

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 Suhaim, 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 Samandougou, 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 from 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).