



IAFP

Applied Laboratory Methods PDG

Teleconference Minutes – September 9th 2011 1:00-2:30pm

(Central Time)

Mission: To provide a forum for the exchange and sharing of information related to the development and use of Laboratory methods for the analysis of food and related commodities.

“Don’t Be a Benefiter. Be a Contributor!” Pat Rule

MEETING ATTENDEES:

Present: Nate Bauer, Pam Wilger, Leslie K. Thompson, Vanessa Cranford, George Wilson, Jim Black, Jennifer Jolly, Joe Meyer, Nandini Natrajan, Hari Prakash Dwivedi, Keith Lampel, P.C. Vasavada, Patrice Arbault, Zhinong Yan, Preetha Biswas, Jennifer Singh, and Dharmendrasingh Pawar

MINUTES Leslie Thompson, George Wilson

STARTED: 1:00pm CDT

- 1) **SYMPOSIA / ROUND TABLES FOR 2012:** The submission date for proposals is October 17, 2011.
 - a) **Micro Methods for Implementation of Food Safety Modernization Act (FSMA): P C Vasavada, Michael Brodsky and George Wilson.**
 - i) Still developing
 - ii) G. Wilson & PC Vasavada reported that the symposium would consist of 4 speakers and after the break there would be panel discussions to discuss various aspects of FSMA, i.e. third party certification
 - iii) Suggested in Chairperson teleconference to work with Food Law (DeAnn Benesh) and Food Defense (Shaun Kennedy) PDGs. Has synergies with topics they are considering
 - b) **Harmonization of methods to evaluate and validate preventative controls” which will be critical for FSMA-Alvin Lee**
 - i) FSMA requires validation of preventative controls or interventions but give no guidance on how to go about doing the validation
 - ii) From Chairperson teleconference call Fruit and Vegetables interested in collaboration, Virus PDG would support. Dairy PDG should also be considered for collaboration
 - iii) Alvin will do further development of topic after ICMSF meeting in Australia
 - iv) Zhinong with Intralox has experience with sanitizer validations. Leslie to get Zhinong’s contact information to Alvin
 - c) **Food Safety Within China: Vanessa Cranford.** The proposed program would address similarities and differences between practices in the USA and those in China, with a focus on sharing information and opening communications.
 - i) Vanessa has spoken to Peter Slade as suggested at the annual meeting
 - ii) Looking at submitting as either a panel discussion or symposia

- iii) P Wilger suggested getting Kevin Walker with MSU as a speaker and Zhinong said to schedule him early as his schedule fills up quickly
- iv) A. Lee suggested Leon Gore with Unilever as will offer good insights and may be able to offer opinions on gaps between method standards between US and China
- d) Subsequent discussion raised the issue of food safety in other countries, e.g. Bangladesh, and through agencies such as FAO. The outcome of the discussion was that two symposia should be considered: the one on China originally envisioned by Vanessa Cranford; and a second on issues relating to food safety in developing where there may or may not be a trade relationship with the USA and where there might be more focus on providing aid and emergency relief. Ben Tall and Ramkishan Rao offered to take the lead on developing this second theme. Reggie Bennett suggested approaching Isabel Walls for ideas for potential speakers.
 - i) No further information, K. Lampel or P. Wilger were to check with Ben and Ramkishan if they still plan to pursue
- e) **Software Use for Data Management: Phil Coombs.** A symposium proposal for the 2011 meeting had been proposed but not accepted and it had been suggested during subsequent PDG teleconferences and other discussions that a Round Table might be a better format through which to introduce the topic to the membership. Discussion of the topic reflected that this area is an emerging area of interest with a number of potential avenues to be pursued. So much so that Michael Brodsky reminded the group that it would be important to maintain focus and not allow the topic to become too diverse. Based on the speakers that were previously invited and other interested parties, Phil said he was willing to develop a Round Table program.
 - i) PDG recommended that the software companies each have one customer (user) present on the data management system in use at their facility in order to avoid commercialism issues.
- f) **What micro-organisms are emerging, re-emerging, and soon to be emerging? P C Vasavada, Hari-Prakash, Patrice Arbault and George Wilson.**
 - i) Hari stated they have 12 topics currently selected and will be paring down to 6 speakers
 - ii) They will be able to pull from international perspective
 - iii) Potential topics include toxins, parasites, and avian flu
 - iv) Still work in progress and the organizers with the help of K. Lampel will meet to finalize the topics and identify speakers.
- g) **Proactive Food Safety: Jeff Kornacki *et al.*** Jeff had developed a symposium proposal in conjunction with colleagues from the Hygiene PDG focussing on taking a proactive approach to food safety. He gave a detailed outline of the proposal which met with interest from the group and with a suggestion from Patrice Arbault that the issue of education of operational staff should be included and suggesting Todd Brashears (Texas Tech Univ.) as a speaker.
 - i) No update
- h) **Use of Novel Data Sources: Chuck Young.**
 - i) Chuck wanted to explore ways in which data analysis of internet searches might help highlight or locate outbreaks of foodborne disease. Use of social media might also be helpful.
 - ii) Vanessa Cranford offered to help develop a proposed program.
 - iii) Student PDG very interested in collaborating on this topic
 - iv) No update
- j) **New media and methods for E.coli O104:H4: Patrice Arbault.**
 - i) P Arbault advised the PDG that this would be proposed as a one or two day workshop

