timmer.

**Recording Secretary of Minutes:** Ken Davenport.

**Meeting Called to Order:** 1:00 p.m. by Linda Leake, Chairperson.

IAFP antitrust guidelines were reviewed. All in attendance introduced themselves and shared a bit about their professional interest in packaging.

**Old Business:** The minutes of the 2014 annual meeting were reviewed by Linda Leake and approved by the membership as read.

Linda Leake reported that the packaging PDG did not have any Symposia accepted for this year's meeting. She briefly reported that proposals submitted by Larry Keener, Gordon Hayburn, and herself were not accepted. Welcome and introductions.

**New Business:** Linda Leake introduced and congratulated Ken Davenport as the newly-elected vice chair of the Food Packaging PDG for a one-year term. She thanked everyone for their participation in the recent online election. She then provided an explanation of plans for election of a new PDG vice chair in 2016.

Ken Davenport provided a brief report of the PDG chairs/vice chairs' meeting on Friday, July 24, 2015 where preliminary 2015 symposia ideas were discussed. Key take-aways were a higher emphasis on short (1/2) symposia and a discussion of ways to optimize the process in the future.

Guest speaker John Ossmann, a Customer Technical Service Representative for Silgan Containers, presented a brief case study Rivet Leakers in Canned Soup.

Alejandro Mazzotta, the Packaging PDG Board Liaison, greeted everyone present and provided updates from the Board related to the 2015 Annual Meeting.

Linda Leake introduced Allen Saylor, who made a brief request to those present for ideas and volunteers for his Advanced Packaging Symposium that was scheduled the next day.

The group discussed possible packaging related proposals for symposia, roundtables and workshops, etc. for the 2016 IAFP Annual Meeting, along with ideas for activities for this PDG for the coming year, including, but not limited to, webinars, webinar series, workshops, written materials, etc. Ideas that came to light include:

1. Reactive Packaging – Ken Davenport to organize
  - a) Retail perspective on packaging
  - b) What to do if you get a positive result from the packaging signal – Nick Forshee
  - c) European produce packaging – Helen Taylor to suggest speakers
  - d) Time temperature indicators
  - e) Oxygen absorbing packaging
2. Food Packaging & Risk Assessment – Larry Keener
  - a) How do you do a risk assessment
  - b) Regulatory
  - c) Seal integrity
  - d) Validation
3. Light Activated Color & Flavor
  - a) Light impact on food quality – what happens
  - b) Counter measures in packaging
  - c) Counter measures in display equipment
  - d) Quality impact of packaging – Nick Forshee
4. Modified Atmosphere for Vegetables – What's the Latest
5. Perceptions of Advanced Packaging by Consumers (Tony Flood was suggested).

It was further suggested that members provide a 10–15 minute educational tidbit for upcoming PDG conference calls. Nick Forshee volunteered to present the first discussion on the topic of New BRC Standard for Packaging. The group briefly discussed other activities for the coming year including a possible roundtable discussion with industry experts for the 2016 Annual Meeting.

#### Recommendations to the Board:

1. Please approve Ken Davenport as the new vice chair of the Food Packaging PDG to serve a one year term and then to become chair at the annual meeting in 2016 for a 2-year term
2. That the Board encourage all PDGs to use online tools such as SurveyMonkey for elections of vice-chair or assistant vice-chair prior to annual meetings. This should eliminate any uncomfortable or awkward in-person elections and increase fairness for all PDG members who are unable to attend the annual meeting.

**Next Meeting Date:** Saturday, July 31, 2016, America's Center, St. Louis, MO.

**Meeting Adjourned:** 2:55 p.m.

**Chairperson:** Linda Leake.

## Food Safety Education PDG

**Members Present:** Carol Wallace (Chair), Brita Ball (Vice Chair), Elizabeth Address, Nicole Arnold, John Bruhn, Julie Carver, Kaiping Deng, Ellen Evans, Yaohua Feng, Lone Jespersen, Junehee Kwon, Mayra Marquez Gonzalez, Sara Mortimore, Laura Nelson, Londa Nwadike, James O'Donnell, Maria Reyes, Sarah Schober, Angela Shaw, Pamela Wilger and Marcel Zwietering.

**Board/Staff Members Present:** Linda Harris.

**New Members Present:** Allison Sain, Lori Costello, Ashley Chaifetz, Katrina Levine, Sydney Corkran, Charles Muyanja, Isaac Rukundo, Sudarsan Muralidharan, Jane Nkhebenyane, Shauna Henley, Shannon Coleman, Lisa Moody, Dan Marino, Jessica Rue, Julie Jean, Minerva Rivera, Robson Machado, William Weichelt, Michael Trevan, Teressa Lopez, Vicki-Lynne Scott, Sara Gragg, Evelyn Gutierrez, Robert Thomas, Susan Hammons, Rodrigo Santibanez, Barbara Ingham, Patricia Borrusso, Martin Bucknavage, Jordann Wenzel, Neiunna Reed-Jones, Kelly McCarty, Julie McGrath, Andrew Capps, Carl Turcotte, Francie Buck, Clint Stevenson, Wenqing Xu and Buffy Montgomery.

**Visitors/Guests Present:** Roxana Perez, Olivier Kamana, Ntsoaki Malebo, Natalie Seymour, Dane Jensen, Sergio Nieto-Montenegro and Gisela Berns.

**Meeting Called to Order:** 3:05 p.m., July 25, 2015 by Carol Wallace.

**Minutes Recording Secretary:** Ellen Evans.

1. Carol introduced the new Vice-Chair, Brita Ball, and gave a vote of thanks to the retiring Chair, Pam Wilger. All members and new members were welcomed to the PDG.
2. Board announcements from Linda Harris – 4,200 IAFP members, greatest increase in international membership increase 121% (2005 – 2015). 3,100 registrations this year. Encouraged use of webinars (\$25 for open webinars; free live for PDG members, with recordings open to all IAFP members). Importance of including student PDG members in round tables and symposia.

**Old Business:** Update from last year:

1. Five suggested symposium ideas (not successful), although some of the ideas were picked up in other symposia.
2. Symposium idea 'Current issues in HACCP' submitted to European symposium in Cardiff. This was successful and very well attended.
3. PDG survey – 13% response rate – subgroups a good idea, majority indicated interest in contributing, Broad acceptance of suggested subgroups. Over dilution of PDG discussed. Breakdown to education consumers, future food safety professional and current.

**New Business:**

1. Micro-presentations:
  - a. **Brian Bedard – Hands on (future consumers) middle school children**

- Week long comprehensive curricular program to model best practices in adolescent instruction, 4 teachers work together to deliver food safety across many aspects of curriculum (science, mathematics, language arts and social studies) integrated approach, free professional development training for teachers, teach the teachers to deliver the program. All curriculum requirements provided. Fifteen states included in program.
  - Effectiveness. Significant increases in knowledge and demonstrated a long-term retention, improves observed behavior, self-efficacy significantly increased.
  - Lay foundations for safe food-handling skills while teaching content standards for core subjects. Grad students using program for research projects.
  - More information: Sondra@utk.edu.
- b. Shelley Feist – Consumers (U.S.)**
- In USA progress healthy people 2020 objectives relating to Fight Bac! campaign areas (cook clean chill separate) Self-reported behaviors measured by partnership every 2–3 years.
  - USDA \$20 million campaign, 40,000 calls to meat and poultry line. 100,000 downloads of consumer food safety education resources.
  - Capacity: 52% of CFS educators do evaluation/data collection, many educators don't agree with messages. Food industry only represent a 6% interaction with consumers. Capacity reviewed by means of an environmental scan on who is providing what to consumers regarding consumer food safety by NCSU.
  - Patricia Barossa meta-analysis to evaluate factors affecting consumer food safety behaviors. Consumers overestimate home food safety, practices relating to temperatures (cooking and chilling) are lacking. Attitudes: don't think about FS, underestimate risk, susceptibility (including vulnerable consumers). Unable to recognise when FS practices are required, perceived costs are greater than perceived benefits of FS behaviours. Need to develop a positive FS culture. Important that consumers can trust FS information resources.
  - Need for research: at-risk consumers: pregnant women, washing raw meat. Novel strategies, ways of measuring actual behaviors with other measures.
- c. Michael Trevan – Academia**
- Educating future industry professionals. (Post-secondary education and food protection.) Future food workers.
  - Issues for universities and colleges. Lack of food science students, many nutrition students. Spectrum: food processing/analyses – foodies – nutrition dietetics. Many students don't end up as food processors or dieticians, majority end up in middle group.

Need to address those in the middle ground and give suitable education for various roles, including food safety.

- Universities generally slow at developing new programmes (e.g., 3 years) and not good at getting industrial input into programme design.
- Colleges are different – local food approach, key focus on supply chain, retail and marketing.
- Need for collaboration between industry, regulators and educators, consequently safe food Canada – the learning partnership was developed. It is a key resource for the development of training quality standards and curriculum frameworks for industry and regulators. SFC – joint programme competency-based learning outcomes against which all food safety training and education can be benchmarked.

**d. Laura Nelson – Industry Professionals**

- Presented results from 3rd annual global training survey by Campden BRI and Alchemy. (n = 1300). Benchmarking tool to identify industry challenges.
- Survey identified industry training goals are to improve food safety culture. Scheduling time for training and verifying effective training were identified as challenges. Biggest challenge to developing a strong positive food safety culture were determined to include lack of resources, negative attitudes of employees, lack of effective communication and multi-cultural workforce and negative management attitude.

**2. Mini-workshop – Food Safety Education – Building Capacity**

**a. Consumer group**

- Challenges of consumer food safety education – discussion around evaluation and documenting the effectiveness and evaluation of food safety education.
- Need to document the potential impact of media based outreach, assess the impact of direct and indirect contact.
- Measuring behavioural change can have difficulties.
- Drop out and retention discussed.
- Utilize the application of other successful health prevention practice intervention strategies (non-food safety related) to inform targeted development of consumer food safety education.
- Fatigue around participation and getting people to participate and what makes that work well was discussed.
- Marketing outreach programs and pitching programme to the right level of the program.
- Disconnect between message for consumers and consumer ability/access (e.g., money and use of thermometers).
- Consistency of messages.
- Education of the educators discussed. Educators need to be well informed
- We need know the consumer better.

Brian Bedard question regarding food trust and how confusing it is for consumers, discussion around credible source of consumer food safety education is critical, how to rebuild consumer trust? How to engage with consumers to allow an open dialogue? Enabling consumers to better educate themselves. What do consumers regard as trusted sources of food safety education? Do consumers know what extension/cooperative extension is? Research driven science can make education challenging as it can't be as flexible in foodbase and such blogs. Trust surveys are a valuable tool. Cultural differences in trust of extension discussed.

**Action plan:** communicate better within PDG network of consumer food safety educators. Ongoing activities over the year.

**b. Academic group –**

- Responsibility to create industry ready graduates.
- Need to partner up with industry e.g., joint-working group, taking students out into the field before graduation.
- Sharing best practices with academia and industry.
- Industry need to be aware of what their investment will gain.
- Internships is an opportunity to assess – key success point is collaboration with industry and academia.
- Best practice to include evaluation from stakeholders in industry of food science courses at university.
- Changes in delivery of courses is based upon industry feedback.
- “Industry doesn't need more food scientists, they need more sanitarians.”

**Action plan:** Producing career-ready graduates by working together across academia and in partnership with industry – collaboration and sharing of best practices. Ongoing activities over the year.

**c. Industry professionals group**

- Small producers frame works.
- Cultural aspects influence how people learn, reflect and adapt.
- Many difference languages can be spoken in work place.
- Three tiers in workplace have difference food safety training needs, they need to be addressed differently.
- Discussion around the 'whys' training not effective if not focused on the 'whys'.
- Measurement and metrics discussed, what metrics are, helping others measure the effectiveness of their training.
- Honesty when training isn't appropriate, give people tools on evaluating the effectiveness of the training.
- Behaviours in relation to food safety culture discussed.
- Multiple generations in workforce and the need effective training.
- Need to understand the delivery and the environment, need to set people up for success to absorb the materials.
- Need research around the metrics.

**Specifics that the group want to work on:** Webinars and collaboration between industry and academia.

Closing points from mini-workshop:

- Cross-overs between groups identified from workshop group discussions.
  - Complete findings (flip charts) to be distributed to the group as a whole.
3. Any other business
    - a. Tony Flood has been asked if he would do a webinar on annual consumer survey findings since the agenda had not allowed time for this during the PDG meeting. To be organized.
    - b. Food Safety Preventive Controls Alliance is recruiting instructors – see special session on Monday.
    - c. Several symposia, roundtable and technical sessions on the programme are relevant to PDG member interests, as well as the poster session on Sunday.

