



The American Association of Professional Apiculturists' 2016 American Bee Research Conference

8 and 9 January 2016
Sawgrass Marriott Golf Resort & Spa, Ponte Vedra Beach (Jacksonville), FL
General Meeting Agenda

Time	Friday, 8 January 2016	Location
7:15 am – 8:00 am	Registration, talks uploaded (bring flash drive w/talk)	Tournament A
8:00 am – 8:10 am	Welcome remarks	Tournament A
8:10 am – 9:00 am	Keynote presentation: Dr. Geraldine Wright. Professor of Insect Neuroethology, Institute of Neuroscience, Newcastle University, NY. <i>“Impact of neonicotinoid pesticides on the behaviour, learning, and memory of bees”</i>	
9:00 am – 10:00 am	Student paper competition, Session I	Tournament A
10:00 am – 10:15 am	Morning break, refreshments	
10:15 am – 12:30 pm	Student paper competition, Session II	Tournament A
12:30 pm – 1:45 pm	Lunch break (on your own)	
1:45 pm – 3:00 pm	Scientific presentations, Session I	Tournament A
3:00 pm – 3:15 pm	Afternoon break I, refreshments	
3:15 pm – 4:00 pm	Scientific presentations, Session II	Tournament A
4:00 pm – 4:15 pm	Adjourn afternoon session, break on your own	
4:15 pm – 6:00 pm	Project NC1173 meeting (see agenda below)	Tournament A
6:00 pm – 7:30 pm	Poster session and Social sponsored by Veto-pharma® (see full schedule for presenters/titles)	The Pavilion
8:00 pm – 9:30 pm	Optional group dinner (<i>not</i> included in registration)	TBD

Time	Saturday, 9 January 2016	Location
8:45 am – 9:00 am	Announcements and awards ceremony	Tournament A
9:00 am – 10:15 am	Scientific presentations, Session III	
10:15 am – 10:30 am	Morning break, refreshments	
10:30 am – 11:30 am	Scientific presentations, Session IV	Tournament A
11:30 am – 1:00 pm	Lunch break (on your own)	
1:00 pm – 2:15 pm	Scientific presentations, Session V	Tournament A
2:15 pm – 2:30 pm	Afternoon break, refreshments	
2:30 pm – 4:30 pm	AAPA-AIA-CAPA business meeting (agenda below)	Tournament A
4:30 pm	Conference adjourned. Safe travels everyone!	

**Agenda* for the Multi-State Project NC1173, “Sustainable Solutions to Problems Affecting Bee Health” Business Meeting. Marc Linit, Project Director
Friday, 8 January 2016, 4:15pm – 6:00pm, Tournament A**

1. Call to order
2. Roll call
3. Chair’s report on current membership (Juliana Rangel)
4. Project Director’s report (Marc)
5. Presentation by Mary Purcell on whiteboard priorities/report
6. Discussion on interest by members of the AAPA and the NC1173 Multi-Regional Project on hosting joint “business meeting” at ICE-ESA meeting in Orlando, September 2016 to work on USDA’s Pollinator Research Action Plan progress report.
7. Open discussion on progress report, challenges and plans for 2016 for all member institutions and their representatives
8. Location of 2017 NC1173 meeting, Galveston, TX (AHPA-ABF joint meeting)
9. Other business
10. Concluding remarks
11. Adjourn

*Subject to change

**Agenda* for the 2016 AAPA Business Meeting
Saturday 9 January 2016, 2:15pm – 4:00pm, Tournament A**

1. Call to order
2. Attendance roll call
3. President's report (Jennifer Tsuruda)
4. Vice President's report (Elina Niño)
5. Treasurer's report (Lanie Bourgeois)
6. Webmaster's report (Zach Huang)
7. Discussion on AAPA alternating its meetings (and ABRC) with ABF and AHPA only (not with AIA if they meet independently), and motion to vote on that topic.
8. Presentation by Mary Purcell, Program Director, USDA's National Program Leader for Division of Plant Systems-Protection.
9. Discussion on interest by members of the AAPA and the NC1173 Multi-Regional Project on hosting joint "business meeting" at ICE-ESA meeting in Orlando, September 2016 to work on USDA's Pollinator Research Action Plan progress report.
10. Nominations for VP and voting of new VP
11. AIA and CAPA representatives report
12. Discussion between AIA and AAPA members on goals for 2016
13. Location of 2017 ABRC meeting, Galveston, TX (AHPA-ABF joint meeting)
14. Other business
15. Induction of new President (E. Niño) and concluding remarks by current President (J. Tsuruda)
16. Adjourn

*Subject to change

2016 ABRC Registration and ABF Conference and Tradeshow Details

The ABRC on 8 and 9 January 2016 will be held within the 2016 American Beekeeping Federation (ABF) Conference & Tradeshow, which will be held in Ponte Vedra Beach (Jacksonville) Florida at the Sawgrass Marriott Golf Resort & Spa, January 5-9, 2016.