- ii) If one day, will have an Introduction to STECS, a regulatory perspective, discussion of the current regulatory methods (USDA, FDA, ISO), and discussion/demonstration of commercially available alternative methods
- iii) If pre-harvest is included then will probably need to make a 2 day workshop
- iv) PDG suggested speaking ielt IAFP to determine if there is lab space potentially available close to the meeting site

k) **Toxoplasma: Nathan Bauer.**

- i) With working with the viral and parasite PDG, 4 of 6 speakers have been chosen and confirmed

Speaker	Institution	Topic
Dolores Hill	USDA ARS	Life Cycle; Prevalence in U.S. livestock/products; methods detection for <i>Toxoplasma</i> in livestock/products
Marieke Opsteegh	Netherlands (see affiliation below)	Prevalence in European livestock/products, Magnetic Capture PCR for detecting <i>Toxoplasma</i> in meat
Jeffrey Jones	CDC	Toxoplasmosis including: congenital transmission (pregnant women), reactivation (of latent infection) in immunocompromised people and ocular disease (retinochoroiditis)
Robert Yolken	Johns Hopkins	Twenty minutes on latent infections linked to human psychoses including schizophrenia; and, ten minutes summarizing the laundry list of syndromes (“things”) associated with latent infections: delayed reaction time, automobile accidents, sense of fear, etc.
Industry Rep?	Pork Board?	Industry efforts to reduce <i>Toxoplasma</i> in swine/sheep/goat etc.?
Other	?	Possibly ARS method that can determine exposure of people to sporozoite-specific antigen for attribution

- ii) Looking at a requesting a speaker from National Pork Board to discuss industry preventative measures
- iii) 6th speaker will either be a panel discussion or an international speaker discussing toxoplasma infections
- iv) Presenting information to Meat and Poultry PDG to gain their perspective and suggestions

l) **Whole Genome Sequencing-where has it gotten us?-Amy Smith with assistance from Guodong Zhang**

- i) Have a variety of speakers who talk about how they have used whole genome sequencing to help them understand things like virulence, epi, designation of appropriate targets for diagnostics and characterization, etc. It seems to be the trend these days so I thought if we could gather some global speakers to discuss how they use the data they receive from whole genome sequencing, it would be a nice overview for those of us who contemplate using sequencing, but are overwhelmed by the information obtained.
- ii) Possible topics may include (1) Whole genomics sequencing; history and future trends; (2) Tools and methodologies for Whole genomics sequencing (3) Tools and methodologies for genomic data analysis; (4) applications of whole genome sequencing and megagenomics in food safety (5) major bacteria; (6) viruses.
- iii) Patrice suggested in earlier email:
 - (1) FDA folks, such as Marc Allard or Eric Brown. Both have done a huge amount of work with Salmonella whole genome sequencing, and Eric is a very good speaker;

- (2) Anses (France) guy, Patrick Fach who has started several programs using different technologies;
- (3) We may also think about CDC or some Canadian folks from Health Canada.
- (4) I would advise to keep this symposium as a short symposium with 4 speakers as it sounds “high technology” and IAFP audience is more interested in food safety issues rather than “High Tech”.
- iv) N. Bauer suggested Eric Brown as speaker
- m) **From Risk Assessment to Risk Management and Risk Communication: A Global Holistic Approach to Address Food Safety**-Keith Lampel, Pam Wilger, Andy Benson
 - i) K. Lampel indicated title would change with presentations covering the food chain from farm to fork. With presentation on science based risk analysis, risk assessment, and speakers from agri-food industry, regulatory side, and food processing side.
 - ii) Looking at collaboration with multiple PDGs
- n) **Aligning Public, Private, and Government Partnerships Resources as Drivers for Global Food Safety**-Keith Lampel, Pam Wilger, Andy Benson
 - i) K Lampel identifying presenters being identified to speak from FDA perspective, Patrick Wall from a European perspective, someone to speak from APEC, and the World Bank.
 - ii) Looking at collaboration with multiple PDGs
- o) **Global Lab Capacity Building for Ensuring Food Safety**-Keith Lampel, Pam Wilger, Andy Benson
 - i) K. Lampel & P. Wilger discussed having Patrick Mahooney (spelling) to present on Global Lab Capacity Building from the work he conducted in Bangladesh. Mike Robach from Cargil to speak on Training & Challenges
 - ii) Looking at collaboration with multiple PDGs
- p) **Other Suggestions-None**

The next meeting will be October 7, 1:00-2:30pm CDT. We will be working to do final editing of symposia, roundtable, or workshop submission to have them ready for submission by October 17.

Adjourned 2:15pm