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

1. A more efficient method of keeping lists of PDG members up to date is needed. Currently a roster list is generated by the IAFP office and any new member requests have to be manually input by the Chair/Vice Chair during the year. This relies on emails being picked up and actioned one-by-one. A method of automatic updating, perhaps linked to member choices of PDGs on the website, would be more efficient and would make sure that new members are not being missed.
2. It is recommended that a short break is included in the PDG meeting schedule to accommodate PDGs leaving a room and setting up for the next group before the next PDG is due to start.
3. It is recommended that a static laptop be provided in the PDG rooms on PDG meeting day that is already linked to the projector and has WiFi Internet capability. This would save set-up time at the beginning and crossovers between meetings where laptops have to be switched.

**Next Meeting Date:** July 31, 2016.

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

**Chairperson:** Carol Wallace.

### **Fruit and Vegetable Safety and Quality PDG**

**Members Present:** K. Kniel, S. McGarry, A. Adhikari, S. Allard, B. Annous, S. Assar, E. Bihn, A. Buchholz, A. Castillo, Y. Chen, N. Cook, V. Cranford, F. Critzer, M. Crowley, M. Danyluk, X. Fan, T.J. Fu, W. Fedio, D. Gombas, R. Gravani, J. Guzewich, M. Gutierrez, S. Grove, K. Hirneisen, K. Ito, S. Illic, L. Johnson, S. Koseki, A. Lee, L. Kohl, D. Macarasin, P. Millner, S. Lanini, M. Gonzalez, K. Matthews, S. Mukhopadhyay, C. Narvez, B. Niemira, X. Nou, J. Patel, S. Pillai, M. Sharma, A. Shaw, O. Simmons, L. Strawn, S. Thakur, T. Suslow, L. Tobilla, D. Ukuku, A. Valadez, Z. Topalcengiz, M. Villaneva, G. Wall, Q. Wang, Q. Wang, M. Wood, K. Warriner, R. Worobo, V. Wu, W. Xu, H. G. Yuk and Z. Yan.

**Board/Staff Members Present:** Linda Harris.

**New Members Present:** T. Lopez, V.L. Scott, Y. Zheng, J. Stout, C. Giambone, S. Ruengvisesh, M. Eriksson Pate, C. Pu, R. Gonzales, J. Sierra, S. Finney, A. Bashall, D. Pahl, B. Escudero, B. Buschbach, Y. Chen, D. Weller, L. Graham, C. Hughes, G. Rajashekara, J. Hall, J. diStefano, C. Snabes, S. Micallef, D. Weller, F. Zhang, M. Dawson, J. Bannon, E. Thompson, S. Peterson, A. Ottesen, X. Zhang, A. Aceituno, T. Lee, M. Shah, D. Shumaker, K. Perez-Lewis, E. Arias, S. Gummalla, L. Lucia, R. Mills, M. Duplessis, K. Kubota, J. Mosqueda, L. Gage, S. Swanson, L. Mrachek, M. Villarreal Silva and A. Nair.

**Visitors/Guests Present:** M. Castle, M. Nunnely, S. Murphy, R. Klos, R. Binet, D. Wing, A. Wladyszewski, P. Manaliu, D. Wrigley, K. Smith, A. Smith, E. Reed, G. Setuare, B. Magunga, K. Shiraishi, D. Jones, J. Glynn, A. Kraft, C. Liu and E. Louve.

**Meeting Called to Order:** 1:03 p.m., Friday, July 25, 2015.

**Minutes Recording Secretary:** Kali Kniel and Sherri McGarry.

**Old Business:** Minutes from 2014 meeting were adopted without changes.

**New Business:** Historically, the FVSQ PDG provides a series of updates to the members, which are outlined below.

*Regulatory Update:* The regulatory update was provided by Samir Assar (FDA CFSAN). The Produce Safety Rule is currently with Office of Management and Budget (OMB) and is on course to publish as a final rule by October 31, 2015. FDA will be putting out materials, such as Fact Sheets, on the FSMA website and is also planning extensive outreach. This PDG may be a one mechanism to disseminate information. While FDA is wrapping up rule development, it is moving toward implementation phase. FDA held a public meeting in May and is considering comments to the docket form that meeting. Summary of findings of a cantaloupe assignment will soon be available on FDA's website.

*Outbreak Update:* The outbreak update was given by Angela Hardin (FDA CORE). It included a summary of pathogen and foods involved in multistate outbreaks that FDA was involved. Discussions included information on source of the food whether domestic or imported and lessons from *Listeria* and other outbreaks. The *Cyclospora* outbreak from 2014 was mentioned along with a current *Cyclospora* outbreak investigation that is ongoing; FDA plans to share more information as it comes available.

*Alliance Updates:* Betsy Bihn provided the update on the PSA (<http://producesafetyalliance.cornell.edu/>). In December 2014, PSA held a train the trainer course then in January the curriculum was tested with growers. Two train the trainer courses were held in June and more are anticipated. Hiring 4 regional specialists to support the training program. Started an international educators group and if anyone is interested they should contact Gretchen. Soil amendment summit planned for December 1–2, 2015, with a seminar series before the summit.

An update on the Sprouts Safety Alliance (SSA) was provided by Kaiping Deng. The SSA is currently developing training modules. Information is available at [http://www.iit.edu/ifsh/sprout\\_safety/](http://www.iit.edu/ifsh/sprout_safety/). Second stage of review of curriculum is underway; conducted 4 pilot training courses and refining based on comments. AFDO will manage the train the trainer materials once final, accreditation, and certification.

**Other Topics:** Angela Shaw from Iowa State University encouraged more dialogue among industry and regulators with the research community so researchers can be more aware of their needs. June 20–23 at the United Fresh Conference, there will be focused discussion on research needs for fresh cut and processing. Looking to increase partnerships. Suresh Pillai updated the PDG on APHIS extended use of irradiation on produce commodities for insects and pests to increase shelf-life. Several agreements have been signed to allow importation of irradiated fruits and APHIS has expanded the options to allow more flexibility on where the process occurs.

**New Business:** Kali shared the results of a survey sent to PDG members to better identify interests of the membership and enhance connecting those interested in similar activities, such as drafting white papers. PDG already has a webinar in the works for this Fall regarding with PSA on training.

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

1. Recommend to the Board that the website be enhanced to enable the selection and deselection of PDG(s) that a member (or non-member) can join and that updated information be automatically sent to the IAFP staff, and Chairs and Vice chairs of the applicable PDG(s).

**Next Meeting Date:** July 31, 2016.

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

**Chairperson:** Kali Kniel.

### **HACCP Utilization and Food Safety Systems**

**Members Present:** Benjamin Warren, Alejandro Amezcuita, Jean Anderson, Tamrat Belete, Neil Bogart, Leslie Bourquin, Martin Bucknavage, Dennis Burson, Julie Carver, Andrew Clarke, Frederick Cook, Kathy Gombas, Allen Haas, Michael Ionni, Ian Jenson, Lorilyn Ledenbach, Joseph Meyer, Molly Mills, Sara Mortimore, Sarah Schober, Jean Schoeni, Carol Wallace, Jordann Wenzel and Pamela Wilger.

**Board/Staff Members Present:** Tim Jackson.

**New Members Present:** Colin Choy, Zeb Blanton, Jason Bolton, Silvia Pimeiro, Gabriel Mootian, Samjhana Dahal, David Crownover, Charles Chege, Vickie Lewandowski, Sydney Corkran, Suzanne Mailman, Robert Thomas, Rafiqul Islam, Pharrunrat Tanaviyutpakdee, Katherine Swanson, Lisa Moody, Darlene Dittrich, Jane Nkhebenyane, Ron Wasik, Dina Scott, Enrique Garcia-Perez, Chee Zheng, Thomas Johnston, Jaclyn Golemohammadi, Rachael Wells, Dan Marino, Jessica Rue, Keely Johnston, Jignesh Rasanina, Hudaa Neetoo, Samia Estassi, Gladys Wright, David Acinitos, Elizabeth Uriyo, Thomas Carlisle, Mohammed Hakeem, Andrea Lo, Lufan Wang, Laura Nelson, Andrew Capps, Jairo Romero and Phil Elliott.

**Visitors/Guests Present:** Sylvia Bergman, Andrea Palazuelos, George Berns and Dane Bernard.

**Meeting Called to Order:** 1:00 p.m., Saturday, July 24, 2015.

**Minutes Recording Secretary:** Lisa Moody.

**Old Business:** No open items.

**New Business:** Our Board Liaison, Tim Jackson, welcomed everyone for being part of the PDG and encouraged all members to consider getting actively involved in the PDGs activities over the next 12 months and celebrated the work already completed by the PDG.

In recognition of their significant contributions to the PDG, most notably the preparation and publishing of three articles in *Food Protection Trends*, the following members were presented with a certificate: Pam Wilger, Fred Cook, Lisa Moody, Andrew Clarke, Amy Kramer, Gary Acuff and Jean Anderson.

Outgoing Chair Lone Jespersen introduced Ben Warren as the new Chair for the PDG for 2015–2017. Ben thanked Lone for her leadership and her passion in serving as the PDG's first Chair.

The PDG members were provided printouts of the three *Food Protection Trends'* articles outlining the gaps in HACCP application (gaps identified for each of 12 steps). The group was divided into nine subteams, with each subteam assigned a step(s) to discuss and determine what actions the PDG could potentially take to help mitigate or close those gaps. One representative from each subteam then presented their thoughts to the group.

Summaries of subteam debriefs on actions the PDG can take to mitigate identified gaps in HACCP:

HACCP Step 1–2: Form the HACCP Team and Describe the Product

- Propose a symposium to how to communicate w/sr. mgmt. (or webinar)
- Publish thinking in non-food safety related magazines; ex. *National Geographic*; Delta in-flight magazines, the *Wall Street Journal*, or other literature senior executives may be reading
- It was noted there is not enough technical knowledge/capacity in the industry
  - Answer: education, training (boots on the ground training); move from science to technical
- Product description is only a form and not used when completing the hazard analysis
  - The PDG could evaluate different training: what's happening and is it effective and how to measure it; certification of trainers and high caliber training

HACCP Step 3–5: Intended Use, Prepare Flow Diagram, Verify Flow Diagram

- The PDG should consider a webinar on cautionary tales around unintended uses of products; e.g., Cookie dough, canned foods to troops (hot temps)
- Current practices/best practices for overcoming these challenges; tie in ingredient considerations and target population considerations (ex., Blue Bell)
- Build in a checklist to help w/scope to help guide teams in this analysis

#### HACCP Step 6 (Principle 1): Hazard Analysis

- The PDG could consider an article or series of articles addressing the gaps, ultimately creating a toolbox of articles (may include resource tab on site); series of mitigation steps and examples; missteps and gaps
  - Making sure you're conveying the "whys"
  - Vendors provide software technology; collect tools that might be available for future HACCP teams
- The PDG should consider a webinar or article addressing food safety/HACCP as part of the R&D process and the importance of understanding the product and process; not copy paste
- The PDG should consider a roundtable discussion of risks/hazards and how they are controlled; done by industry to showcase differences and similarities; have a debate as to why/how it works
- The PDG could host a central repository of resources/research papers to provide data to justify decisions in the hazard analysis (on the website or in conjunction with other groups)
- The PDG could consider a seminar of horror stories around of customer specs (when suppliers demand CCPs that aren't actually CCPs)

#### HACCP Step 7 (Principle 2): Identify Critical Control Points

- The group noted deficiencies of HACCP teams and/or its leader
- The group suggested increased certification of HACCP people/teams esp. for small companies
- The group suggested the PDG consider how it can work w/small companies to have competency to help them develop their teams

#### HACCP Step 8 (Principle 3): Identify Critical Limits

- Must increase training and education and competency of the team;
- Curriculum FSPCA will help
- Resources that would help:
  - Write a list of resources for determining critical limits (ex., Consultants, Univ., modeling, gov. regs)
  - Develop model (CCPs) plans for various product categories
  - Develop a directory of producers that are willing to collaborate on HACCP

#### HACCP Step 9 (Principle 4): Monitoring

- The PDG could produce YouTube videos that are sector-specific and/or present a webinar
- The PDG could propose an annual meeting pre-session workshop w/experts and hands-on, practical application
- The PDG could leverage other PDGs with webinars to consider the nature of the products and come up with case scenarios
- The PDG could host a roundtable discussion including all different sized companies discussing best practices around company culture including examples of the good and not so good

#### HACCP Step 10 (Principle 5): Corrective Actions

- The PDG should consider a webinar: process control vs. product safety and emphasize process
  - How do you convince companies to seek outside expertise (based in science)

#### HACCP Step 11 (Principle 6): Verification

- The PDG should work w/meat and poultry PDG and consider a webinar or webinar series (6) combining USDA and FDA to address the difference between verification and validation
- The PDG could collect information on product characteristics impacting process variability and process capability
- The PDG should consider guidance on determining and justifying your frequency of verification and/or verifying your entire plan – appropriateness of records
  - Could be done as case studies to follow a product and plan to see issues all the way through; tie in various complexities and maturities

#### HACCP Step 12 (Principle 7): Record Keeping

- The PDG could develop more models: plans, templates with instruction
  - Look at software to design a Food Safety Plan; (ex., Food defense plan builder); evaluate raw materials, keeps you focused so that you don't over-design
- The PDG should consider a checklist of all records in the HACCP system: where, version, inventory (published by this group) as well as a Master review schedule (similar to a Master Sanitation Schedule or Preventive Maintenance schedule): who, frequency to help focus
- The PDG should consider guidance on the importance of version control
- The PDG could publish a paper on best practice to support why you do what you do with scientific basis
- The PDG could provide guidance on analyzing the right data (focus on deviations to assess performance); streamline process using electronic records

On behalf of Kathy Gombas and the Food Safety Preventive Controls Alliance (FSPCA), Ben Warren announced that lead instructors for the FSPCA curricula for both Human and Animal food are currently being recruited. Applications and criteria for lead instructor can be found on the FSPCA website. Also, a short symposium at the annual meeting will be held in room C120-122 from 5:15-6:00 on Monday 7/28/2015.

