



2009 ISAPP Meeting Report November 3-5, 2009 Irvine/Newport Beach, California

The 7th annual meeting of ISAPP was convened in Irvine/Newport Beach, California November 3-5, 2009. Held in conjunction with the National Academy of Sciences Sackler Symposium, the ISAPP meeting was attended by a record 110 participants from 19 countries. The Sackler Symposium, titled “Microbes and Health” – chaired by Drs. Todd Klaenhammer and Jeff Gordon – featured 2 days of excellent lectures by the top scientists in the field. Lectures included Nancy Moran, University of Arizona, who spoke on “Evolution of biological complexity and symbiosis,” Joel Dore, INRA, who spoke on “Metagenomic studies of the human gut,” David Relman, Stanford University, who spoke on “Antibiotics: a tool to probe ecosystem robustness and diversity,” and Forest Rohwer, San Diego State University, who reminded us that viruses play an important role in the microbial diversity in the human intestinal tract, with his talk on “Viral diversity in human and non-human habitats.” ISAPP board members Gregor Reid (Past President) and Karen Scott (Treasurer) also presented talks at the Sackler.

These, and others, provided mind-broadening food for thought that set the stage for the following 2 days of discussion convened by ISAPP on probiotics and prebiotics. One key activity of the ISAPP meeting was the session comprised of 6 discussion groups:

1. Group 1. Parameters for designing, publishing and communicating human studies on probiotics (Chairs: Michael Cabana and Stéphane Vidry)
2. Group 2. The role of gut microbiota, probiotics and prebiotics in obesity and under-nutrition (Chairs: Glenn Gibson and Ruth Ley)
3. Group 3. Changing human microbiota with prebiotics and probiotics (Chairs Karen Scott and Joel Doré)
4. Group 4. How can probiotics and prebiotics impact mucosal immunity (Chairs Jim Versalovic and Bruno Pot)
5. Group 5. How can probiotics and prebiotics impact human pathogens (Chairs: Todd Klaenhammer and Colin Hill)
6. Group 6. Identifying responders and non-responders for clinical trials with probiotics and prebiotics (Chairs Gregor Reid and Francisco Guarner)

Reports from several of these groups have been published:

- O’Flaherty S, Saulnier D, Pot B, Versalovic J. 2010. How can probiotics and prebiotics impact mucosal immunity? *Gut Microbes*. 1(5): 293-300. Open access: <http://www.landesbioscience.com/journals/gutmicrobes/article/OFlahertyGUT1-5.pdf>
- Shane AL, Cabana M, Vidry S, Merenstein D, Hummelen R, Ellis CL, Heimbach JT, Hempel S, Lynch S, Sanders ME, Tancredi DJ. 2010. Guide to designing, conducting, publishing, and communicating results of clinical studies involving probiotic applications in human participants. *Gut Microbes* 1(4):243-253. Open access at <http://www.landesbioscience.com/journals/gutmicrobes/article/06-ShaneGUT1-4.pdf>
- Reid G, Gaudier E, Guarner F, Huffnagle GB, Macklaim J, Munoz AM, Martini M, Ringel-Kulka T, Sartor B, Unal R, Verbeke K, Walter J. 2010. Responders and non-responders to probiotic interventions: how can we improve the odds? *Gut Microbes* 1(3):1-5. Open access: <http://www.landesbioscience.com/journals/30/article/12013/>

In addition to the discussion groups, fruitful meetings were held among the board of directors, the industry advisory committee members and the newly formed student/fellow association of

ISAPP. One important topic of discussion was the difficult climate regarding regulatory approaches to claim substantiation. The situation is especially critical in Europe, where numerous probiotic claims were recently not allowed. Health claims substantiation was a specific focus of the IAC/BOD meeting held on the last day of the meeting. The Late Breaking News session featured short talks (maximum of 3 slides each) on developing research stories or issues for the field, in an informal “pub” environment. As is typical of ISAPP meetings, opportunities abounded for networking among the assembled academic and industry scientists.

The meeting program, and some photo highlights follow:



ISAPP Vice President, Todd Klaenhammer, and Past President and proud Scotsman, Gregor Reid, share a collegial moment at the ISAPP Opening Reception, Newport Beach Marriot, Nov. 3, 2009.



