American Bee Research Conference (ABRC)
Annual Meeting of the American Association of
Professional Apiculturists (AAPA) and the
Canadian Association of Professional Apiculturists (CAPA)

Schedule At a Glance

Time	Function	Room
Thursday, January 14, 2010		
7:00 AM – 8:00 AM	Registration	Lime
8:00 AM – 11:59 AM	ABRC Presentations	Lime
1:00 PM – 3:30 PM	ABRC Presentations	Lime
3:30 PM – 6:30 PM	AAPA Business Meeting	Azalea
3:30 PM – 6:30 PM	NC-1173 Business Meeting	Lime
Friday, January 15, 2010		
8:00 AM – 11:59 AM	ABRC Presentations	Lime
1:30 PM – 5:00 PM	ABRC Presentations	Lime

ABRC Schedule of Presentations

Thursday, January 14, 2010	
Foundation Scholars[1]	
8:00 AM	A New Assay to Measure Mite-Grooming Behavior[2] - *Gladys Andino* and Greg Hunt; Purdue University
8:15 AM	Increasing the Economic Threshold for Fall Treatment of Varroa Mite (*Varroa destrcutor* A.&T.) in the Honey Bee (*Apis mellifera* L.) by Using Mite-Resistant Stocks in the Prairie of Canada[2] - *Rasoul Bahreini* and Rob Currie; University of Manitoba
8:30 AM	Friend or Foe? Nestmate Recognition in the Honey Bee, *Apis mellifera*[2] - *Ricarda Kather* and Steve Martin; University of Sheffield, England
8:45 AM	*Nosema ceranae* in the Pacific Northwest - Distributions and Interactions with Parasitic Mites[2]- *Matthew Smart* and Steve Sheppard; Washington State University
9:00 AM	Early Environment Influences the Behavioral Response of *Apis mellifera* to Brood Pheromone[2]- *Kirsten Traynor* and Rob Page; Arizona State University
9:15 AM	Sub-Lethal Effects of Pesticide Residues in Brood Comb on Worker Bees[2] - *Judy Wu* and Steve Sheppard; Washington State University
9:30 AM – 9:45 AM	Break
CAP Project	
9:45 AM	An Overview of the CAP Project with Special Attention to the Stationary Apiary Monitoring Scheme - Keith Delaplane; University of Georgia
10:00 AM	CAP Project: A First Year (2008-2009) Analysis of the Colony Strength Data from Seven Stationary Apiaries in the U.S. - Kate Aronstein; USDA-ARS, Weslaco, Texas
10:15 AM	Seasonal Distribution and Abundance of *Nosema* Spore Counts in CAP Stationary Apiaries - Steve Sheppard; Washington State University
10:30 AM	A Peek at the Distribution of Viruses in Stationary Honey Bee Colonies in the U.S. - Nancy Ostiguy; Pennsylvania State University
10:45 AM	Pests, Pathogens and Queen Losses in Commercial Migratory Operations - *Jeff Pettis* and Dennis van Engelsdorp; USDA-ARS, Beltsville, Maryland and Pennsylvania State University
11:00 AM – 11:15 AM	Break
11:15 AM	Pesticide Analysis at the Stationary Apiaries - Brian Eitzer; Connecticut Agricultural Experiment Station, New Haven, Connecticut
11:30 AM	Age-Dependent Death of Adult Bees and Colony Impacts Due to Israeli Acute Paralysis Virus - *Diana Cox-Foster*, Amanda Mahoney, Abby Kalkstein, Rajwinder Singh, and Mike Williams; Pennsylvania State University
11:45 AM	Bee Health @ eXtension.org: A Web Platform for the Creation and Dissemination of Science-Based Recommendations[2] - *Michael Wilson*, Keith Delaplane and Jeff Pettis; University of Tennessee; University of Georgia; USDA-ARS, Beltsville, Maryland
12:00 PM – 1:00 PM	Lunch
1:00 PM	Disinfection of *Nosema ceranae*-Infected Comb by Irradiation, Acetic Acid Fumigation and Heat - *Steve Pernal*, Abdullah Ibrahim and Adony Melathopoulos; Agriculture and Agri-Food Canada, Beaverlodge, Alberta
1:15 PM	Interactions Between *Nosema* Microspores and a Neonicotinoid on Honey Bees - C. Alaux, J.-L. Brunet, C. Dussaubat, F. Mondet, S. Tchamitchan, M. Cousin, J. Brillard, A. Baldy, L. P. Belzunces and *Yves Le Conte*; Laboratoire Biologie et Protection de l'abeille, Avignon, France
1:30 PM	Kinetics of *Nosema ceranae* in Field Colonies - *Lanie Bourgeois*, José Villa and Bob Danka; USDA-ARS, Baton Rouge, Louisiana
1:45 PM	Almond Pollen Collection by Honey Bee Colonies Heavily Infected with *Nosema ceranae* - Frank Eischen; USDA-ARS, Weslaco, Texas