AAPA Membership Information and Renewal

You need to be an AAPA member in good standing in order to present at the ABRC. Please see below or go to the membership page (<http://aapa.cyberbee.net/membership/>) to join/renew (\$15/yr).

ABRC Registration Payment Information

AAPA-ABRC participants that pay the 2016 ABRC registration who would like to attend the AIA meeting and ABF Conference can do so at no additional cost. This year you can pre-register for the meeting online and save \$25! Pre-registration will be \$100 per person and covers meeting costs. Registration at the site will be \$125. Fill out the online registration information form (and pay) at <http://aapa.cyberbee.net/events/>

Hotel Information

Sawgrass Marriott Golf Resort & Spa

1000 PGA Tour Blvd

Ponte Vedra Beach (Jacksonville) Florida 32082

Telephone: 1.904.285.7777

Reservations: [Book online today](#), or call 1.800.457.4653

The Sawgrass Marriott Golf Resort & Spa offers 65 acres of lush landscaping, a beautiful lagoon and sunshine galore. The resort combines contemporary accommodations and an amazing selection of dining options with a spa, meeting space and 99 holes of championship golf.

Additionally, the hotel offers an array of amenities including:

- 511 airy hotel rooms, including 21 spacious suites for your pleasure
- 100% smoke-free
- Fitness center, Four pools, Sawgrass Spa, Golf
- Complimentary self-parking
- Complimentary WIFI in lobby and public areas and in-room internet access
- In-room coffee maker/tea service, In-room safes

Dining Options

- Vernon's American Cuisine: Open for breakfast and dinner
- Alice & Pete's Pub: American cuisine, open for lunch and dinner
- 100th Hole Pool Bar: American cuisine, open for lunch
- Starbucks Coffee House: Open for breakfast and lunch
- 619 Ocean View: Located at the resort's Cabana Beach Club, with seafood, open for dinner
- Sea Porch Bar & Grill: Located at the resort's Cabana Beach Club, open for lunch or dinner
- Sharkey's: American cuisine at the resort's Cabana Beach Club, open for lunch and dinner
- In-Room Dining: Available for breakfast, lunch and dinner

Reservations for the Sawgrass Marriott

Make your room reservation now! The special rate for the conference is \$125.00. A limited number of rooms are reserved at this rate. To secure a room please contact the Sawgrass Marriott Resort by booking online <https://resweb.passkey.com/go/abfconference> or by calling 1.800.457.4653.

Reservations must be made by Friday, December 11, 2015 or before the group rooms are sold out, so do not delay. Prevailing rates may apply after this date or when the group rooms are sold out, whichever occurs first. Rooms are subject to availability. All reservations must be guaranteed with a credit card for the first night's guestroom rate and tax charge.

Guest Room Reservations Warning

Please note that no one will contact you to secure your hotel reservation. All reservations are made by contacting the hotel via the online reservation link, or phone. If you receive contact from a housing company urging you to reserve your room, do not book through them.

Group Rate for the Sawgrass Marriott

The ABF has negotiated a discounted group rate for all conference attendees of \$125.00 per night single/double occupancy plus tax (currently at 16%). This rate will be available until Friday, December 11, 2015 or until the group block is sold out, whichever comes first. Don't delay – make your reservations today!

Cancellation Policy for the Sawgrass Marriott

Individual reservations may be canceled 48-hours in advance by contacting the hotel directly and receiving a cancellation confirmation number. Any deposits will be refunded.

Check-In/Check-Out Time for the Sawgrass Marriott

Check-in time is 4:00 p.m. Check-out time is 11:00 a.m.

Attire

Recommended attire for the conference is casual.