Sara Mortimore provided a brief update on the CODEX initiative to review and consider changes to the General Principles for Food Hygiene.

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

1. Approve Lisa Moody as Vice-Chair for 2015-2017.

**Next Meeting Date:** TBD. Next meeting will either be a webinar or conference call.

**Meeting Adjourned:** 2:58 p.m.

**Chairperson:** Benjamin Warren.

### International Food Protection Issues PDG

**Members Present:** Bobby Krishna (Chair), Leon Gorris (minutes), Bassam Annous, Patrice Arbault, Leslie Bourquin, Julia Bradsher, DeAnnBenesh, Bob Buchanan, Roger Cook, Maria Teresa Destro, Emilio Esteban, Jeff Farber, Tong-Jen Fu, Judy Greig, John Guzewich, Li Ma, Charles Muyanja, Linda Leake, Ravinder Reddy, James O'Donnell, Jenny Scott, Lee-Yan Sheen, Xianming Shi, Christopher Snabes, Keng Ngee Teoh, Ewen Todd, Pamela Wilger, Ian Jenson and Deon Mahoney.

**Board Members Present:** Tim Jackson, Alejandro Mazzota, Mickey Parish and Linda Harris.

**New Members Present:** Sally Hasell, Ken Davenport, Karim-Franck Khinouche, Jamuna Bai Aswathanarayan, Yanying Pan, Eb Chiarini, Douglas Abbott, Weilin Shelver, Luz Alzate, Suzanne Mailman, Amarat Simonne, Katie Swanson, Amie Minor, Marcos Sanchez, Teressa Lopez, Alex Wladyszewski, Pratheeba Yogendrarajah, Terence Lau, Peter Hibbard, Lori Hodge, Isaac Rukundo, Olivier Kamana, Desmond Mugadza and Alvin Lee.

**Visitors Present:** Becky Thompson, Janeth Luna, Angelica Monarrez, Brenda Keavey, Clare Narrod, John Heller, Rick Barney, David Swanson, Philip Gurman and Katherine Mieszkowski.

**Meeting Called to Order:** 2:33 p.m., Friday, July 24, 2015.

**Recording Secretary of Minutes:** Leon Gorris.

Bobby Krishna, Chair, opened the meeting welcoming members, new members and visitors. He reminded the participants of the purpose of the meeting and presented the proposed agenda, which was accepted.

On behalf of the Board, Tim Jackson welcomed the attendees. He noted the significant increase in IAFP membership and encouraged the PDG to think of opportunities to stage webinars.

**Old Business:** The minutes of the 2014 PDG Meeting were adopted as written.

#### New Business:

1. The meeting voted Leon Gorris into the vacant position of Vice Chair of the PDG. Leon is with Unilever, based in The Netherlands.
2. The Chair identified relevant IAFP 2015 Program Highlights and encouraged members to attend those sessions.
3. Updates from International Organizations. On behalf of Sarah Cahill (FAO) and Peter Ben Embarak (WHO), the Chair informed the meeting of recent activities: food safety and food security, antimicrobial resistance, Codex and food safety work on scientific advice,

capacity development and Emergency Prevention and Response. Some specific work includes: ranking of low moisture foods from a microbiological food safety perspective (a paper in *JFP* is forthcoming), hazards in animal feed, shellfish sanitation systems, the mycotoxin sampling tool and the FAO/WHO Chronic Individual Food Consumption Data summary statistics (details are available at [www.fao.org/food/food-safety-quality/home-page/en/](http://www.fao.org/food/food-safety-quality/home-page/en/) or via email: [foodquality@fao.org](mailto:foodquality@fao.org); [sarah.cahill@fao.org](mailto:sarah.cahill@fao.org)). Also, communication products related to the World Health Day dedicated to Food Safety (7 April 2015) are available at [www.who.int/foodsafety](http://www.who.int/foodsafety) and the FERG initiative to estimate the global burden of Foodborne disease is in its final phase of publication with a seminar planned in the Netherlands ([www.rivm.nl/fergsymposium](http://www.rivm.nl/fergsymposium)).

4. Leon Gorris updated on ICMSF activities, noting that ICMSF is finalizing the revision of ICMSF book 7 on risk management metrics and useful testing; seeking members' support for the relevance of new work of ICMSF on establishing a practical guide to the ICMSF sampling plan tool.
5. Roger Cook updated the attendees on regulatory advances in New Zealand. Promulgation into law of a new risk-based Food Act styled on the successful Animal Products Act (1989). To be implemented March 2016. Development of a Food Reform Bill that addresses traceability, electronic records and legal accessibility to records held by organisations not under the various food Acts. Passing into law of new requirements for manufacture and sale of raw drinking milk, designed to minimize hazard levels and exposure, while providing access to those that would otherwise still seek out raw drinking milk.
6. Developments in Australia were noted by Deon Mahony (new food labelling scheme; COOL triggered by incidents; raw milk policy decisions) and Ian Jenson (Australian Food Microbiology Congress end of Aug. 2015).
7. Bobby Krishna provided an update on the recent developments and initiatives in the Middle Eastern region. The recent changes in the policy on shelf life and the impact on food safety and security was highlighted. Bobby also introduced the 10th Dubai International Food Safety Conference that would be held from the 25–28 of October, 2015.
8. Affiliate updates. Lee-Yan Sheen represented the Taiwan Food Protection Association affiliate. He noted the new Food Safety Act under development in Taiwan (4th revision) and TFFA hosting the 6th international conference on nutrition and physical activity ([www.napa2015.org.tw](http://www.napa2015.org.tw)). Keng Ngee Teoh represented the new Singapore Food Protection Association and alerted the PDG about the Asia Pacific Food Safety Symposium co-organized by SFFA and ILSI-SEAr (12–14 Sept. 2016). An update from Brazil was provided by Eb Chiarini who used to be on the Board of the Brazil Food Protection Association affiliate; she discussed new regulations being issued for allergen labeling and being considered for product recalls.
9. IAFP student travel awardees update. Isaac Rwomushana Rukundo (Uganda) informed the meeting about food safety capability building being



considered as a priority in the country, targeting basic hygiene/safety of food services and food manufacturers. Phillip Gurman (Australia) talked about his PhD work on *Salmonella* in pigs risk assessment modelling. Pratheeba Yogendrarajah (India) presented on her work on fungal growth and mycotoxin risk assessment; Olivier Kamana (Rwanda) noted that for his home country recently established an FDA function and upped academic technical training in food processing and safety. Jamuna Bai Aswathanarayan (India) gave a brief overview of recent food safety developments in India, focusing on the responsibilities of the Food Safety and Standards Authority of India (FSSAI) and the work at the University of Mysore.

#### Suggestions for Symposia at IAFF 2016:

- “Big data: the collection of, maintenance and use in the regulatory context.” A lot of data is being collected but data context not preserved, with actual value being lost. Need for setting criteria at international level. Contact person: Roger Cook.
- “Traceability for the global food market.” Increasingly traceability requirements are being established by countries around the globe without the regulatory and technical coordination that would be required in the globalized food economy. Risks and opportunities to mitigate will be discussed in the session. Contact person: Leon Gorris.
- “Learnings of the global burden of foodborne disease project.” With the FERG initiative getting into the final stage, a session sharing key outcomes (international, geographic insights) and, importantly, learnings (do’s/don’ts; challenges; gaps remaining) would be of value. Contact person: Ian Jenson.
- “Regulatory approaches to data collection and holding.” Different jurisdictions use a variety of approaches for collecting and holding/using regulatory information. The sessions aim to sharing practices and learnings. Risk Analysis & Predictive Modelling PDG supports the session idea. Contact person: Clare Narrod.
- “Food safety training and education basics for developing countries.” Basic food hygiene and safety capability building of food operators and food service staff required by many developing countries as are improvements in food safety infrastructure at governmental levels. Training/education often are sector (government, industry, academia) specific, whilst cross section approaches would be required as well. A session bringing together successful initiatives and resources. Contact persons: Julia Bradsher and Charles Muyanja.
- “Harmonizing regulatory food safety limits internationally.” Regulatory limits are being established across a range of parameters (pathogens, pesticides, chemical contaminants, etc.) following different approaches/rationales. What are the initiatives taken to achieve more harmonization; what are the challenges; case studies. Contact persons: Tim Jackson and Bobby Krishna.

- “International perspective on food adulteration.” EMA is increasingly recognized as a problem in many countries. Case studies from around the world. Contact person: Bobby Krishna
- “International perspective on food safety litigation.” Litigation is going global. Across jurisdictions product liability is approached very differently. A session with the Food Law PDG would be of interest to discuss this. Contact person: Bob Buchanan.

#### Recommendations to the Executive Board:

1. Approve Leon Gorris as the new Vice Chair, with the term of Chair to begin in 2017.

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

**Next Meeting Date:** July 30, 2016.

**Chairperson:** Bobby Krishna.

### Low Water Activity Foods

**Members Present:** Edith Wilkin, Pardeepinder Brar, Ian Hildebrandt, Shirin Abd, Alejandro Amezcua, Tamrat Belete, Brent Brehmer, Sarah Cahill, Frederick Cook, Polly Courtney, Michelle Danyluk, Teri Ehlinger, Michele Evans, Carrie Ferstl, Judy Fraser-Heaps, Dana Gradl, Keith Ito, Sanghyup Jeong, Rhoma Johnson, Susanne Keller, Karim Khinouche, Daria Kleinmeier, Pichamon Limcharoenchat, Lisa Lucia, Lisa Lucore, Edyta Margas, Rachel McEgan, Belem Ontiveros, Shannon Pickens, Sofia Santillana Farakos, Jean Schoeni, Jeyamkondan Subbiah, Christopher Theofel, Erdal Tuncan, Aaron Uesugi and Guodong Zhang.

**Board/Staff Members Present:** Linda Harris.

**New Members Present:** Laurie Post, Quanhong Li, Christopher Conway, Marion Castle, Ronen Neutra, Gillian Dagan, Ingrid Huntley, Lauren Jackson, Martin Duplessis, Evan Rosen, Vanessa Ip, Trevor Phister, Ted Labuza, Sara Gragg, Florence Wu, Nadia Narine, Molly Mills, Richard Brouillette, Sarita Raengpradub, Rico Suhalm, Jesse Miller, Quincy Suehr, Joanna Carroll, Brandt Crockett, Francisco Garces Vega, Mark Moorman, Abani Pradhan, May Yeow, Hudaa Neetoo, Li Maria Ma, Beatrice Conde-Petit, Shuxiang Liu, Derek Richey, Jaza Alshammari, Ravikiran Tadapaneni, Jie Xu and Manoj Shah.

**Visitors/Guests Present:** Khalid Abdelrahim, Tim Adams, Larry Beuchat, Nancy Bontempo, Dave Horowitz, Don Jones, Alison Kretser, Xin Li, Greg Siragusa, Philip Steinbrunner, Kidon Sung and Becky Thompson.

**Meeting Called to Order:** 2:05 p.m., July 25, 2015.

**Minutes Recording Secretary:** Edith Wilkin, Vice Chair.

**Old Business:** Reviewed 2015 symposia and presentations and 2014 Board response to recommendations.

#### New Business:

- ILSI North America Technical Committee on Food Microbiology: 2015 RFP on Pathogens in Low Water Activity Foods” – Alison Kretser–ILSI North America and Nancy Bontempo–Mondelez. Committee members got a chance to ask questions about research format and funding. Requested to follow up directly with ILSI NA.

- “Role of culture independent testing for troubleshooting in low  $A_w$  food environments or foods” – Greg Siragusa, DuPont.
- Edith Wilkin reported from Program Committee the need to have symposia and presentation proposals be concise and to the point in order to be accepted.
- Students and new members were welcomed. Student involvement solicited.
- Reviewed hot topics that are being reviewed for 2016 program and annual meeting. Listing will be sent to membership with meeting notes. Development team includes: Michele Evans, Sofia Santillana Farakos, Lisa Lucore, Laurie Post, Beatrice Conde-Petit, Sanghyup Jeong and Huda Neetoo.

