

## Applied Laboratory Methods PDG

**Names of Attendees:** Keith Lampel (Chair), Joseph Meyer (Vice Chair), Sufian Al Khaldi, Hany Anany, Ted Andrew, Sadiye Aras, Ashley Aurand, Devendra Bhandari, Rachel Binet, Preetha Biswas, Mick Bosilevac, Bob Brackett, Alex Brandt, Megan Brown, Sharon Brunelle, Annemarie Buchholz, Kristin Butler, Catharine Carlin, Pete Carothers, John Mark Carter, Michelle Carter, Caio Carvalho, Anindya Chanda, William Chaney, Jian Chen, Yuhuan Chen, Elaine Chiu, Andrea Cipriani, Larry Cohen, Angel Conde, Michelle Danyluk, Gregory Danzeisen, Jessica Danzeisen, Atin Datta, Kaiping Deng, Benjamin Diep, Erin Dreyling, Blanca Escudero, Emilio Esteban, Patrick Fach, John Fam, Khashayar Farrokhzad, Willis Fedio, Paula Fedorka Cray, Emily Feldpausch, Glen Feller, Heather Garcia, Solomon Gebru, Narjol Gonzalez Escalona, Nancy Gushing, Kevin Habas, Leanne Hahn, Jennifer Hait, Yun-Yun, Diana Hao, Sunee Himathongkham, Jessica Hofstetter, Jani Holopainen, Edan Hosking, Kristen Houck, Laura Howard, Stevie Hretz, Lijun Hu, Kristen Hunt, Paul In't Veld, Bulbul Jain, Laurent Jain, John Jarosh, Lee-Ann Jaykus, Thomas Junillon, Shivaramu Keelara, Michelle Keener, Charles Kennett, Ramin Khaksar, David Kingsley, Brandon Kocurek, Zachary Kuhl, Alvin Lee, Jennifer Lee, David Legan, Johnathan Likens, Ivonne Litwin, Shannara Lynn, Sabrina Mace, Doug Marshall, Ryan Maus, Tammy Mcfate, Jaakko Mcvey, Melinda Miller, Ryan Miller, Molly Mills, Paul Morin, Benjamin Morrow, Mark Muldoon, Miles Murphy, Neda Nasheri, Joseph Nicholl, Joyce Njoroge, Xiangwu Nou, Omar Oyarzabal, Mickey Parish, Kyung Min Park, Stephanie Pollard, Laurie Post, Beatriz Quiñones, Irwin Quintela, Christophe Quiring, Jerry Reeves, Pat Rule, Amreeta Sarjit, John Schmidt, Brandon Selover, Manoj Shah, Arlette Shazer, Sharon Shea, Weilin Shelver, Nilay Sheth, Shreya Singh Hamal, Gregory Siragusa, Daniel Smieszek, Barbara Smith, Thierry Sofia, Daniele Sohier, Marianne Solomotis, Diana Spitznagel, Michael Springer, Christina Stam, Diane Stewart, Stacy Stoltenberg, Cassandra Suther, Nicholas Tan, Carmen Tartera, Daniel Thompson, Leslie Thompson-Strehlow, Mary Lou Tortorello, Danielle Trudelle, Aaron Uesugi, Jason Wan, Chun Wang, Pamela Wilger, Charon Willis, Shuang Wu, Amy (Hsin-Bai) Yin, Mohamed Youssef, Robyn Zaches, Cheng Zhang, Guodong Zhang, Jane Zheng, and Wen Zou.

**Number of Attendees:** 148.

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

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

**Minutes Recording Secretary:** Joseph Meyers.

### Old Business:

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

### New Business:

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

Tamara Ford (IAFP) provided tips on the development of proposals for symposia and roundtables and the importance of encouraging involvement of new speakers and convenors. Tamara also provided a brief overview of IAFP Connect and the benefits it provides for communication within the PDGs.

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

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

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

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

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

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

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

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

**Chairperson:** Keith Lampel.