Newly formed Student/Fellow Association members, Alicia Murcia, Ruben Hummelen, Chays Manichanh, Jean Macklaim. (L to R)



Inaugural Student/Fellow Association members: Back row (L-R): Collin Ellis; Sarah O'Flaherty; Jean Macklaim; Ruben Hummelen; Front row (L-R): Delphine Saulnier; Tyler Cullender; Maria Alejandra Diaz; Alicia Murcia Muñoz

2009 ISAPP Annual Meeting Program

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| Sunday, November 1-Tuesday November 3: NAS Sackler Symposium | Beckman Center |
| Sunday, November 1 | |
| 3:00 – 5:00 PM BOD meeting | Del Mar room, Marriott |
| Sunday, November 1 – Tuesday, November 3 | |
| Sackler Symposium “Microbes and Health” | Beckman Center |
| Tuesday, November 3 | |
| 6:00-7:30 PM Meeting Registration | Atrium, Marriott |
| 7 PM – 9:00 PM ISAPP Welcome Reception (Appetizers provided) | Atrium, Marriott |
| 7:30 PM Welcome by Gregor Reid (outgoing president) and Glenn Gibson (incoming president) | |
| Wednesday, November 4 | |
| 7:15 AM Bus to Beckman Center from Marriott Hotel | Depart from front of Marriott |
| 7:45 AM Bus to Beckman Center from Marriott Hotel | |
| 7:30 – 8:30 AM Breakfast | Beckman Center, Dining Room |
| 7:30 – 8:30 AM Meeting Registration | Beckman Center Lobby |
| 8:30 AM – 3:00 PM Discussion groups | Beckman Center |
| Group 1. Parameters for designing, publishing and communicating human studies on probiotics (Chairs: Michael Cabana and Stéphane Vidry) | Newport Room (18) |
| Group 2. The role of gut microbiota, probiotics and prebiotics in obesity and under-nutrition (Chairs: Glenn Gibson and Ruth Ley) | Balboa Room (22) |
| Group 3. Changing human microbiota with prebiotics and probiotics (Chairs Karen Scott and Joel Doré) | Executive Dining Room (19) |
| Group 4. How can probiotics and prebiotics impact mucosal immunity (Chairs Jim Versalovic and Bruno Pot) | Boardroom (22) |
| Group 5. How can probiotics and prebiotics impact human pathogens (Chairs: Todd Klaenhammer and Colin Hill) | Emerald Bay Room (14) |
| Group 6. Identifying responders and non-responders for clinical trials with probiotics and prebiotics (Chairs Gregor Reid and Francisco Guarner) | Laguna Room (14) |
| Noon Lunch | Beckman Center, Dining Room |
| 3:00 – 4:00 PM Late Breaking News (Gregor Reid, Chair) | Beckman Center, Dining Room |
| 4:15 PM Buses to Huntington Beach, walk on pier, unhosted refreshments at Ruby’s Diner | Depart from Beckman Center |
| 6:00 PM Cocktails | Spark Woodfire Grill, Huntington Beach |
| 7:00 PM Dinner | |
| 9:00 PM Buses back to Marriott | Depart from Spark Woodfire Grill |
| Thursday, November 5 | |
| 7:15 AM Bus to Beckman Center from Marriott Hotel | Depart from front of Marriott |
| 7:45 AM Bus to Beckman Center from Marriott Hotel | |
| 7:30 – 8:30 AM Breakfast | Beckman Center, Dining Room |
| 8:30 – noon Wrap up: summaries from 6 discussion groups (Mary Ellen Sanders, Chair) | Beckman Center, Auditorium |
| Coffee/tea available all day | Beckman Center, Atrium |
| Noon – 1:00 PM Lunch | Beckman Center, Dining Room |
| 1:00 PM Bus from Beckman Center to Marriott | Depart from Beckman Center |
| 1:00 – 2:00 PM IAC-only meeting | Beckman Center, Auditorium |
| Noon – 2:00 PM BOD meeting during lunch (Glenn Gibson, Chair) | Beckman Center, Boardroom |
| 2:00 – 4:30 PM BOD/IAC meeting. Topic: health claims substantiation (Glenn Gibson, Chair) | Beckman Center, Auditorium |
| 4:45 PM Bus from Beckman Center to Marriott | Depart from Beckman Center |
| 6:30 PM Cocktails/appetizers BOD/IAC meeting participants | Sam & Harry’s Restaurant, Marriott |
| 7:30 PM Dinner BOD/IAC meeting participants | |