Climate

Typical weather in Ponte Vedra, Florida, this time of year ranges from a high of 64°F to a low of 43°F, the history average is 54°F.

ABRC Presentation/Activity Schedule, Friday, 8 January 2016

* Student paper competitor

Tournament A

Time	Author(s)	Affiliation(s)	Title
7:15 – 8:00am	Conference Registration		
8:00 – 8:10am	Welcome Remarks , Dr. Jennifer Tsuruda, President of AAPA. Dr. Elina Niño, Vice-President of AAPA and ABRC Program Organizer		
8:10am–9:00am	Dr. Geraldine Wright	Institute of Neuroscience, Newcastle University, NY	“Impact of neonicotinoid pesticides on the behaviour, learning, and memory of bees”
9:00am-9:15am	Samuel Ramsey* , Dennis vanEngelsdorp	Department of Entomology, University of Maryland, College Park, MD	“Determination of feeding preference of a honey bee parasitic mite (<i>Varroa destructor</i>)”
9:15am–9:30am	Meghan McConnell* , Dennis vanEngelsdorp	Department of Entomology, University of Maryland, College Park, MD	“Non-chemical control of varroa mites in honey bee colonies”
9:30am–9:45am	Elizabeth M Walsh* , Juliana Rangel	Department of Entomology, Texas A&M University, College Station, TX	“The synergistic effects of in-hive miticides on honey bee queen retinue response”
9:45am–10:00am	Gabriel Villar* ^{1,3} , Peter EA Teal ² , Christina M Grozinger ^{1,3}	^{1,3} Department of Entomology, ³ The Center for Pollinator Research, The Pennsylvania State University; ² USDA-ARS, Gainesville, FL	“Primer effects of a queen pheromone on drone physiology and behavior”
10:00am–10:15am	Morning break, refreshments		
10:15am–10:30am	Laura M. Brutscher* ^{1,2,3} , Katie F. Daughenbaugh ¹ , and Michelle L. Flenniken ^{1,2}	¹ Department of Plant Sciences and Plant Pathology, ² Institute on Ecosystems, ³ Department of Microbiology and Immunology, Montana State University, Bozeman, MT	“Honey bee transcriptional responses to virus infection”
10:30–10:45am	Andrew Garavito* , Dennis vanEngelsdorp	Department of Entomology, University of Maryland, College Park, College Park, MD	“Elucidating the effects of pollen variety on the susceptibility of honey bees to <i>Nosema</i> infection”

Time	Author(s)	Affiliation(s)	Title
10:45am-11:00am	Douglas B. Sponsler* ¹ , Michael E. Wransky ² , and Reed M. Johnson ¹	¹ Department of Entomology, The Ohio State University, Wooster, OH; ² Udacity, Inc.	“Mechanistic modeling of pesticide exposure: the missing keystone of honey bee toxicology”
11:00am-11:15am	Kaira Wagoner* , Olav Rueppell	University of North Carolina at Greensboro, Greensboro, NC	“Hygienic behavior of the honey bee (<i>Apis mellifera</i>) is influenced by breed-specific, damage-dependent brood signals.”
11:15am-11:30am	Rodney Richardson* ¹ , John Christman ² and Reed Johnson ¹	¹ Department of Entomology, The Ohio State University, Wooster, OH, ² Section of Pulmonary, Allergy, Critical Care and Sleep Medicine, The Ohio State University Wexner Medical Center, Columbus, OH	“Fumagillin exposure suppresses reactive oxygen species production in honey bee hemocytes”
11:30am-11:45am	James M. Withrow* , David R. Tarpy	Department of Entomology, North Carolina State University, Raleigh, NC	‘Insect democracy: Do honey bees (<i>Apis mellifera</i>) select the best queens?’
11:45am-12:00pm	Adrian Fisher II* , Juliana Rangel-Posada, W. Clint Hoffmann	Department of Entomology, Texas A&M University, College Station, TX	“The effects of crop protection fungicides on honey bee (<i>Apis mellifera</i>) forager mortality”
12:00pm-12:30pm	Nathalie Steinhauer* ¹ , Claude Saegerman ² , Karen Rennich ¹ , Michael Wilson ³ and Dennis vanEngelsdorp ¹	¹ University of Maryland, College Park, MD, ² University of Liège, Liege, Belgium, ³ The University of Tennessee, Knoxville, TN	“Expert-based best management practices for US beekeepers”
12:15pm-12:30pm	Carlos J. Vega Melendez*	Biology Department, The University of North Carolina at Greensboro, Greensboro, NC	“The effects of early developmental stress on <i>Apis mellifera</i> ”
12:30pm–1:45pm	Lunch break (on your own)		
1:45pm–2:00pm	Louisa Hooven	Department of Horticulture, Oregon State University, Corvallis, OR	“Nanotechnology based pesticides and honey bees”