#### Recommendations to the Executive Board:

1. Pardeepinder Brar stepped down as Student Liaison because she has graduated. Requesting board approval for Manoj K. Shah, North Dakota State University, as Student Liaison.

**Next Meeting Date:** July 31, 2016.

**Meeting Adjourned:** 3:55 p.m.

**Chairperson:** Edith Wilkin (Vice Chair standing in for Elizabeth Grasso).

### Meat and Poultry Safety and Quality

**Members Present:** Barb Masters (Chair), Betsy Booren (Vice Chair), Gary Acuff, Jennifer Acuff, Christine Aleski, Patrice Arbault, Aaron Asmus, Kannon Balan, Kristina Barlow, Roy Biggs, Evan Chaney, Roger Cook, Julian Cox, Cathy Cutter, Carl Custer, Jim Dickson, Kevin Edwards, J. Emilio Esteban, Jeff Farber, Charles Giambrone, Kathy Glass, Christie Gray, Evelyn Gutierrez, Miguel Gutierrez, Craig Henry, John Jarosh, Ian Jenson, Robin Kalinoski, Sophia Katheriou, Larry Kohl, Audrey Kreske, Mark Kreul, Saurabh Kumar, Craig Ledbetter, John Marcy, Thomas McCaskey, Kathleen O'Donnell, Randall Phebus, Mark Pratt, Marian Reyes, Robert Salter, Melissa Schlabs, Christopher Snabes, Jolyda Swaim, Harshavardhan Thippareddi, Darren Toczko, Sharon Wagener and Ron Wasik.

**Board/Staff Members Present:** Linda Harris.

**New Members Present:** Quanhong (Lee) Li, Damian Montoya, Lori Hodge, Rick Barney, Xuetong Fan, Charlie Chege, Teresa Lee, Joshua Scheinberg, Robert Thomas, Mark Dawson, Stefano Colombo, Yanying Pan, Fan Zhang, Thomas Danisavich, Nancy Gushing, Silvia Pineiro, Thang Pham, Sydney Corkran, Matthew Bailey, Claudia Narvaez, Sofia Thierry, David Acinitos, Kelly McCarty, Gary Gamble, April Garza, Anne Chi, Katherine Campbell, Lauren Cameron, Heath LaFevers, Joe Heinzemann, Gregory Devulder, Stacey Vaughan and Marcos Sanchez, Ivone Delazari, George Argiriou, Weilin Shelver, Prasad Rallabhandi, Zheng Jiang, Mandy Carr, Matthew Taylor, Eric Puente, Barry Hays, Todd Taylor, Gerson Espindola, Tanya Roberts, Rochelly Serrano, Billy Akinyele, Joshua Smith, Ramesh Sukhram and Jignesh Rasania.

**Visitors/Guests Present:** Lori Ledenbach, Alex Bruner, Carol Valenzuela, George Berns, Surasri Sahu, John Heller, Veronica Ponnathurai, Katie Swanson, Harold Ewell, Nuno Reis, Marc Scantlin, Lori Pivarnik, Sylvia Bergman, Laura Gage and Dane Bernard.

**Meeting Called to Order:** 9:00 a.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Betsy Booren.

#### Old Business:

1. Review of antitrust guidelines by Jolyda Swaim.
2. Review of 2014 Meeting Minutes by Betsy Booren.

#### New Business:

Dr. Emilio Esteban, FSIS-OPHS, provided an updated on Food Safety and Inspection Service (FSIS) regulatory data for *Salmonella* and STEC. Dr. Esteban also answered questions from PDG members on a variety of topics including whole genome sequencing, nutritional composition sampling, and antibiotic resistance, among others.

A discussion ensued regarding potential programming topics for the 2016 meetings. Specific topics include:

1. Mixed Ingredient Food Products and their Safety (Roger Cook, Betsy Booren, Carl Custer, Katie Swanson, Craig Henry, Dane Benard, Jeff Farber, Kristina Barlow, Quanhong (Lee) Li and Marcos Sanchez).
  - a. Should include microwave challenges.
  - b. What role does whole genomic sequencing have in managing and regulating.
  - c. Consumer challenges for cooking and effectiveness of validated cooking instructions and labels.
  - d. Consider reaching out to Education PDG.
2. *Listeria monocytogenes* Control in Food Establishments – What Works and What Doesn't (Jolyda Swaim, John Heller, Betsy Booren, Darron Toczko, Emilio Esteban, Kristina Barlow, Kathleen O'Donnell, Sylvia Bergman, Sharon Wagener, Matt Taylor, Sophia Kathariou and Gerson Espindola).
  - e. Session should include recent outbreak to elucidate to root causes and share information to assistance in solutions and identifying emerging issues.
  - f. Should include challenges with dual jurisdiction facilities, i.e., sources of contamination in sandwich making.
3. Webinar idea: Whole Genome Sequencing for Dummies
  - g. Potential Speakers: DJ Johnson and Martin Weidmann
4. Antibiotics One Health (Kathleen O'Donnell, Dane Bernard, John Heller, Mandy Carr, Betsy Booren, Sophia Kathariou, Silvia Pinerio, Emilio Esteban and Julian Cox).
  - h. Should include discussion on FDA guidance's and impact on resistance development from farm to fork.
  - i. Should include all species; Beef Risk Assessment being developed.
  - j. Consider international implication including WHO.
5. By-Product Utilization and Safety (John Marcy, Betsy Booren, Roger Cook and Barb Masters).
  - k. Session should include what is a by-product and the import/export market for food safety of such products.
  - l. Should include public health issues, organ meats, hide implication, regulatory aspects.
  - m. Potential speakers: USMEF, NPB, UHSLA.

6. Validation Roundtable (Barb Masters, Randy Phebus, John Heller, Joe Heinzlmann, Sydney Corkran, Gerson Espindola, Kristina Barlow, Mark Kruehl, Robert Salter).
  - n. Discussion should include needs of industry from academia, academia perspective on their needs and challenges, and regulatory perspective. Purpose of roundtable is to develop *Food Protection Trends* article for stakeholders (Barb Masters and Betsy Booren).
  - o. Potential Speaker: Sharon Beals – Industry.
  - p. Potential Moderator: Sydney Corkran and Barb Masters.
  - q. Consider collaboration with HACCP Utilization PDG.
7. Zoonotic Disease and Public Health Intersection (Sophia Kathariou and Betsy Booren).
  - r. Discussion would include how to prepare for emerging food safety risks and ensure consumer confidence, i.e., Ebola, MERs, AI.
  - s. Virus/Parasite PDG expressed interest in collaboration and co-development.
  - t. Potential Speaker: David Kingsley, USDA-ARS.
8. Water Sustainability aka Water Hoofprint (Matt Taylor, Mandy Carr, Harshavardhan Thippareddi).
  - u. Would like speakers for water use for in-plant intervention and pre-harvest.
  - v. PDG members to contact Produce PDG and suggest that session be broaden to include this topic in session and assist.
9. Point-Counter-Point: Single Food Agency (Barb Masters, Sharon Wagener, Roger Cook, Quanhong (Lee) Li).
  - w. Session would include having discussion from other countries with single food agencies and describe positive and negatives of such structure. Then point-counter-point of the science and operational aspects within the U.S.

Open discussion ensued on topics of concern for PDG members, which included raw meat and poultry *Listeria monocytogenes* data for retail, STEC/EHEC data in non-U.S. markets, and the need for guidance on how to sample for nutritional composition testing.

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

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri.

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

**Chairperson:** Barb Masters.

### Microbial Modelling and Risk Analysis PDG

**Members Present:** Yuhuan Chen, Marcel Zwietering, Alejandro Amezcua, Michael Batz, Robert Buchanan, Sarah Cahill, Paw Dalgaard, Michelle Danyluk, Noemie Desriac, Darrell Donahue, Rhonda Fraser, Francisco Garces Vega, Leon Gorris, Miao Guo, Keith Ito, Kamin Khaksar, Yasuyoshi Komoto, Shigenobu Koseki, Barbara Kowalczyk, Kunihiko Kubota, Marciane Magnani, Deon Mahoney, Jeanne-Marie Membre, Cian O'Mahony, Clare Narrad, Thomas Oscar, Hao Pang, Gregory Paoli, Abani Pradhan, Tanya Roberts, Sofia Santillana Farakos, Jenny Scott, Dennis Seman, Daniele Sohier, Cindy Stewart, Zeynal Topalcengiz, Erdal Tuncan, Jane Van Doren, Yangyang Wang, Richard Whiting and May Yeow.

**Board/Staff Members Present:** Mickey Parish.

**New Members Present:** Florence Dufour, Margaret Rush, Mark Kazmierczak, Dane Jensen, Mohammed Hakeem, Rachel Binet, Peter Dragasakis, Donna Womack, Chee Zheng, Erdogan Ceylan, Kris Young, Dan Belina, Thomas Bell, Lisa Lucore, Ian Hildebrandt, Ellen Turner, Phillip Gurman, Pharrunrat Tanaviyutpakdee, Pingping Zhou, Aidong Liu, Rafiqul Islam, Wei Hsiang Chang, Qing Wang, David Horowitz, Anna Aceituno, Jaqpinder Brar, Abhinav Mishra, Fabrice Peladan, Emma Hartnett, Vladimir Glukhman, Sanjay Gummalla, Helen Akinruli, Lihan Huang, Tong-Jen Fu and Yohan Yoon.

**Visitors/Guests Present:** Cheng Liu, Jim Arbogast, Isaac Rukundo, Ingrid Huntley, Hiromi Kubota, Moez Sanaa and Jairo Romero.

Total number of participants: ~100

**Meeting Called to Order:** 9:00 a.m., Saturday July 25, 2015.

**Minutes Recording Secretary:** Marcel Zwietering (with help from Yuhuan Chen).

### Greetings/Comments from Executive Board:

Mickey Parish indicated that this PDG had more than twice the number of people present since the past when Mickey was chairing. Also the whole IAFP community is doing well. Last year we had around 3,900 members, now more than 4,200, with growth especially strong in international members (>120%), but also U.S. members. Last year 2,879 meeting participants, now more than 3,100 registered and 3,200 expected at the end of the meeting. There is a little lower number of exhibitors. There are three lunch-time meetings. New secretary (from the academic world) nominations are due in October. Nominations for awards due in February.

### Old Business:

**Minutes.** Minutes from the 2014 meeting were tabled for comments or edits. There were no edits. Motion to adopt the minutes by Leon Gorris, seconded by Alejandro Amézquita. Minutes adopted.

**Webinars.** Yuhuan gave a brief overview of the 7 webinars held in the last four years (see list in Appendix I). Yuhuan thanked the speakers of the last one (Leon Gorris and Elissavet Gkogka) on ALOPs (The application of the Appropriate Level of Protection (ALOP) and Food Safety Objective (FSO) Risk-based Metrics in Food Safety Management). It was mentioned that webinars are a good way to show benefit of being a member. They are available to IAFP members at: <https://www.foodprotection.org/events/webinars/>. Also an overview of the proposals accepted for this conference was given, >60% of our proposals were accepted.

### New Business:

**Guest speaker:** Dr. David Gombas of United Fresh gave a very well structured informative presentation on "Fresh Produce Industry Perspective on Risk Assessment." Fast facts about fresh produce – a billion servings in the U.S. daily, over 300 commodities, most grown outdoors, impact of field contamination on public health unknown. Produce industry interested in knowing about QRA, but communication of what QRA mean is critical to make connection. Shared definition from industry guidance "An initial risk assessment shall be performed and docu-

mented that takes into consideration the historical testing results of the water source, the characteristics of the crop, the stage of the crop, and the method of application... shall address potential physical, chemical, and biological hazards and hazard control procedures for the water distribution system." Suggested potential case study to evaluate risk of current practices and how changes in practices may affect level of risk, by using "widgets" as an example of any fresh produce commodity, and looking at the risk of pathogens from in-field water application.

Questions posed and discussion:

Should we focus on *Salmonella* then instead of generic *E. coli*?

- Generic *E. coli* is not (always) a good indicator for pathogens, but there is not an easy better indicator.

Should risk assessment be done one by one organism?

- First determine the most important, do it for that one.

Lack of data: has industry not loads of data?

- There are mainly loads of zeros. So data may not be fully informative for QRA input.

We need to make decisions despite the lack and uncertainty in the data.

- View shared by members present.

#### **Updates from the ICPMF Committee**

Marcel Zwietering (as being the chair of the International Committee on Predictive Microbiology of Food) gave an update. The next conference ICPMF9 will be in Rio de Janeiro September 8–12, 2015. Since 2015 ICPMF became a subcommittee of the ICFMH (The International Committee on Food Microbiology and Hygiene of the IUMS). Also good relationships and cooperation with the IAFP are continued. Yuhuan indicated that information sharing with ICPMF committee resulted in a 2-page list of predictive modeling and risk assessment tools (presented at ICPMF8 and others); the list was included as a handout in the FDA-iRISK workshop Friday (workshop supported by MMRA PDG).