Thursday, January 14, 2010 (continued)	
2:00 PM	*Nosema ceranae* in North America: Nasty, Nice, or Neither?[2]- *Geoff Williams*, Dave Shutler, C. Little, K. Burgher-MacLellan and Dick Rogers; Dalhousie University; Acadia University; Agriculture and Agri-Food Canada, Nova Scotia
2:15 PM – 2:30 PM	Break
2:30 PM	Molecular Diagnostics of *Nosema ceranae* and *N. apis* from Honey Bees in New York - *Allen Szalanski*, Justin Whitaker, and P. Cappy; University of Arkansas; New York State Department of Agriculture and Markets
2:45 PM	Statewide Survey of *Nosema* in Virginia Honey Bee Colonies[2] - *Brenna Tarver* and Richard Fell; Virginia Tech University
3:00 PM	The Effects of Salts on *Nosema ceranae* Spore Germination - Tom Webster; Kentucky State University
3:15 PM	Development of Protocols for the Safe International Exchange of Honey Bee Germplasm to Enhance U.S. Commercial Stocks - *Sue Cobey*, J. Pollard, C. Plante and Steve Sheppard; University of California, Davis; Washington State University
3:30 PM – 6:30 PM	AAPA and NC1173 Business meetings

[1]Foundation Scholars are 2010 recipients of fellowships from The Foundation for the Preservation of Honey Bees. Brief biographical descriptions of each recipient are listed on page 47 of this program.

[2]Denotes participation in the AAPA Student Paper (presentation) competition.