Time	Author(s)	Affiliation(s)	Title
2:00pm-2:15pm	Dick Rogers, Daniel Schmehl , Kim Huntzinger, and Jim Dempster	Bayer Bee Care Center, Research Triangle Park, NC	“The search for effective varroacides: Paths forward”
2:15pm–2:30pm	Timothy Lawrence , Culbert, Elizabeth, Allan, Vince Hebert and Walter Sheppard.	Washington State University Extension Island County P.O. Box 5000 Coupeville, WA	“Survey and risk assessment of <i>Apis mellifera</i> exposure to neonicotinoid pesticides in urban, rural, and agricultural settings”
2:30pm–2:45pm	Juliana Rangel ¹ , Zachary Huang ² , Pierre Lau ¹ , Joseph Sullivan ³ , Ana Cabrera ⁴ , James D. Ellis ⁵	¹ Department of Entomology, Texas A&M University, Texas A&M University, College Station, TX; ² Department of Entomology, Michigan State University, East Lansing, MI; ³ Ardea Consulting, Woodland, CA; ⁴ Bayer CropScience LP / Pollinator Safety, Research Triangle Park, NC; ⁵ Department of Entomology and Nematology, University of Florida, Gainesville, FL	“Pesticides found in pollen and nectar collected by honey bees in urban environments”
2:45pm–3:00pm	Ian Cavigli ¹ , Katie F. Daughenbaugh ¹ , Madison Martin ¹ , Michael Lerch ⁴ , Katie Banner ⁴ , Emma Garcia ¹ , Laura M. Brutscher ^{1,2,3} , and Michelle L. Flenniken ^{1,2}	¹ Department of Plant Sciences and Plant Pathology, ² Institute on Ecosystems, ³ Department of Microbiology and Immunology, ⁴ Department of Mathematical Sciences, Montana State University, Bozeman, MT	“Honey bee pathogens and colony health”
3:00pm-3:15pm	Afternoon break, refreshments		
3:15pm–3:30pm	Steve Pernal ¹ , S.E. Hoover ² , M.M. Guarna ²	¹ Agriculture & Agri-Food Canada, Beaverlodge Research Farm, Beaverlodge, AB, Canada. ² Alberta Agriculture and Forestry, Lethbridge Agriculture Centre, Lethbridge, AB, Canada.	“Effects of Fumagillin treatment and supplemental feeding on colony productivity and survival”

Time	Author(s)	Affiliation(s)	Title
3:30pm–3:45pm	Krispn Given , Greg Hunt	¹ Department of Entomology, Purdue University, West Lafayette IN	“Results of beekeeper community evaluation of honey bee stocks selected for increased mite-biting behavior”
3:45pm–4:00pm	Hongmei Li-Byarlay ^{1, 2, 3} , Michael Simone-Finstrom ¹ , Ming H. Huang ¹ , Micheline K. Strand ² , Olav Rueppell ³ , David R. Tarpy ¹	¹ Department of Entomology, North Carolina State University, Raleigh, NC ² Life Sciences Division, U.S. Army Research Office, Research Triangle Park, NC ³ Department of Biology, University of North Carolina at Greensboro, Greensboro, NC	“Oxidative stress and survival of honey bees during the migratory management”
4:00pm–4:15pm	Adjourn afternoon session, break on your own		
4:15pm–6:00pm	Multi-State Project NC1173 Meeting. All NC1173 members and any others welcome (see separate agenda)		
6:00pm–7:30pm	Poster session (see page 6 for a list of authors and titles) and Social sponsored by Veto-pharma®. To be held at the Pavilion.		
8:00pm–9:30pm	Optional group dinner/networking session		