#### **Update from SRA MRA specialty group (Abani Pradham University of Maryland)**

Abani presented the Society for Risk Analysis vision statement and indicated that the Microbial Risk Analysis Specialty Group (<http://sra.org/specialty-group>) focuses on public health risks associated with a variety of biological hazards including: human pathogens transmitted through routes such as food, water, air, and other sources and noted that these hazards generally share many common features, such as the ability to grow, survive and die; to disperse both actively and passively; to interact with other biological populations in the ecosystem; and to evolve and adapt. The MRA SP has different activities including: sponsor/organize symposia at SRA annual meeting; organize webinars; encourage students–Specialty Group student merit award competition, and facilitate communications and networking (e.g., LinkedIn subgroup). It's clear that the SRA MRA SP and the MMRA PDG have shared interest areas and similar activities and moving forward closer interactions would likely benefit both groups. The SRA MRA SG had a webinar on "The Complexity Balance – Optimal Risk Assessment Design" in 2013 and is planning a webinar on "Using Big Data in Microbial Risk Analysis" for summer 2015 and will share more details with the MMRA PDG in the near future. Abani also mentioned

the MRA officers and website <http://mrasg.org/>. The SRA 2015 Annual Meeting will be in Arlington, Virginia.

#### **Update from RA software/data exchange workgroup**

Cian O'Mahony gave an update on behalf of the workgroup; Matthias Filter from BfR (The Federal Institute for Risk Assessment of Germany) is the lead for the workgroup. Cian indicated that a main objective is to standardize and exchange models and data: Like in system biology (SBML) develop PMF-ML: predictive modeling markup language. The workgroup met during the IAFP European Food Safety Symposium to facilitate discussions among participants; they also develop a document to describe standardization in data and model format. Cian encouraged others who are interested in the initiative to join the workgroup and encourage MMRA PDG members to visit the PMF-ML website developed for information about the initiative and updates: Predictive Modelling in Food Markup Language (PMF-ML). A few months ago the workgroup released a first Software Developer Guide at the OpenML for Predictive Modelling in Food portal <https://sourceforge.net/projects/microbialmodelingexchange/>. There was a question about whether the workgroup might include a case study on data exchange format between different software tools and Cian would bring the idea to the group for consideration.

#### **MMRA PDG member survey**

Marcel provided an overview of the responses of the member survey. Sixteen members responded. Most would like to see about 2 webinars per year. Many ideas for webinar topics and other activities were provided. Thanks to the student member Qing Wang for setting up the survey. A summary of the survey results (PPT slides) including ideas proposed will be sent to MMRA members.

#### **Symposia/Workshops/Roundtables – Ideas for 2016 – Proposal due October 6, 2015 (ideas were distributed before the 07/24 meeting)**

- Global burden of disease project results, how the results are used/to be used, and the lessons learned
- Relevance of product testing in food safety management – recent perspectives from Europe and from FSMA context
- Modeling cross-contamination
- Modeling low moisture foods
- Workshop on challenge tests and connection to predictive modeling and MRA
- *Salmonella* whole genome sequencing – potential connection to predictive modeling and MRA
- Multicriteria decision analysis/foodborne illness attribution related topic
- Interactive session – what undermine confidence in using predictive models and QMRA. What can be done to improve confidence among decision makers in industry, government and others. Connecting probabilistic variability (and uncertainty) in QMRA on the one side and management need for "discrete" decisions on the other side, for a better understanding of how to manage food safety risks in a variable world.

Daniel Sohler: workshop technical guidance for challenge tests.

Challenge test to determine if the organism will grow, survive, inactivate, during the shelf life.

ISO technical guidance for challenge tests (Technical aspects and interpretations). (U.S., Australia and eight European countries), now a workshop on how to use these guidelines, e.g., a calculation tool, etc. Comments: Can a standard for all foods and processes be developed: not be too restrictive. There have been IAFP workshops on the same topic before, would there be enough interest for a new one. Daniel indicated that they have reached out to David Tharp to discuss the issue.

Barbara Kowalczyk: a symposium on risk-benefit assessment, risk assessment related to soil, biological solid and how to overcome hurdles to data sharing.

Leon Gorris: whole genome sequencing: how being used in QRA.

Cian O'Mahony: relevance of microbiome in QRA.

Rachel Binet: enrichment ecology (also in relation to microbiome).

Tanja Roberts and Barbara: how can we improve data sharing between public and private sectors.

What to decide if you detect a positive.

- there is a symposium at this conference

Alejandro: Foodborne antimicrobial resistance (AMR)

- Sarah: QRA: wait a bit by early next year WHO/FAO AMR are investigating how the risk analysis document are used. Study expects to complete in 2 years which could be a good time to propose a symposium on the AMR topic.

Bob Buchanan: Role of decision sciences in risk management: link with law, international PDG.

- Greg Paoli: benefits of inspection activities (government and certifications organisms) what is the benefit of an inspector. Tanya Roberts: this also accounts for the restaurant rating scheme. How does that result in health protection.
  - This decision science topic could be included in a session on:
  - Biological sources and impact of variability on QMRA (strains behavior, dose response, etc.)
  - Technical sources and impact of variability on QMRA (fridge T, storage time)
  - Technical treatment of variability in QMRA
  - Confidence in models and QMRA for decision making
  - How to make discrete decisions despite the huge variability in QMRA

Mike Batz: A lot of DALY and foodborne illness evaluation work published lately: Potentially a roundtable and linked to the global foodborne disease proposal.

#### **Ideas for webinars topics 2014-2015:**

- Global burden of disease project results, how the results are used/to be used, and the lessons learned
- Low-water activity foods

**IAFP 2015** – Yuhuan provided a brief review of a list of selected Symposia and Technical Sessions of note.

#### **Other meetings**

- ICPMF9: Sept 8–12, 2015, Rio, Brazil <http://www.icpmf9.com/>

- SRA 2015: December 6–10, Arlington, Virginia <http://www.sra.org/events/sra-2015-annual-meeting>
- Food Micro 2016: July 19 – 22, Dublin, Ireland <http://www.foodmicro2016.com/>

**Other Business:** None.

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

1. Webinars are a great way of promoting food safety to students, the developing world, small and medium enterprises and other interested parties, and also a good marketing tool for IAFP. Currently the recordings are only available for members and the webinars itself freely available if it has as audience PDG members only. The MMRA PDG recommends that recordings of MMRA-PDG webinars be made freely available again (as was in the past) for both IAFP members and non-members. The PDG also recommends that webinars sponsored by the MMRA PDG be freely available to members of other IAFP PDGs.

**Next Meeting Date:** July 31 – August 3, 2016, America's Center, St. Louis, Missouri.

**Meeting Adjourned:** 11:02 a.m.

**Chairperson:** Yuhuan Chen.

### **Pre Harvest Food Safety PDG**

**Members Present:** Divya Jaroni, Bassam A. Annous, Achyut Adhikari, Pragathi Belagola Shridhar, Mandy Carr, Diane Ducharme, Paula Fedorka-Cray, Carl Custer, Eduardo Gutierrez-Rodriguez, John J. Guzewich, Fawzy Hashem, Sanja Ilic, Li Ma, Karl Matthews, Patricia Millner, T.G. Nagaraja, Jitu Patel, Gireesh Rajashekara, Sara N. Swanson and Siddhartha Thakur.

**Board/Staff Members Present:** Linda Harris.

**New Members:** Phillips Tocco, Malak Esseili, Juan Leon, Abani Pradhan, Gordon Davidson, Donna Pahl, Claudia Coles, Laura Strawn, Alice Wei, Michelle Danyluk, Angela Fields, Daniel Weller, Katie Shiraishi, Matthew Taylor, Marcos Sanchez, Jorge Mosqueda, Amber Nair, Michele Williams, Breki Magunga, Aparna Tatavarthy, Jie Zheng, Radhika Kakani, Hudaa Neetoo, Betsy Booren, Shivaramu Keelara Veerappa, Zheng Jiang, Jagpinder Brar, Harold Ewell, Modesto Olanya, Daniel Wing, Brooke Whitney, Alex Wladyszewski, Laura Mrachek, Deog-Hwan Oh, Mark Kreul, Elba Arias, Mariana Villarreal Silva, Songsirin Ruengvisesh, Suresh Pillai, Laura Matthias, Stacey Vaughan, Anna Aceituno and Justin Brooks.

**Visitors/Guests:** Anil Persad, Marion Castle, Luis Cervantes, Colin Choy, Maxwell Hand, Eva Lauve, Katherine Mieszkowski, Jerrey Priebe, Stephanie Defibaush-Chavez, Ingrid H, Gao Setlmare, Buffy Montgomery and Daniel Mason.

**Meeting Called to Order:** 3:00 p.m., Saturday, July 25, 2015.

**Recording Secretary of Minutes:** Radhika Kakani.

Divya Jaroni (Chair) called the meeting to order at 3 p.m. Radhika Kakani was appointed the recorder of the meeting minutes. Sign-up sheets were passed around for new and existing members and visitors. Meeting agenda was distributed. The meeting started with Divya Jaroni introducing Dr. Bassam Annous (Vice Chair) and welcoming the new and existing PDG members and visitors. She mentioned that last year's

(2014) meeting minutes were emailed to all the members and were also available online at IAFP website. Bassam Annous mentioned that last year meeting minutes were already approved and this year meeting minutes will be approved on this Monday. Divya Jaroni went over last year's symposium topics. Out of six submitted symposia last year, only one got accepted as a roundtable: "Pre-harvest Control of Zoonoses: Opportunities and Hurdles". This round table is scheduled for July 26, 2015 from 1:30 to 3:00 p.m. and interested members can attend the event. She briefly outlined the 2015 meeting agenda about discussion topics, new challenges in pre-harvest food safety, international perspectives, ideas for workshops, creating webinar series or just webinars and increasing communications with the PDG members.

Divya Jaroni introduced Dr. Linda Harris from the IAFP Executive Board. Dr. Harris welcomed all and talked about the importance of PDGs. She is a participating member for the past 28 years and found greatest value, connections and collaborations. She called for more active involvement of the members. She asked about student members and mentioned about strong encouragement from student PDGs. She also talked about how PDGs are reaching out and doing very well and how the membership was increased in the last 10 years. She encouraged members to attend upcoming Sunday and Monday lunch time talks.

Divya Jaroni thanked Dr. Harris and the floor was opened for discussion of topics for next year's IAFP. Carl Custer talked about how symposia topics submitted have been rejected and suggested the members to submit again providing new data and information. Linda Harris talked about PDGs submitting six or seven symposia and expecting all to be accepted. She suggested submitting one or two strong symposia or webinars instead of submitting six or seven. Bassam Annous agreed to that and suggested submitting a strong one about hot or current topics of the year. Symposia got rejected 2 or 3 times a year can also get accepted that year if the topic is good and relevant. Divya Jaroni agreed to that and she suggested combining ideas from other PDGs and submit as a strong one. Bassam Annous mentioned that they couldn't find a speaker to talk at this meeting and he asked the members to provide or suggest any speaker names for next year. Bassam Annous asked the members to submit a topic so that it can be decided to seek it further or not. He asked about the new ideas or topics to bring to the floor for next year.

1. Juan Leon proposed a symposia topic about challenges and opportunities about viruses and parasites in produce from farm to fork. What are the guidelines to be followed, how to sample and detect viruses and parasites especially at pre-harvest level.
2. Multiple routes of contamination including soil, water and hands. Hygiene and hand washing are important factors in the contamination of fresh produce. Agricultural community has unique needs around hand-hygiene. Symposia topic suggested: "Hand hygiene and forming guidelines on the farms." This symposium would discuss best practices in produce production, including hand hygiene, to reduce contamination and improve food safety in fruits and vegetables.
3. Jack proposed how to measure the impact of food safety regulations already in place. How do we know that they are making a difference?
4. Carl Custer talked about how FSIS standards lower the incidence of salmonellosis in beef, pork and poultry, but produce is left out. More incidences were report-

ed in produce. Is it because of better detection and case controls? We got more cases detected in muscle foods. How to detect in produce? How much contamination is coming from animal production? It is complex process.