Friday, January 15, 2010	
8:00 AM	Variability and Correlations Among Five Traits Associated with American Foulbrood Resistance in a Canadian Breeding Population - *Adony Melathopoulos*, Marta Guarna, Leonard. Foster and Steve Pernal; Agriculture and Agri-Food Canada, Beaverlodge, Albert
8:15 AM	Preliminary Results on the Grooming Behavior of Russian Honey Bees Toward *Varroa destructor* - Lilia De Guzman, *Tom Rinderer* and Amanda Frake; USDA-ARS, Baton Rouge, Louisiana
8:30 AM	Antennae Proteins as Markers of Disease Resistance - *Marta Guarna*, Adony Melathopoulus, Steve Pernal and Leonard Foster; University of British Columbia, Vancouver, British Columbia; Agriculture and Agri-Food Canada, Beaverlodge, Alberta
8:45 AM	Honey Bee Volatiles as Attractants and Arrestants for *Varroa* Mites - Mark Carroll; USDA-ARS, Tucson, Arizona
9:00 AM	Effects of Varroa Mites and Bee Diseases on Pollination Efficacy of Honey Bees[2] - *Ohad Afik*, Hunter, W. and K. S. Delaplane; University of Georgia; USDA-ARS, Ft. Pierce, Florida
9:15 AM	Performance of *Varroa* Resistant Bees in Coast-to-Coast Pollination - Bob Danka *et al.*; USDA-ARS, Baton Rouge, Louisiana
9:30 AM – 9:45 AM	Break
9:45 AM	The Spatial Distribution of Varroa Mites in Honey Bees Hives - *Richard Fell*, Carlyle Brewster and Aaron Mullins; Virginia Tech University
10:00 AM	Preference of Phoretic Mites for Young Bees Increases Their Fitness - *Zachary Huang* and Xianbing Xie; Michigan State University
10:15 AM	*Varroa* Sensitive Hygiene and Mite Reproduction - *Jeff Harris* and Bob Danka; USDA-ARS, Baton Rouge, Louisiana
10:30 AM	*Apis mellifera* Proteomics of Innate Resistance (APIS) - *Robert Parker*, Marta Guarna, Steve Pernal and Leonard Foster; University of British Columbia, Vancouver, British Columbia; Agriculture and Agri-Food Canada, Beaverlodge, Alberta
10:45 AM	Selection for an Effect of Honey Bee Brood on Reproduction of *Varroa* Mites - José Villa; USDA-ARS, Baton Rouge, Louisiana
11:00 AM – 11:15 AM	Break
11:15 AM	Inhibition of Deformed Wing Virus (DWV) Replication in Honey Bees by RNA Interference (RNAi) [2] - *Suresh Desai* and Rob Currie; University of Manitoba, Winnipeg
11:30 AM	Effect of Transportation on Honey Bee Physiology - *Zachary Huang*, K. Ahn and Joe Riddle; Michigan State University
11:45 AM	Mountainside Wintering Improves Colony Strength and Survival of Honey Bees in South California - Frank Eischen; USDA-ARS, Weslaco, Texas
12:00 PM – 1:30 PM	Lunch
1:30 PM	Honey Bee Winter Kill From 2007-2009 in Alberta, Canada: Are Our Bees Healthy? - *Medhat Nasr*, S. Muirhead and R. Panasiuk; Crop Diversification Centre North, Edmonton, Alberta
1:45 PM	Relationships Between Vegetation Cover, Nectar Availability, and the Africanized Honey Bee - Wayne Esaias; Goddard Space Flight Center, Greenbelt, Maryland
2:00 PM	Beneficial Microflora in Honey Bee Colonies - *Diana Sammataro*, T. Oloffson and A. Vásquez; USDA-ARS, Tucson, Arizona
2:15 PM	Effects of Pollen Quality on Honey Bee Nutritional Status and Colony Growth - *Ramesh Sagili* and Carolyn Breece; Oregon State University
2:30 PM	Freeman Small Hive Beetle Trap Investigations - *Mike Hood* and B. Tate; Clemson University
2:45 PM	Further Evaluation of Pole Traps for Small Hive Beetles: Effect of Height and Color - *Lilia De Guzman*, Amanda Frake, Tom Rinderer and Terry Arbogast; USDA-ARS, Baton Rouge, Louisiana; USDA-ARS Gainesville, Florida
3:00 PM – 3:15 PM	Break

Friday, January 15, 2010 (continued)	
3:15 PM	Effects of a Miticide on Honeybee Memory: Is the Cure Worse than the Disease? [2] - *Elisabeth Frost*, Dave Shutler and K. Hillier; Acadia University, Nova Scotia
3:30 PM	A Test for Sub-Acute Effects of Some Commonly-Used Bee Hive Chemicals - *Keith Delaplane*, Jennifer Berry and Mike Hood; University of Georgia; Clemson University
3:45 PM	Movento®, Citrus and Honey Bees: Report on a Successful Cooperative Study - *Dick Rogers*, Geoff Williams, C. Lam, D. L. Fischer and David Hackenberg; Bayer CropScience, Research Triangle Park, NC; Acadia University, Nova Scotia; Bayer CropScience, Stilwell, KS; Hackenberg Apiaries, Lewisburg, PA
4:00 PM	Pesticide in Pollen Trapped from Honey Bee Hives in Connecticut – Two Years of Results in Relation to Acute Toxicity Data - *Kimberly Stoner* and Brian Eitzer; Conneticut Agriculture Experiment Station, New Haven, Connecticut
4:15 PM	Potential Sublethal Effects of Pesticides on Honey Bee Health and Behavior[2] - *Jody Johnson*, Jeff Pettis and Galen Dively; University of Maryland; USDA-ARS Beltsville, Maryland
4:30 PM	Effects of In-Hive Miticides on Honey Bee Drone Survival and Sperm Viability[2] - *Lizette Peters*, Reed Johnson and Marion Ellis; University of Nebraska, Lincoln
4:45 PM	Drug Interactions Between In-Hive Miticides and Fungicides in Honey Bees - *Reed Johnso*n, Lizette Peters and Marion Ellis; University of Nebraska, Lincoln