Poster Session Presentation Schedule, Friday, 8 January 2016

6:00pm–7:30pm, The Pavilion

Author(s)	Affiliation(s)	Title
Martin A. Matisoff, Thomas C. Webster and Cecil Butler	College of Agriculture, Food Science and Sustainable Technology, Kentucky State University, Frankfort KY	“Nosema polar tube morphology suggests infective mechanisms within honey bee midguts (<i>Apis mellifera</i>)”
Cecil Butler, Martin A. Matisoff, Thomas C. Webster	College of Agriculture, Food Science and Sustainable Technology, Kentucky State University, Frankfort KY	“New histological methods improve diagnostic techniques for identifying Nosema in the honey bee midguts”
Thomas C. Webster	Department of Entomology, Virginia Tech, Blacksburg, VA	“On-line Apiculture: Methods for distance teaching bee and pollination biology”
Shudong Luo ^{1, 2} , Meng Yue ² , Xianbing Xie ¹ , Zachary Huang ¹	¹ Department of Entomology, Michigan State University East Lansing, MI, ² Institute of Apicultural Research, Chinese Academy of Agricultural Sciences, Beijing, China	“Sensitivity to insecticides depend on honey bee behavioral status”

Author(s)	Affiliation(s)	Title
Xianbing Xie ^{1,2} , Zachary Huang ²	1Department of Laboratory Animal Science, Nanchang University, Jiangxi, China, 2Department of Entomology, Michigan State University, East Lansing, MI	"Relocation reduces honey bee colony weight gain"
Qing Wang ^{1,2} , Zachary Huang ²	1College of Bee Science, Fujian Agriculture and Forestry University, Fujian, China, 2Department of Entomology, Michigan State University, East Lansing, MI 48824, USA	"Toxicity of insecticides to honey bees is temperature dependent"
Joseph Palmer ^{1,2} , Thomas Webster ¹ , Cecil Butler ¹ , Martin Matisoff ¹	1College of Agriculture, Food Science and Sustainable Systems, Kentucky State University, Frankfort, KY, 2Department of Biology, University of North Carolina at Greensboro, Greensboro, NC	"Effects of a honey diet on <i>Nosema ceranae</i> infection within worker honey bees."
Maurice F. Scaloppi ¹ , Reed Johnson ¹ , Thomas Janini ² , Darlene Florence ³	1Department of Entomology, The Ohio State University, Wooster, OH, 2College of Food, Agricultural, and Environmental Sciences, Agricultural Technical Institute, Wooster, OH, 3Emery Oleochemical, Cincinnati, OH	"Evaluating different fatty acid esters as miticides to control varroa mites (<i>Varroa destructor</i>) in honey bees (<i>Apis mellifera</i>)"
Wendy Zuluaga, Samantha Mcpherson, Anissa Kennedy, Olav Rueppell	University of North Carolina at Greensboro, Greensboro, NC	"A survey of Israeli Acute Paralysis Virus in all levels of development of <i>Apis mellifera</i> and the impact of the virus on queens"
Bernardo D. Niño, Patricia Bohls, Elina L. Niño	University of California at Davis, Davis, CA	"Field efficacy trials for biopesticides for varroa mite management"

