

Food Packaging PDG

Attendees: S. Balamurugan, Omari Bandele, Christine Bruhn, John Bruhn, Teen Teen Chin, Stoyka Chipchakova, Ruplal Choudhary, James Cook, Roger Cook, Jack Cooper, Charles Czuprynski, Ken Davenport, Cynthia Ebner, Anthony Flood, Nicholas Forshee, Alexander Fridman, Xin Gao, Dale Grinstead, Xiao Xu Han, Upasana Hariram, Ryan Harrolle, Kenichi Higashiyama, Yung-Chen Hsu, Tony Jin, Trey Kampeter, Linda Leake, Wan Mei Leong, Maria Lovelace-Johnson, Conor McGauran, Chad Nelson, Chuck Pettigrew, Flor De Maria Ponce Urbina, Christopher Popham, Mingyu Qiao, Tian Ren, Aurora Saulo, Aswathi Soni, Juming Tang, Carl Turcotte, and Kimberly Yeager. **Number of Attendees:** 40.

Meeting Called to Order: 1:00 p.m., Sunday, July 9, 2017.

Minutes Recording Secretary: Nicholas Forshee.

The IAFP Antitrust guidelines were reviewed.

The PDG's Board Liaison, Roger Cook, provided an update to the PDG. The board would like more member participation in PDG's and IAFP activities. He also expressed the need from members to help get more students involved.

Old Business: The minutes of 2016 Annual Meeting can be found online at <https://www.foodprotection.org/upl/downloads/get-involved/committee-minutes/2016.pdf>. Recommended that all members review these notes and reach out to Ken or Nick with any questions, suggestions, or concerns.

Reviewed symposia submitted/accepted by the PDG for this year's conference: Let's Get Active Symposia, Cynthia Ebner, Dale Grinstead, Upasana Hariram

Reviewed symposia occurring at this year's conference that may be of interest to PDG members.

New Business:

The PDG was interested in more information regarding reimbursements or financial assistance IAFP may provide for invited speakers. Nick and Ken to get updated information and provide feedback to the PDG.

Used the Lotus Blossom concept for brainstorming symposia ideas. Output listed below. Any people named below are to further research and develop their topics and be able to provide a report on a PDG call to be scheduled by Nick and Ken for early August.

Symposia Ideas

Nanomaterials: Organizer: Linda Leake.

Topics:

1. Regulations/Guidance – speaker suggestions: Teresa Croce or Mike Adams (both FDA)
 - a. Nano vs non-Nano (definition)
2. Benefits of Nanotechnology
 - a. Antimicrobial Properties – Charles Czuprynski
 - b. Biosensor for pathogens and spoilage
3. Drawbacks
 - a. Toxicity & Evaluation Methods
 - b. Testing & characterization of nano-migration
 - i. Speaker suggestion: Tim Duncan (FDA)
 - c. Public Perception
 - d. Sustainability

Note: Collaborate with Food Chemical Hazards and Food Allergy PDG?

Recycled Packaging: Organizer: none identified.

Topics:

1. Impact of Recycling Rework in Food Safety
2. Chemical Carryover and Toxicology
3. Incompatible Resins
4. Food Law Issues

Intelligent Packaging: Organizer: Cynthia Ebner, Greg Fridman, and Wan Mei Leong

Topics:

1. Tracking
 - a. RFID
 - b. Data Analytics
 - c. Real-Time Information
2. Microbial Sensing
 - a. Shelf-life Determination
 - b. Spoilage Sensing
 - c. Pathogen Detection
3. Authenticity/Quality
 - a. Authenticity Testing/Assurance (food/brand defense)
 - b. Tampering/Food Defense
 - c. Nutritional Information

Sterilization in Packaging: Organizers: Greg Fridman, Alex Fridman, and Tony Jin.

Topics:

1. Plasma Processing (smart packaging, plasma treatment for gas permeability)
2. HPP & Pasteurization in Packaging
3. Antimicrobial Packaging

Common Packaging Failures: Organizers: none identified.

Topics:

1. Failure Modes
 - a. Seal, Leakers, Pin Holes, improper barrier
2. Testing Technology
3. Lid/cap torque pressure
4. How to open a vacuum package

Packaging: Toxicology and Regulations: Organizers: Cian O'Mahony, Kim Yeager, Omari Bandele (FDA), and Carl Turcotte.

Topics:

1. General information
 - a. What is Food Grade – Is It Science Based
 - b. Migration from Packaging and Ink
 - c. Volatiles & Set-off
 - d. Choking Hazards
 - e. Nanomaterial Regulations
 - f. Micro
 - g. International Difference on Regulatory Compliance
 - EU, China, Japan, U.S.
 - h. FSMA and Import Packaging Compliance
2. Endocrine disruptors
 - a. Examples BPA, plasticizers
 - b. Testing technology, toxicology & medical safety concerns
 - c. EPA testing protocols
3. Working with new/small suppliers
4. FSMA compliance, testing requirements

BPA Alternatives: Organizers: Kim & Tony

Labeling and Communications: Organizers:
None identified.

Topics:

1. Lack of labeling
2. Safe handling communications
3. Use of QR codes to link data
4. Enhancing readability of safety-related information
5. Origin/traceability for consumers
6. What does shape and construction communicate to consumers – non-verbal communication to customers
7. Allergen labeling and precautionary labeling globally

Recommendations to the Executive Board:

1. The Food Packaging PDG recommends that the IAFP invest in updating the IAFP App to make symposia searchable by the sponsoring PDG to better enable members to quickly filter the symposia for content. Furthermore, update the hard copy books so that the sponsoring PDG(s) are listed along with the organizer/ convenor/etc.

Next Meeting Date: July 8, 2018, Salt Lake City, UT.
Additional Food Packaging PDG conference calls to be scheduled by Ken Davenport and Nick Forshee.

Meeting Adjourned: 2:10 p.m.

Chairperson: Kenneth Davenport.