5. Dr. Oh from Korea talked about the importance of combining together "pre-harvest and post-harvest control measures from farm to table" from other PDGs. In IAFP, only U.S. and European countries food safety regulations are talked about and other countries food safety policies are left out. He proposed to have combined information on food safety policy from pre-harvest to post-harvest in terms of Asian perspective, U.S., European and other countries. International perspective on management policies. Bassam Annous elaborated on international policies. He invited international scientists to come and talk about the policies in a round table. Differences in each country program and how to meet U.S. or European standards could be discussed at that roundtable. Linda Harris mentioned about "Food law PDG" and suggested that pre-harvest interface policy could be a lively discussion. Other members agreed that round table is a good idea and suggested to get guest speakers from different parts of the world like South America, Australia, New Zealand, etc. Jack mentioned about difficulties in identifying right people as speakers. He suggested getting speakers from FAO instead from individual countries.
6. Dr. Suresh Pillai talked about how Department of Defense and Homeland Security detected extremely low infectious doses of new pathogens in air samples throughout the world. They found virulence sequences of pathogens that don't exist before. What are we embarking upon? Personality disorders are also linked to gut microbiota. Gut microbiota is influenced by air pollution and surrounding environment. He proposed a symposium which questions the value of technology in use today and how to be ready to face new infections?
7. Paula Cray proposed a symposium about emerging pathogens of global significance on farm and how these emerging pathogens are contributing in development of antimicrobial resistance. She also suggested getting international speakers. Divya Jaroni thanked and asked for further comments. Carl Custer agreed and mentioned that antimicrobial resistance is a hot topic. Divya Jaroni asked Paula Cray which pre-harvest system she would like to take it up – produce or animal systems? Paula Cray replied that it is an ecological perspective; and produce, soil and animals are related to each other. Sid and Paula are involved in projects in different countries like India, Africa, China, Brazil. It is no longer just animals or produce. Everything is related. Bassam Annous asked if she is interested to take a lead in putting forward for this symposium and she said yes. She suggested to high light U.S. perspective in the first half of the symposium and shifting globally in the second half.

Divya Jaroni called for further new ideas for symposia or any other ideas for next year's IAFP and PDG meeting. Bassam Annous announced that October 6 is the due date to submit a symposium, but asked the members to come up with topics by Monday, July 27, 2015. Jack suggested prioritizing the symposia topics. Divya Jaroni went over the suggested symposia topics

again and asked for further thoughts on creating webinar series. Bassam Annous informed that webinars are free for PDG members, non-members should pay \$25. He suggested having at least two webinars each year and asked about getting speakers.

### Recommendations to the Executive Board

1. Recommend having new, upcoming, young scientists as speakers to give them platform for exposure. It will also capture the attention of the program committee.
2. Suggest having a session on international food safety policies.
3. Suggest sending a copy of the finalized symposia topics to the student PDG members so that they also can look at them and have a chance to participate in symposia.

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri.

**Chairperson:** Divya Jaroni.

### Retail and Foodservice PDG

**Members Present:** Gina Kramer (Chair), Jay Neal (Vice Chair), Michelle Wollenzien (Secretary), Susan Hammons (Student Liaison), Michael Ames, Jeffrey Anderson, Rick Barney, Thomas Bell, Bobby Krishna, Jeff Mitchell, James O'Donnell, Brian Turner, Kristina Barlow, Rick Barney, Betsy Booren, Francie Buck, Catherine Bureau, Pam Coleman, Turonda Crumpler, Kevin Edwards, Miriam Eisenberg, Thomas Ford, Jan Gardner, Dale Grinstead, Cory Hedman, Toni Hofer, Atef Idriss, Marjorie Jones, Larry Kohl, Audrey Kreske, Mark Kreul, Junehee Kwon, Ann Marie McNamara, Christopher Melchert, Jeff Mitchell, Brian Nummer, Daniel Okenu, Ruth Petran, Kathleen O'Donnell, Haley Oliver, Charles Papa, David Rasmussen, Todd Rossow, Charles Seaman, Kevin Smith, Chris Spangenberg, Gloria Swick-Brown, Ki Sun Yoon, John Zimmerman and Robert Kramer.

**Board/Staff Members Present:** None.

**New Members Present:** Bassam Annous, Sudarsan Muralidharan, Clyde Manuel, Melissa Campbell, Jim Arbogast, Meitha Al Marri, Lori Costello, Stephen Lyon, Zhinong Yan, Wayne Mello, Chris Jordan, Tom Seitz, Steve Lacy, Kelly McCarty, Thang Pham, Suzette Stalker, Barbara Kowalczyk, Melody Ge, Todd Taylor, Brita Ball, Steve Hails, Claudia Lucioni, Aurora Saulo, Lori Hodge, William Weichelt, Abebe Aberra, Andrea Ray, Lily Yang and Tony Flood.

**Visitors/Guests Present:** Chris Boyles, Don Jones and Anthony Auffray.

**Meeting Called to Order:** 1:00 p.m., Saturday, July 25, 2015. Motion was made to accept by Dale Grinstead, Kathleen O'Donnell, seconded.

**Minutes Recording Secretary:** Michelle Wollenzien, Secretary.

Gina Kramer

Welcome – Introductions of Retail & Foodservice PDG Officers:

Gina Kramer – Chair

Jay Neal – Vice Chair

Michelle Wollenzien - Secretary

**Old Business:** Adoption of 2014 PDG meeting minutes by Betsy Booren, seconded by Dale Grinstead.

### Updates & Presentations:

Tony Flood – IFIC Foundation Food & Health Survey – Food Safety Results; Recalls (handouts)

Dale Grinstead – NoroCore

- 1) Environmental transmission of Norovirus
- 2) Epidemiology
- 3) Risk Assessment
- 4) Products & Techniques for sanitation and efficacy
- 5) Vomiting Cleanup Guidelines

Kevin Smith – FDA

- Foodborne illness risk factor study (FDA website) Training/monitoring/effective managerial controls/PIC/compliance Training inspectors/sanitarians – communicating controls with operators

Building a food safety culture

Reminder – food code supplement

FMI – Priority Action Items

1. FSMA implementation of compliance
2. *Listeria* prevention and control at retail
3. Produce safety
4. Menu labeling

Christopher Milford – NRA

1. Avian flu (shelled egg guidelines/pooling)
2. E-cigarettes
3. Menu labeling/sodium/trans fats/sugars, etc.
4. Food recovery – guidelines need to be presented on food safety

Dr. Haley Oliver/Suzu Hammons – Lm Mitigation and Control (see slide show)

- Precursor to special symposium on *Listeria*

Jeff Mitchell – ChemStar – Environmental monitoring program and controls in retail

- Non-food contact/equipment; focus areas from knee down
- Path control in production area
- Hand washing/touch points/contamination
- Low moisture treatment – foam sanitizing
- Key focus: contact time, concentration agitation

### New Business:

Recognition of Black Pearl Award: Tyson

Past recipients – recognition

Encouragement to apply for Black Pearl Award

Retail & Foodservice Student PDG – Jay Neal

Student group – mentorship program

- Establish guidelines/structure for program
- Encouragement to mentor a student mentee

Session Topic Development:

Retail & Food Service PDG Sponsored & Co-Sponsored Sessions

135 proposals – 76 accepted (2015)

Request that everyone submit a short symposium.

## Proposed Sessions for 2016

- Recommending GSFI in Retail – resubmit – Hilary Thesmar will take the lead/Tom Ford (Ecolab)/ Ann Marie McNamara (Jack in the Box)/HEB Cathy Bureau/ Mike Ames/Melody Ge.

## Topic ideas:

- Ann Marie (Jack in the Box)/Barbara Kowalczyk RTI/ Christophe Dufour (International comparison – collaborate with International PDG/Food Law PDG)/Bobby Krishna: Risk Factors Studies (FDA): actionable items – International viewpoint; WHO surveillance.
- Anna Starobin/Suzy Hammons/Mark Kreul/Rick Barney (In & Out)/James O'Donnell/Scott Goultry: Use of sampling technology in retail; is it practical? Voluntary monitoring in retail vs mandatory food processing – include Equipment and Design PDG, • Lab Methods PDG, Meat & Poultry PDG.
- Roundtable: sanitation process failures in retail and food service and how to turn it into a success; evaluation of actual procedures and policies – Chris Spangenberg, Dale Grinstead/ Melissa Campbell/Jeff Anderson include Hygiene and Sanitation PDG.
- CSI of foodborne illness; Genome Sequencing– Clyde Manme/ Stephen Myan, Mark Kreul, Haley Oliver/ Martin Weidman.
- Allergen Management & Control in Retail & Food Service – Dan Okenu/Marjorie Jones NSF/Francis Buck /Melody Ge– International perspective (celery is an allergen in Europe).

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

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri.

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

**Chairperson:** Gina Kramer.

## Sanitary Equipment and Facility Design PDG

**Members Present:** Robert Hagberg, Edyta Margas, Tom England, Michele M. Evans, Charles Giambone, Stephen Perry, David D. Rasmussen, Allen Saylor, Ronald H. Schmidt, Joseph M. Stout, Zhinoug Yan and Yue Zheng.

**Board/Staff Members Present:** Tim Jackson and Dina Siedenburg.

**New Members Present:** Billy Akinyele, Cristal Garrison, Deb Smith, Tom Berry, Thomas Johnston, Denise Dufresne, Sanghyup Jeong, Tong Liu, Keila Perez-Lewis, Laurie Petrey, Rachel McEgan, Pardeepinder Brar, Yanying Pan, Joe Marcy, John Tulenko, Ruth Petran, Don Pagh, Joe Meyer, David Acinitos, Beth Fryksdale, Angela Valadez, Quanhong Li, Teresa Olson, Eric Hollekim, Chris Crumly, Angi McMurray, Gina Flores, Thang Pham, Thomas Bell, Jessica Brown, Khalid Abdelrahim, Elsa Fakhoury, David Buckley, Naim Montazeri, Samjhana Dahal, Andrea Palazuelos, Jaclyn Golemohammadi, Rachel Wells, Claudia Coles, Anne Starobin, Derek Richey, Brent Brehmer and Donatien Kabore.

**Visitors/Guests Present:** Erica Anderson-Decina, Debbie Lohmeyer, Susan Leslie, Darlene Dittrich, Tracie Sheehan, Duane Grassman, Cecilia Crowley, Anthony Auffrey, Shruh

Medathapale, Anita Dubry, Samia Estassi, Karim-Froni Khinouche and Ingrid Huntley.

**Meeting Called to Order:** 3:00 p.m., Saturday, July 25, 2015 by Chair Robert Hagberg who read the anti-trust statement.

**Minutes Recording Secretary:** David Buckley, Student Liaison.

**Old Business:** Approved the Minutes of the 2014 meeting.

## New Business:

- Elected as Vice-Chair: Edyta Margas, Buehler Group.
- Board Member Tim Jackson updated the group from the organization and executive board.
- Alan Saylor reminded the group to make sure to nominate deserving individuals for IAFP awards.
- A panel consisting of Tim Rugh, Matt Henderson, and Steve Perry, discussed available Sanitary Design resources including Standards from 3-A Sanitary Standards, Inc., NAMI (North American Meat Institute) sanitary design principles for equipment and factories, and OpEX Leadership Network's One Voice for Hygienic Equipment Design for Low-moisture Foods. Additional resources for Dairy, Bakery and Produce were also discussed by Joe Stout.

The PDG and the panel discussed the differences and applicability for the varied industries as well as for multiple food safety concerns including allergens, pathogens and microbial spoilage organisms.

- The group discussed creating a mission statement. Ideas to be discussed at the next conference call.
- The PDG discussed potential workshops, webinars, and symposium ideas including webinars on preventive maintenance education and training.

## Recommendations to the Executive Board:

1. The Sanitary Equipment and Facility Design PDG recommends the Executive Board recognize the election of Edyta Margas as Vice-Chair.

**Next Meeting Date:** Early September 2015.

**Meeting Adjourned:** 4:55 p.m.

**Chairperson:** Robert Hagberg.

## Seafood Quality and Safety PDG

**Members Present:** Michelle Lovett (Chair), Barbara Blakistone, Brian Himelbloom, David Kingsley, Catherine Liu, Doug Marshall, Naim Montazeri, Forest Reichel (elected as Vice-Chair), Salina Parveen, Maria Reyes, Otto Simmons, Peter Hibbard, Kristin Butler and Patricia Curtis.

**Board/Staff Members Present:** Mickey Parish, VP IAFP.

**New Members:** Mark Dawson, David Horowitz, Leonel Vera, Stacey Vaughan, Sangwoo Cho, William Burkhardt, Enrico Buenaventura, Jessica Jones, Angela Ruple, Michele Williams, Luxin Wang, David Lees and LeeAnne Applewhite.



**Visitors/Guests:** Marc Scantlin, John Heller, George Weber, Amanda Flathers, Erin Wenke, Nathalie Brosse, Greg Siragusa, Harold Ewell, Kidon Sung, Christopher Rezendes, Douglas Abbott, Lori Pivarnik and Mariza Landgraf.

