The Advanced Molecular Analytics PDG

The Advanced Molecular Analytics (AMA) PDG was established in 2014 to provide a forum for the exchange and sharing of information related to the development and use of advanced and emergent technologies. The rapid growth of our young PDG in recent years reflects some of the most exciting developments and transformation in food safety and public health, from whole genome sequencing to metagenomics; from regulatory science to industry applications.

With more than 250 members, we represent a network of researchers, developers, manufacturers and end users of advanced molecular analytics. We engage in discussion on a wide array of topics at the IAFP Annual Meeting and beyond. We sponsor IAFP symposia, roundtable discussions and webinars as well as help professional development of our members. Our yearly meet-up at the IAFP Annual Meeting features a series of enlightening talks on latest advances and lively exchange of symposium ideas. Examples of IAFP 2020 Annual Meeting sessions sponsored by the AMA PDG include:

- Emerging Biological and Computational Methods for Rapid, High-throughput Monitoring of Food and Water Safety: Role of DARPA-funded Research
- Deep Sequencing and Deep Learning: What Can Combining High-throughput Sequencing and Machine Learning Offer the Food Industry?
- Whole Microbial Community and Metagenomics Applications to Characterize Water Used in Food Production
- Microfluidic-based Sensing for Rapid Food and Water Safety
- Food Omics: Is Food Safety Missing out?

Domain experts, general practitioners, and novices are all welcome to join our group. For inquiries, please contact Karen Jarvis (Karen.Jarvis@fda.hhs.gov) and Xiangyu Deng (xdeng@uga.edu).

Karen Jarvis, Chairperson

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