ABRC Presentation/Activity Schedule, Saturday, 9 January 2016

Tournament A

Time	Author(s)	Affiliation(s)	Title
8:45am–9:00am	Announcements and awards ceremony		
9:00am–9:15am	Greg J. Hunt ¹ , Joshua D. Gibson ¹ and Miguel E. Arechavaleta-Velasco ²	¹ Department of Entomology, Purdue University, West Lafayette, IN, ² Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias, Ajuchitlan, Queretaro, Mexico	“The relationship between aggression, metabolism and allele-specific expression in hybrids with Africanized honey bees”
9:15am–9:30am	Thomas C. Webster , Martin A. Matisoff, Cecil Butler	College of Agriculture, Food Science and Sustainable Technology, Kentucky State University, Frankfort KY	“ <i>Nosema</i> spore detection by optical methods”
9:30am–9:45am	David R. Tarpy ¹ , R. Holden Appler ¹ , Margarita Lopez-Urbe ¹ , ² Elsa Youngsteadt ¹ , Clint Penick ² , Robert R. Dunn ² , and Steven D. Frank ¹	¹ Department of Entomology, NC State University, Raleigh, NC, ² Department of Applied Ecology, NC State University, Raleigh, NC	“Beekeeping in the city—what urban living means to honey bees”
9:45am–10:00am	Osman Kaftanoglu , Cahit Ozturk and Robert E. Page	Arizona State University, Tempe, AZ	“In vitro rearing techniques of honey bee larvae: Pros and cons”
10:00am-10:15am	Shudong Luo ^{1,2} , Zachary Huang ¹	¹ Department of Entomology, Michigan State University, East Lansing, MI, ² Institute of Apicultural Research, Chinese Academy of Agricultural Sciences, Beijing, China	“Transportation and simulated transportation increase honey bee sensitivity to insecticides”
10:15am–10:30am	Morning break, refreshments		
10:30am–10:45am	Judy Wu-Smart ¹ , Marla Spivak ²	¹ University of Nebraska-Lincoln, Department of Entomology, Lincoln, NE, ² University of Minnesota, Department of Entomology, St Paul, MN	“Sub-lethal effects of dietary neonicotinoid insecticide exposure on honey bee queen fecundity and colony development”
10:45am–11:00am	Meghan Milbrath ¹ , Rufus Isaacs ¹ , Clint Otto ² , Matt Smart ²	¹ Michigan State University Department of Entomology, East Lansing, MI, ² Northern Prairie Wildlife Research Center, Jamestown, ND	“Refinement of techniques for monitoring bee health and productivity in commercial orchards of the Upper Midwest”

Time	Author(s)	Affiliation(s)	Title
11:00am–11:15am	Ana Heck , Claire Stoscheck, Paida Chikate	Humphrey School of Public Affairs at the University of Minnesota, UMN Bee Squad, Department of Entomology, Saint Paul, MN	“Bee friendly cities: Policies and practices that help pollinators”
11:15am–11:30am	Michael J Goblirsch ¹ , Jimena Carrillo-Tripp ^{2,3} , Roderick Felsheim ¹ , W. Allen Miller ³ , Amy L. Toth ^{2,4} , Bryony C. Bonning ⁴ , Marla Spivak ¹ , and Timothy Kurtti ¹	¹ Department of Entomology, University of Minnesota, St. Paul, MN, ² Department of Ecology, Evolution, and Organismal Biology, Iowa State University, Ames, IA, ³ Department of Plant Pathology and Microbiology, Iowa State University, Ames, IA, ⁴ Department of Entomology, Iowa State University, Ames, IA	“Cytopathology and infection dynamics of honey bee viruses in <i>AmE-711</i> cells”
11:30am-1:00pm	Lunch break (on your own)		
1:00pm-1:15pm	William G. Meikle ¹ , Milagra Weiss ¹ , John Adamczyk ²	¹ Carl Hayden Bee Research Center, USDA-ARS, Tucson, AZ, ² Thad Cochran Southern Horticultural Laboratory, USDA-ARS, Poplarville, MS	“The effects of controlled pesticide exposure on bee colony growth and activity”
1:15pm-1:30pm	Chia-Hua Lin , Paityn Monagan, Reed Johnson	Department of Entomology, The Ohio State University, Wooster, OH	“Soybeans as a potential nectar source for honey bees”
1:30pm-1:45pm	Reed Johnson ¹ , Thomas Janini ² , James Jasinski ³ , Fariba Kanga ¹	¹ Department of Entomology, The Ohio State University, Wooster, OH, ² Agricultural Technical Institute, The Ohio State University, Wooster, OH ³ Department of Extension, The Ohio State University, Urbana, OH	“Are pesticide combinations applied to cucurbit crops toxic to bees?”
1:45pm-2:00pm	Susan Cobey , Brandon Hopkins, Walter Sheppard	Washington State University, Pullman, WA	“Establishing a honey bee germplasm repository at WSU”
2:00pm-2:15pm	Jennifer Tsuruda ¹ , Juang-Horng “JC” Chong ² , and Steve Klaine ³	¹ Clemson University, Public Service & Agriculture, Cooperative Extension, SC, ² Clemson University, Pee Dee Research and Education Center, T&O Entomology, Florence, SC, ³ Clemson University, Institute of Environmental Toxicology, Pendleton, SC.	“A preliminary study on the impacts of systemic insecticides used in ornamental nurseries on honey bees”
2:15pm–2:30pm	Afternoon break, refreshments		
2:30pm – 4:30pm	AAPA business meeting (see separate agenda)		
4:30pm	Conference adjourned. Safe travels everyone!		