**Meeting Called to Order:** 1:00 p.m., Saturday, July 25, 2015.

**Recording Secretary of Minutes:** Michelle Lovett and Forest Reichel.

**Old Business:** Approved Minutes of the 2014 meeting.

**New Business:**

1. Welcome to members and comments from Board and Staff Liaisons (10 min)
  - a. Mickey Parish discussed increase in membership over last year, upcoming lunch workshops, and promotion of webinars throughout the year.
2. Dr. Greg Siragusa, Senior Principal Scientist and Nathalie Brosse with DuPont Nutrition & Health will discuss the evolution of microbiomes in raw, cold, and hot smoked salmon.
3. Election of Vice-Chairperson (15 min)
  - a. Forest Reichel was elected as PDG Vice-Chair
4. Discussion of proposed topics for symposium development, workshop, or roundtable for the 2016 IAFP Meeting. A few possible topics follow.
  - 2017 – 20th anniversary of Seafood HACCP.
  - Avirulence of *Vibrio* in Brazilian oysters vs U.S.; Dr. Mariza Landgraf of the Universidade de São Paulo will brief us on the topic. We'll all learn something and then consider if oysters are the right topic for IAFP 2016.
  - Reduction of *Vibrio* in oysters, harvest/handling practices, regulatory piece.
  - Economic Fraud in Seafood-Safety concerns to economic fraud, can be a collaborative venture with other PDG.
  - Webinar topic-Marine Biotoxins.
  - Impact of Climate Change.

The deadline for symposium proposals through the Association's on-line submission program at [www.foodprotection.org](http://www.foodprotection.org) is no later than October 6, 2015.

**Recommendations to the Executive Board:**

Approve Forest Reichel as PDG Vice-Chair.

1. Webcasts available to nonmembers.
2. One free webinar per year with membership renewal.

**Next Meeting Date:** July 31, 2016.

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

**Chairperson:** Michelle Lovett.

### Student Professional Development Group

**Members Present:** Lily Yang (Chair), Nicole Arnold (Vice-Chair), Stephanie Barnes (Secretary), Daniel Weller (Treasurer), Ellen Evans, Lauren Hudson, Shuang Wu, Matthew Moore, Byron Chaves, Lisa Trimble, Pushpinder Litt and Patricia Hingston.

**Board/Staff Members Present:** None.

**New Members Present:** Rachel Courtney, Jennifer Anders, Robyn Miranda, Daniele Maffei, Jaza Alshammari, Lingling Liu, Justin Falardeau, Shuxiang Liu, Laurie Leveille, Sheena Patel, Hayk Harutyunyan, Sydney Corkran, Phillip Gurman, Isaac Rukundo, Alex Bruner, Currey Nobles, Sarah Beno, Justin Bergeron, Peter Cook, Samson Zhilyaev, David Buckley (Social Chair), Jennifer Acuff, Jacob Jenott, Amanda Wilder, Victor Ntuli, Thabile Nkambile, Desmond Mugadzadt, Michael Milillo, Keely Johnston, Ravikiran Tadapaneni, Raies Mir, Jiin Jung, Carla Schwan, Andrea Ray, Elizabeth Holmgren, Alan Gutiérrez and Enrique Garcia Perez.

**Visitors/Guests Present:** None.

**Meeting Called to Order:** 1:00 p.m., Saturday July 25, 2015.

**Minutes Recording Secretary:** Stephanie Barnes.

**Old Business:** Presentation of outgoing officers.

**New Business:** New officers were introduced and new members were welcomed. Lily encouraged students to get involved with other PDGs and their development of proposals. She mentioned the technical sessions and symposia that will be put on by the SPDG at the 2015 meeting. These sessions included: S32 – Today's Food Safety and Risk Communication Environment: Solutions-based Strategies to Improve Public Understanding; S19 – The Never-ending Quest for Discriminatory Power: Updates on Molecular Analytics of Foodborne Pathogens; and RT8 – Taking a Detour: Innovative Careers in Food Safety. Proposal ideas will be submitted to the SPDG Google Drive or email before the middle of August. Further discussion of these ideas will occur at a later to be determined date before the deadline for proposals on October 6, 2015.

Lily discussed the idea of monthly meetings for SPDG members that will occur on Google hangouts. A newsletter was discussed as another way to keep members current on food safety issues. A mentor/mentee program with the Retail and Foodservice PDG was announced. Finally, the Developing Food Safety Professionals PDG invited members of the SPDG to learn more about ways students can get involved with their PDG and stay connected with IAFP after graduation.

**Recommendations to the Executive Board:**

1. Allow students to have student-based/led symposia, roundtables, etc.

**Next Meeting Date:** July 31, 2016.

**Meeting Adjourned:** 1:30 p.m.

**Chairperson:** Lily Yang.

### Viral and Parasitic Foodborne Diseases PDG

**Members Present:** Stephen Grove, David Kingsley, Frank Burns, Franck Chatigny, Andrea Cipriani, Changsun Choi, Nigel Cook, Carl Custer, Doris D'Souza, Christophe Dufour, John Guzewish, Julie Jean, Kalmia Kniel, Alvin Lee, Fabienne Loisy, Efstathia Papafragkou, Sarita Raengpradub, Jennifer Shields, Otto Simmons and Samantha Wales.

**Board/Staff Members Present:** Tim Jackson.

**New Members:** Idrissa Samandougou, Christine Yu, William Burkhardt, David Lees, Blanca Escudero, Fabrice Peladan, Juan Leon and Hediye Cinar.

**Meeting Called to Order:** 9:02 a.m., Saturday, July 25, 2015.

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

**Welcome and Introductions:** David Kingsley, PDG Vice-Chair; and all attendees present.

**Report from IAFP Executive Board:** Tim Jackson provided the update from the Executive Board. Record number of members with 4,200 members currently, reporting a strong attendance at the IAFP 2015 meeting – a record attendance above 3,000 attendees. Topics should be considered for webinars as well as symposia.

**Old Business:** 2014 PDG meeting minutes were approved by members, and the PDG was reminded that the minutes are located on the IAFP website for review.

#### **New Business:**

Overview of current topics of interest

##### *Lee-Ann Jaykus, North Carolina State University*

Alvin Lee presented on behalf of Lee-Ann an update on activities within NoroCORE. An overview of each CORE was presented. Research continues in the project and progress will be presented in this IAFP meeting and in calicivirus meetings internationally in the next two years.

##### *Chun Wang – Texas Department of State Health Services*

Chun Wang provided an update on the current *Cyclospora* outbreak investigation in Texas.

Cases of *Cyclospora* have increased dramatically in recent years, with 600+ cases in 2013, 170+ cases in 2014, and already 200+ cases in 2015. This increase cannot be simply linked to an increased number of fresh produce imports. Cilantro imported from Mexico is again suspected as implicated produce item. Two differences have been noted in this year's outbreak compared to the last two year's outbreaks:

1. Different dates of onset compared to past years (earlier in the summer this year).
2. Different region affected (Austin area).

##### *Update on Program Committee:*

Alvin – Increasing numbers of abstracts and symposium proposals submitted to the program committee in recent years. Need very well developed proposals with support from other PDGs. Sessions that are well developed will be given higher priority.

##### *Election for Vice-Chair*

The PDG membership voted for the Vice-Chair out of three candidates. Efi Papafragkou (FDA-CFSAN) won the vote.

Discussion of topics for IAFP 2016

##### *Juan Leon*

- Viruses on produce – how to detect (sampling on field and in retail)
- Epidemiology
- Training and extension

##### *Nigel Cook*

- Standardized methods – under investigation currently
- In depth look from those using the methods – what works and what doesn't
- Novel process for virologists in the standardization process

##### *Alvin Lee and Lee-Ann Jaykus*

- NoroCORE – update on research activities:
  - In vitro cultivation
  - Epidemiological findings
  - Norovirus risk model – NorOPTIMAL
  - Intervention strategies that work
  - Where are we with detection
  - Role of stakeholders informing research and extension
  - Social media in public health messaging
  - Building capacity in food virology
  - Ensure topics are presented in a manner that relates to implications worldwide

##### *Other topics*

- Hand hygiene as it relates to viruses and parasites
- Public health issues around hand sanitation
- How effective is hand washing – need for disinfectant, not just washing
- Behavioral issues around hand washing
- Changes in lifestyle affecting norovirus prevalence
- Use of water in food production – what if potable water contains viral RNA during food production?
- What does a food company do with a positive result for norovirus?
- Towards agreement between regulators, industry and academia
- Hepatitis E
- Under the radar/ subclinical agents of illness (combine with Toxoplasma)
- Causing issues in pork production – but not just in pork, e.g., detected in shellfish
- Why is this considered an important issue in some parts of the world and not in others?
- Parasites
- Moving toward molecular methodology
- What do we still not know – surveillance, where is contamination coming from? What is the route of contamination in these outbreaks, and how are epidemiological investigations hampered in these outbreaks?
- Toxoplasma is linked to neurological effects and considered highly in risk ranking studies. Current information on Toxoplasma should be proposed as a symposium
- Metagenomics
- Emerging agents of illness discovered in feces=
- How accurate is the data?
- What about food-related agents but not foodborne illness agents (for discussion with Meat and Poultry PDG)
- Role of bats, bush meat, bats
- Many contamination issues are the same between viruses and parasites – combined symposium on issues in investigating outbreaks of viruses and parasites

These topics will be discussed in upcoming conference calls, and potential speakers identified. The group will decide if any topics are better suited for a webinar

**Recommendations to the Executive Board:**

1. Efi Papafragkou recommended as Vice-Chair of the PDG.

**Next Meeting Date:** July 31, 2016, America's Center, St. Louis, Missouri.

**Meeting Adjourned:** 10:55 a.m.

**Chairperson:** David Kingsley.

### Water Safety and Quality PDG

**Members Present:** Dorothy Wrigley (Chair), Wendy Maduff, Siobhan Egan, Peter Kennedy, Sharon Lanini, Li Ma, Rachel McEgan, Susan McKnight, Laura Mrachek, Suresh Pillai, Kathleen Rajkowski, Robert Salter, Otto Simmons, Patrick Spaninger, Lisbeth Truelstrup Hansen and Daniel Wing.

**Board/Staff Members Present:** Alejandro Mazzotta.

**New Members Present:** Kathy Woodward, Bryan Dieckelman, Vicky-Lynne Scott, Samia Estassi, Ataf Idriss, Luxin Wang and Christopher Conway.

**Visitors/Guests Present:** John Orr, Achyat Adhikari, Sarah Peterson, Thomas Carlisle, Anna Starobin and Amber Nair.

**Meeting Called to Order:** 9:02 a.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Siobhan Egan.

**Old Business:**

1. Review of guidelines for PDG and housekeeping items
2. Reviewed and accepted 2014 minutes

**New Business:**

1. Vice chair election – Samia Estassi elected as vice chair.
2. Alejandro Mazzotta spoke on behalf of the IAFP Board.
  - a. No webinars last year. PDGs are encouraged to organize webinars on whatever topic they want.
3. Roundtable of Interest: *Aquaponics: How do we safely produce fish and vegetable in the same water?* Sunday, July 26th 8:30–10:00 AM Room B117–119.
4. Review of responses to 2014 recommendations to the Executive Board.
  - a. Recommendation Suresh Pillai to revisit the IAFP Board's position on never taking a policy position.
5. Possible symposia or roundtable.
  - a. FSMA revised rule regarding water quality with produce.
    - i. Concerns on die-off rules, how to measure the safety in irrigation waters, need for base levels of microbial loading.
    - ii. Webinar possibilities.
      1. Large and small growers reaction and concerns regarding FSMA rule (Wendy Maduff, organizer).

2. For researchers looking for solutions (Luxin Wang and Wendy Maduff, organizers).
  3. Government input on final rule (Kathleen, organizer).
  4. International standards and compliance with U.S. standards (Atef Idress – as volunteered by Susan McKnight and Lisbeth, organizers).
- b. Roundtable: water reuse technologies especially in water restricted environments (Suresh and Christopher Conway, organizers).
    - i. Technologies available
    - ii. Toilet to faucet reuse
    - iii. Treated wastewater into aquifers
    - iv. Alternate treatments
    - v. RO/UF/Ozone/Electron Beam technologies
    - vi. Invite participation by Water Reuse Association
  - c. Work with two to three PDGs on a drought or climate change impacts on food safety

**Recommendations to the Executive Board:**

1. Rethink policy on IAFP taking no policy stances.
2. Circulate names and emails of chairs and vice chairs of all PDGs to chairs of PDGs to facilitate collaborations on symposia and roundtables by early September 2015.
3. Modify proposal format to facilitate multiple PDG organizers.
4. Approve Samia Estassi as Vice Chair.

**Next Meeting Date:** July 31–August 3, St. Louis, Missouri.

**Meeting Adjourned:** 10:50 a.m.

**Chairperson:** Dorothy Wrigley.

## TASK FORCES

### New Media Task Force

**Members Present:** Ben Chapman (Chair), Brian Sauders (Vice Chair), Gary Acuff, Alejandro Castillo, Deon Mahoney and Don Schaffner.

**Board/Staff Members Present:** Mickey Parish and Lisa Hovey.

**Visitors/Guests Present:** Jack Cooper.

**Meeting Called to Order:** 8:30 a.m., Saturday July 25, 2015.

**Minutes Recording Secretary:** Ben Chapman.

**Old Business:** Update on recommendations to the board from 2014. We had provided the Board with a social media/new media strategy that includes a request for IAFP staff time to be dedicated to social media (Susan). In January, the Board asked Lisa and Ben to work together to get into specifics for what Susan would focus on). See appendix for the notes of Ben and Lisa's discussions.

