

## Applied Laboratory Methods PDG

**Attendees:** Omar Oyarzabal (Chair), Keith Lampel (Vice Chair), Abdur Amin, Karen Beers, Preetha Biswas, John Bodner, Alex Brandt, Elizabeth Brown, Megan Brown, Sharon Brunelle, Clara Calvo Alamo, William Chaney, Larry Cohen, Gregory Danzeisen, Ninalynn Daquigan, Thais De Melo Ramos, Xiangyu Deng, Nitin Dhowlaghar, James Dickson, Hongjian Ding, Erin Dreyling, Christophe Dufour, Martin Duplessis, Sophia Elie, Analice Espeleta De Castro, Emilio Esteban, Patrick Fach, Jeremy Faircloth, Peyman Fatemi, Brittany Fink, Fereidoun Forghani, Ian Fownes, Lerrin French, Loretta Friedrich, Balasubramanian Ganesan, Ted Gatesy, Amanda Gilchrist, Jonathan Glynn, Gustavo Gonzalez Gonzalez, Nancy Gushing, Julie Haendiges, Jennifer Hait, Mohammed Hakeem, Feifei Han, Lu Han, Upasana Hariram, Alice Hayford, Rabeb Hennekinne, Monica Hilger, Kirsten Hirneisen, Jani Holopainen, Edan Hosking, Lijun Hu, Phyllis Hu, Tim Jackson, Andrew Jacobson, Bala Jagadeesan, Hyein Jang, John Jarosh, Qing Jin, Billie Johnson, Jiin Jung, Shivaramu Keelara Veerappa, Ramin Khaksar, Ahyoon Kim, Jeffrey Kornacki, Charlee Kuba, Anne Lara, Jeong-Eun Lee, Jieon Lee, Judy Lee, Y. Jennifer Lee, J. David Legan, Susan Leonard, Cari Lingle, Xiaonan Lu, Nicole Maks, Humberto Maldonado, Doug Marshall, Kyle Martin, Bismarck Martinez, Frederic Martinez, Greg Matian, Tammy McFate, Kevin McGoldrick, Karen McWilliams, Joseph Meyer, Alex Montgomery, Benjamin Morrow, Mark Muldoon, Nandini Natrajan, Nicolas Nguyen Van Long, James O'Donnell, Efi Papafragkou, Alma Perez-Mendez, Julia Perez-Montano, Sophie Pierre, Karen Pietrzen, Alda Pires, Stephanie Pollard, Florence Postollec, Raj Rajagopal, Mira Rakic Martinez, Sara Ramos, William Robertson, Ofelia Rodriguez-Garcia, Patricia Rule, Joe Schroeter, Gregory Siragusa, Christopher Snabes, CFS, Thierry Sofia, Silvia Solano Flores, Bradley Stawick, Tyler Stephens, Irshad Sulaiman, David Tomas Fornes, Vanessa Tshako, Purnendu Vasavada, Diane Walker, Chun Wang, Lyssa White, Pamela Wilger, Junggha Woo, Tamara Wood, Shuang Wu, Zhihan Xian, Ruben Zapata, and Guodong Zhang.

**Number of Attendees:** 128.

**Meeting Called to Order:** 3:15 p.m., July 8, 2018.

**Minutes Recording Secretary:** Keith Lampel and Stephanie Pollard.

The meeting was called in order by Chair Omar Oyarzabal with the pre-sence of Vice Chair Keith Lampel.

All members were reminded that they can update their PDG affiliations by logging into the IAAP website. Tim Jackson, representing the IAAP Board, gave an update on attendance, exhibitors and the number of proposals submitted and approved in 2018. He reminded the attendees to support student activities in the Association. The Student Liaison member explained some of the activities by the Student PDG and mentioned the student mentor/mentee program.

The Antitrust Guidelines from the Association were presented on two slides.

**Old Business:** Pamela Wilger made the motion to accept the 2017 Applied Laboratory Methods PDG minutes, which was seconded by Patricia Rule. There was no further discussion and the minutes were approved.

Omar recapped the 10 proposals from ALM PDG, as primary or collaborating PDG, which have been accepted for 2019.

Stephanie Pollard, Clear Labs, summarize the work of the Methods Validation and Verification Interest Group. This group has already organized three webinars and there are three other webinars that will be sponsored by this group in 2018–2019.

**New Business:** Joe Schroeter, Vice President of Global Sales at Clear Labs, spoke about new generation sequencing for routine pathogen detection, multi-target analysis and automation platforms targeting species/serovars.

Patricia Rule, Sr. Staff Scientist at bioMérieux, spoke about newer platforms connecting results with data analysis and the upcoming laboratory solutions with data analysis and organization that will be available for the food industry.

Omar will share the document “Best Practices for IAAP Symposia/ Roundtable Proposals” with all PDG members via email.

An email will be sent before the next meeting requesting nominations for Vice Chair, and a vote will be requested via an online survey.

Keith Lampel gave an update from the PDG Chair/Vice Chair meeting and presented information from the Program Committee members that took place on Saturday. Keith also reminded the audience that if individuals need help to organize their proposals, we will need some details about the proposals from them, such as keywords, type of session, proposed title and a tentative list of speakers or panelists.

Several proposal titles were collected throughout the discussion on topics for 2019.

- Pre-harvest method validation guidelines.
- Update on quantitative methods for detection.
- Non-contamination methods for radioactive compounds, in collaboration with the Food Defense PDG.
- Case studies or practical applications of the use of new generation sequencing in the food industry.
- *Bacillus* as a double edge sword in the food industry.
- Case studies using microbiome (omics).
- Categorization of pathogenic versus non-pathogenies strains of bacterial foodborne pathogens.
- Presumptive versus confirmatory approaches.
- Intentional contamination analysis, with the Food Defense PDG.
- Methods for biofilm detection.
- Compare qPCR with plate counts.
- A session on food fraud.
- Surrogates for pathogen studies.
- Sample preparation and impact on viable cells.
- Potential use of transportation time as incubation for earlier detection.
- Validation of ATP systems, in collaboration with the Sanitation PDG.
- Rapid methods for air quality, yeast and mold detection.

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

**Next Meeting Date:** July 21–24, 2019, Louisville, KY.

**Meeting Adjourned:** 4:25 p.m.

**Chairperson:** Omar Oyarzabal.