

Food Hygiene and Sanitation PDG

Attendees: Ryan Allarding, Jeff Anderson, Craig Ayres, Richard Brouillette, David Baker, Rachel Binet, Dave Blomquist, Patricia Borrusso, Tom Bruursema, Frances Buck, David Buckley, Greg Burnham, Rocelle Clavero, Denise Cobaiashi, Frederick Cook, Shani Craighead, Vanessa Cranford, Ashley Cunningham, Ken Davenport, Leah Davey, Kelly Dawson, Thais De Melo Ramos, Yiran Ding, Nancy Dobmeier, Ruth Eden, Bertrand Emond, Tom England, Gerson Espindola, Elise Forward, Laura Gage, Cristal Garrison, Mike Garrison, Samantha Gartley, Foivos Genigiorgis, Chao Gong, Duane Grassmann, Susan Gregro, Dale Grinstead, Alexandre Hanley, Maureen Hanley, Margaret Hardin, Linda Harris, Joe Heinzelmann, Khurram Irshad, Ravi Jadeja, Bala Jagadeesan, Lee-Ann Jaykus, Alex Josowitz, Bianca Juarez, Matt Koloseike, Jeffrey Kornacki, Luke LaBorde, Yale Lary, Kaitlin Le, Fritz Lembke, David Luedeke, Chip Manuel, Thomas McCaskey, Ashley McCoy, John Merenick, Rob Middendorf, Nathan Mirdamadi, Jeff Mitchell, Naim Montazeri, Katie Moore, Steve Moris, Nadia Narine, Claudia Narvaez, Yemi Ogunrinola, Folarin Oguntoyinbo, Chris Okolo, Belem Ontiberos, Yanying Pan, Aaron Patch, Ruth Petran, Chuck Pettigrew, Suresh Pillai, John Porter, Tracy Posavatz, Phyllis Posy, Gale Prince, Mingyu Qiao, Tian Ren, Glenner Richards, Rona Robertson, Bradley Russell, Daniel Schmitz, Dina Scott, Muhammad Shahbaz, Arlette Shazer, David Shelep, Debra Smith, Christopher Spangenberg, Anna Starobin, Carolyn Steiner, Brian Umberson, Jaime Vaca, Jean Valbrun, Purnendu Vasavada, Zhinong Yan, Hongshun Yang, Alex Zeman, Lei Zhang, Yue Zheng, and Joseph Zindulis. **Number of Attendees:** 105

Meeting Called to Order: 8:00 a.m., Sunday, July 31, 2016.

Minutes Recording Secretary: Nadia Pundit.

Old Business: Zhinong Yan, Ph.D., Director of Food Safety, Asia Pacific for Ecolab, stepped down as Vice Chair due to his new responsibilities in China. Yan will continue to be a significant IAFP contributor and be very active in our PDG.

New Business:

- Yale Lary opened the meeting and presented an overview of the Anti-Trust Guidelines. All attendees introduced themselves.
- President-Elect Linda Harris spoke to the PDG as a representative of the Board:
 - PDGs are very important to the function of the IAFP.
 - Largest exhibit hall, largest number of exhibitors, and 34 new exhibitors.

- Symposia and half-symposia are standardized to 30-minute talks per speaker.

Three Short Presentations

1) Condensation Management Film – Ken Davenport.

- Condensation is not just a cleaning problem, but a food safety problem.
- 3M Condensation Management Film disperses water using micro-replicated tapes.
- Is used around overhead pipes, the tape reduces condensate.
- Replace the tape quarterly to prevent potential of harborage.
- Although 3M makes no claims, studies have shown the tape doesn't support bacteria because it is so dry.

Suggestions/Questions

- Jeff Kornacki – what is the build-up of microbes over time?
- Fred Cook – do you have color indicator for wetness?
- Dale Grinstead – any studies on cleanability of the bigger surface area this product produces?
- Is there a distance from food surface contacts that this can be applied? Deferred to Steve Swanson.

2) Hygienic Design for Cleaning Brushes – Deb Smith

- Most brush designs on the market are very un-cleanable.
- Used fluorescent markers to analyze cleanability of various commercial brushes.
- Cleaning equipment itself a major source and vector of cross-contamination.
- 47% of cleaning equipment/utensils had *Listeria* three times higher than what was expected to be found in drains.
- Brush-decontamination procedure typically dumping in a bucket with sanitized water and not in-between each bristle and specifically in the drill holes is where harborage occurs.
- Vikon designed its own fully-molded, shaped bristle design that is more cleanable.

Suggestions/Questions:

- *Listeria* testing collaborations – demonstrating cleanability from micro standpoint.
- Apply this technology to produce “roller brushes” (ex. Apples).

3) LeeAnn Jaykus with NC State University provided an update on the NoroCore Project:

- The NoroCore Project is a \$25 million grant through USDA NIFA. NCSU is the lead institution with more than 15 partner institutions and many stakeholder groups.
- Focus on foodborne virus on Human Norovirus divided into six areas:
 - Molecular Virology.

- Detection.
- Epidemiology and Risk Analysis.
- Prevention and Control.
- Outreach and Education.
- Building capacity/education.

Items of recent output from this project will be discussed in detail at the IAFP meeting but the following were briefly described:

- An environmental survey of the public restroom showed evidence of norovirus contamination, prevalence.
 - The importance of the food handler in transmission of foodborne norovirus has been confirmed by CDC.
 - A mathematical model to estimate norovirus transmission/contamination has been developed and can be used for risk assessment purposes. Healthcare is the first venue to which it will be applied.
 - The NoroCore team is developing editable guidelines for recommended methods to clean and disinfect after vomiting and fecal contamination events.
 - NYU is developing an "app" for public reporting of gastroenteritis symptoms that will be beta tested in public schools.
 - A few questions were posed relative to norovirus transmission, sanitation and disinfection followed by brief discussion.
- Ken Davenport has agreed to complete the Vice Chair term vacated by Zhinong which ends just prior to the 2017 Annual Meeting. However, Ken will be unable to serve as Chair at IAFP 2017 since he is currently the Chair of the Food Packaging PDG, up to IAFP 2018. Vanessa Cranford has agreed to serve as Chair, beginning at the 2017 Annual Meeting, and Ken will serve as Vice Chair.

Development of Ideas for IAFP 2017

- Our PDG had active back-and-forth discussions of ideas.
- The majority of our members were engaged with the discussions and volunteered to help with the various proposals.
- There was an obvious majority interest in developing refreshed and modern “back to the basics” educational materials for sanitation associates that do not have an advanced knowledge of microbiology or equipment design.

Recommendations to the Executive Board:

1. Request consideration to open the registration booths at 7:30 a.m. on Sunday.
2. Request to consider and discuss endorsing an ongoing advanced sanitation and equipment design workshop.
3. Due to current Vice Chair Zhinong Yan stepping down from his position, we recommend Vanessa Cranford be approved to complete his term up to IAFP 2017. We also recommend approval of Ken Davenport as Vice Chair-Elect and Nadia Narine as Secretary for the same time period. Beginning at IAFP 2017, we recommend the Board approve Vanessa Cranford to serve as Chair, Ken Davenport as Vice Chair and Nadia Narine as Vice Chair-Elect.

Next Meeting Date: July 9, 2017, Tampa, Florida.

Meeting Adjourned: 10:00 a.m.

Chairperson: Yale Lary, Jr.