Highlights included:

1. Catalog current IAFP members who are active on social media as it relates to food safety/food protection, provide to IAFP staff to add to LinkedIn and Twitter.

2. Establish subcommittee to participate in monthly social media editorial meetings to guide Susan. Topics on these calls will include: discussion of current and topical issues in food safety (to mine *FPT* and *JFP* for relevant papers that will be posted to Facebook (FB), LinkedIn (LI) and Twitter from official IAFP accounts); current issues of *JFP* and *FPT* and matching up authors for discussions on LI and Twitter.

**New Business:**

The task force discussed specifics of the editorial schedule and created a plan for highlighting IAFP members, publications and those who are already active in social media. We discussed calling this highlight 'Under the microscope' and that next steps would be to create an editorial schedule.

Task force members would go to the Webinar task force and connect with *JFP* and *FPT* editors to create schedule specific themes.

We also discussed creating webinars and Q&As with authors/students related to the 'under the microscope' highlights.

We will have a conference call in early October to plan for highlights in November.

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

**Next Meeting Date:** July 31, 2016, St. Louis, Missouri.

**Meeting Adjourned:** 9:20 a.m.

**Chairperson:** Benjamin Chapman.

### Webinar Task Force

**Members Present:** Gary R. Acuff, James S. Dickson, Purnendu C. Vasavada, Kalmia E. Kniel, Donald W. Schaffner and Manpreet Singh.

**New Members Present:** Andrea Palazuelos and Brian Sauders.

**Visitors/Guests Present:** Hailey Miller, Carlos Navarro and Ben Chapman.

**Meeting Called to Order:** 10:00 a.m., Saturday, July 25, 2015.

**Minutes Recording Secretary:** Gary Acuff.

**Old Business:** Discussed recommendations from Executive Board regarding future of Task Force.

**New Business:** Ben Chapman from the New Media Task Force provided an update on their meeting and proposed that they could work with our group to push content through Twitter, Facebook, etc., and would interface with organizers to assist webinar efforts.

**Recommendations to the Executive Board:**

1. Convert the Webinar Task Force to Standing Committee of 5–6 members with three-year terms and then conduct a review to determine effectiveness. This should be done as quickly as possible to provide optimal opportunity to make progress before next annual meeting.
2. Recommend the following to be considered as members: Don Schaffner, Manpreet Singh, P.C. Vasavada, Jim Dickson, Kali Kniel, Gary Acuff and Bob Gravani.
3. Recommend Manpreet Singh as new committee chair. Gary Acuff can assist as vice-chair if needed.
4. Recommend that the new Committee closely collaborate with Ben Chapman and Brian Sauders on New Media Task Force, and with PDG chairs/vice-chairs.
5. Recommend that the symposia not accepted by the Program Committee be sent to the Webinar Committee for possible development into webinars.

**Next Meeting Date:** None set for the Task Force.

**Meeting Adjourned:** 10:54 a.m.

**Chairperson:** Gary Acuff.

# AFFILIATE COUNCIL MINUTES

IAFP 2015 – Saturday, July 25, 2015  
Portland, Oregon

## Affiliate Delegates Present:

### North America:

Alabama	Neil Bogart
Alberta	Lynn McMullen
Arkansas	Nancy Gushing
Capital Area	Jenny Scott
Chinese in NA	Li Ma
Florida	Peter Hibbard
Georgia	Tori Stivers
Indian in NA	Harshavardhan Thippareddi
Minnesota	Julie Sundgaard
Missouri	James O'Donnell
New Jersey	Virginia Wheatley
New York	Steve Murphy
Ohio	Christina Ritchey Wilson
Ontario	Lynne Fruhner
Pennsylvania	Janice Bowermaster
Quebec	Julie Jean
Southern California	Turonda Crumpler
Texas	Alex Castillo
Upper Midwest	Tom Berry
Wisconsin	Michael Schoenherr

### International:

Argentina	Fabiana Guglielmone
Australia	Sandy Hume
Brazil	Mariza Langraf
China	Xiumei Liu
Colombia	Janeth Luna
Hong Kong	Terence Lau
Korea	Kunho Seo
New Zealand	Roger Cook
Taiwan	Lee-Yan Sheen
United Arab Emirates	Bobby Krishna
United Kingdom	David Lloyd

**IAFP Board and Staff Present:** Don Zink; Tim Jackson; Don Schaffner; David Tharp; Lisa Hovey; Susan Smith.

**Representatives/Visitors/Guests Present:** Meitha Al Thani (United Arab Emirates); Luz Alzate (Colombia); John Allan (Capital Area); John Bartell (New York); Roy Biggs (New Zealand); Dave Blomquist (Minnesota); Chia-Yang Chen (Taiwan); Siobhan Egan (Africa); Elena Enache (Capital Area); Gene Fry (Pennsylvania); T. J. Fu (Chinese in North America); Sally Hasell (New Zealand); Peter Kennedy (Africa); Alvin Lee (Southeast Asia); Gabriela Lordache (Alberta); Maria Luz (Colombia); Charles Muyanja (Africa); Stephanie Olmsted (Washington); Deana Rolheiser (Alberta); Isaac Rukundo (Africa); Xianming Shi (China); Gloria Swick-Brown (Ohio); Helen Taylor (United Kingdom); Keng Ngee Teoh (Southeast Asia); P. C. Vasavada (Indian in NA); Zhinong Yan (China); Hyun-Guyn Yuk (Southeast Asia).

**Recording Secretary of Minutes:** Christina Ritchey Wilson.

**Call to Order:** The meeting was called to order at 7:05 a.m., Saturday, July 25, 2015 by Turonda S. Crumpler, Chairperson.

The agenda was reviewed and unanimously approved.

**Delegate Roll Call:** Conducted at 7:06 a.m. by Susan Smith.

**Review of Minutes 2014:** Minutes as published in *FPT* from the 2014 Affiliate Council Meeting were approved and seconded.

**Report from Affiliate Chairperson:** Turonda Crumpler provided the following updates:

1. There were two new affiliates during the past year:
  - a. Food Safety Consortium (based in Hong Kong).
  - b. Argentine Food Safety Commission.
  - c. Wyoming Affiliate has relinquished its status with IAFP.
  - d. We now have 54 affiliates.
2. More groups are currently in process to become affiliates.
3. Affiliates with milestone anniversaries were recognized:
  - a. Ohio: 35 years
  - b. Colombia: 40 years
  - c. Ontario: 57 years
  - d. Indiana: 65 years
  - e. Pennsylvania: 75 years

**Report from IAFP President:** Don Zink updated the Affiliate Council Meeting attendees with a status of IAFP.

**Report from IAFP Executive Director:** David Tharp welcomed the Delegates to Portland and IAFP 2015. There have been additions to Web site, including postings of *JFP* (back to 1967), and *FPT* (back to the beginning in 1981) articles with Foundation support for online member access. Financially, IAFP is in very good shape.

**Report from IAFP Staff Liaison:** Susan Smith reported the following: IAFP had 42 of 53 (79%) active Affiliates file an Annual Report, down 8% from 2014. All Affiliates need to comply with IAFP Bylaws by submitting an Annual Report. Additionally, all Affiliates are encouraged to submit for awards. Submissions were down this year; you can't win if you don't apply. Submit bound copies for awards. Delegates and Presidents are required to be IAFP Members to meet compliance. Affiliates need to keep their Web sites updated

as Susan relies on them. Affiliates should take advantage of IAFP Executive Board Speaker Program. Turn in summaries to Susan for *Affiliate View*, no matter how brief.

**Roundtable Discussion:** Twenty-two minutes were devoted to roundtable discussions. The suggested topic was how to reactivate a “stagnant” Affiliate. One person from each table briefly relayed their group’s discussion to the entire group as summarized below:

**Roy Biggs:**

- Problem was antipathy
- Possible solutions include: use of social media; free membership for the rest of the year for students; identifying and satisfying training needs

**Stephanie Olmsted:**

- Problems include inactivity of members; shrinking membership; younger generation not interested in volunteering beyond work time.
- Possible solutions include:
  - Asking regional grocery chains, restaurant chains, etc. to get involved
  - Asking members to invite someone
  - Offering discounts to new members, students
  - Invited guests by members could receive a dues discount
  - Tagging along with another organization (like Washington Affiliate does with ILSI)
  - The same people always do everything at the affiliate – if affordable, hire a meeting planner
  - Partner with FDA for regional meetings

**Tori Stivers:**

- Florida successfully holds 2–3 short lunch meetings/year with 2–3 speakers for \$10–\$12 and offer CEU credits.
- Cater meeting topics to membership – train regulators (standardization training)
- Vary board composition like IAFP does (between education, industry, regulatory)
- Offer student scholarships
- Mentor/mentee committee

**Nancy Gushing:**

- Challenges include:
  - Trying to find members
- Possible solutions include:
  - Poster competitions for students
  - T-shirt competition for students
  - Use LinkedIn
  - Cold calls to local/state/area businesses/industry to ask what their needs are
  - Print “Save the Date” cards; ask vendors to help distribute prior

- Recruiting new officers
- Ask vendors to post on their Web sites that they are attending the affiliate meeting
- Get industry to bring in speakers of interest
- Hold (and promote) lunch & learn sessions sponsored/supported by vendors
- Get vendors to come in and offer lunch to a few people (let vendor invite some of them, so they can showcase their product)
- Hold co-meetings with like-minded groups (i.e., ASM)
- Invite food science students to help create a T-shirt contest for students

**Lynn McMullen:**

- All the table’s Affiliates are struggling ... could there be some incentive from IAFP to new members, such as complimentary *JFP* subscription or a discount?
- Could an affiliate hold a subscription to *JFP* to allow affiliate members access as an incentive to joining the affiliate?

**Michael Schoenherr:**

- How can IAFP help more?
- Can IAFP build a template Web site? It is hard to find finances and resources to build and/or manage a Web site.
- Could IAFP partner with state and local government?

**Sioban Egan:**

Challenges include:

- Lack of organization
- Lack of commitment
- Technological/logistical issues
  - Members are located around the world
  - Communication options are limited
  - Differing time zones
- New Affiliates have little to discuss initially
- Affiliates need to find champions for their organization
  - Who can attend IAFP Annual Meetings (can finances be partially covered?)
  - 80% of work is done by 20% of the people – need to recognize the 20% and work to support them
  - Need driving forces/innovation
  - Better early planning and organization
  - Use successful affiliates as models

**Lynne Fruhner:**

Challenges include:

- Competing with corporate conferences while keeping costs down
- Social media more negative on profession

Possible solutions:

- UAE Affiliate all online due to its size (over 1,000 members)
- Use Facebook
- Hold smaller workshops
- Webinars
- Student engagement on Board

**Election of Affiliate Council Secretary:** Turonda Crumpler announced that Neil Bogart, Delegate from Alabama, was willing to stand for election, and asked if there were any nominations from floor. Having no additional nominations, the nomination was moved and seconded to elect Neil, who was voted by acclamation.

**Presentation of the Affiliate Awards:** Turonda highlighted the achievements of the award winners and presented the 2015 Affiliate Awards to the following:

**Affiliate Membership Achievement** – North Dakota Environmental Health Association

**Affiliate Communication Materials** – New York State Association for Food Protection

**Affiliate Member Education** – Taiwan Association for Food Protection

**Best Affiliate Overall Meeting** – Arkansas Association for Food Protection

**New York State Association for Food Protection** received the **C.B. Shogren Memorial Award**, which will be presented at the Awards Banquet on July 28, 2015.

**Old Business:** None.

**New Business:** Turonda acknowledged the following:

- Long-time IAFP Member and Affiliate Officer Clive Kingsbury unexpectedly passed in late 2014.
- Washington collecting funds for a scholarship in memory of Lloyd Luedecke. More information will be included in the *Affiliate View* on how to donate.

**Affiliate Reports:** Delegates/Representatives gave two minute oral summaries of their respective Affiliate activities for the 2014 year. Reports included challenges, successes and summaries of meetings and membership.

**Final Comments:** Turonda gave thanks to all the affiliates for a challenging but rewarding year.

**Recommendations to the Executive Board:**

1. Since funds and/or technical resources are often unavailable for some Affiliates, the Affiliate Council asks that the Board consider providing funding/ resources to develop a Web site “template” for Affiliates to help them develop their own or improve upon their existing Web site, respectively.
2. Could certain Affiliates hold a subscription to *JFP* to allow their respective Affiliate members access as an incentive to joining the Affiliate (since print availability is becoming less and less through libraries, etc.)?
3. To help “reactivate” a stagnant Affiliate, can IAFP offer an incentive to new Affiliate members, such as complimentary *JFP* subscription or a Membership discount?

**Passing of Gavel:** Chairperson Turonda Crumpler passed the gavel to Christina Wilson, signifying the beginning of Christina’s term as Affiliate Council Chair.

**Meeting Adjourned:** 9:49 a.m.

**Chairperson:** Turonda S. Crumpler