

TUESDAY, AUGUST 5

Mixer featuring **Par 4 Jazz Quartet** - 7:00-9:00 pm *Dublin/Belfast*

WEDNESDAY, AUGUST 6

NAPB and PBCC "BUSINESS" MEETINGS 8:00 - noon

GENERAL SESSION *Elizabeth Lee (NAPB President), and Pat Byrne (PBCC Chair)*

presiding - Salons A-D

- 8:00 **Opening remarks** (E. Lee, P. Byrne)
- 8:05 **Welcome** (Michael A. Schmitt, Ph.D., Associate Dean, College of Food, Agricultural and Natural Resource Sciences. University of Minnesota)
- 8:10 **Election of officers** –(L. Lee)
- 8:25 **NAPB General Session** (L. Lee)
- 8:45 **PBCC General Session** (P. Byrne)
- 9:05 **Instruction for Committee sessions** (L. Lee)

COMMITTEE BREAKOUT SESSIONS. 9:10. London, Edinburgh, Oxford, Bristol

BREAK & Exhibits and Poster set up. 10:05-10:25 am- Dublin/Belfast

10:25 **Committee reports** - *Barry Tillman and Jamie Sherman presiding*

- Advocacy (Bill Tracy)
- Communications (Wayne Smith)
- Education (David Francis)
- Graduate Students (Duke Pauli)
- Membership (Don Cummings)

11:15 **Election Results** (B. Tillman and J. Sherman)

11:20 **Plant breeding working group and NIFA update** (Ann Marie Thro, USDA)

11:35 **Industry update** (Andy Lavigne, American Seed Trade Association)

11:50 **2015 Meeting** (Jim McFerson)

LUNCH 12:00 - Grand Courtyard

RESEARCH PRESENTATIONS- AWARDEES. (Salons A-D)

- 1:00 **From Depression Era Mules to the Moon and Back: My Lifetime with Cotton.** Lifetime Awardee- Johnie Jenkins, USDA/ARS, Genetics and Precision Agriculture
- 1:25 **Ten Things a Successful Plant Breeder Understands.** Impact Awardee- Roger Boerma, Georgia Seed Development, Athens, GA
- 1:50 **Plant Breeding Approaches and Technologies for Challenges in Agriculture: A View from a Texas Maize Breeding Program.** Early Career Awardee- Seth Murray, Texas A & M

MINI-PRESENTATIONS: POSTERS AND SPONSORS (David Stelly)

- 2:15 **1-minute poster** introductions Even posters (Al-Jaser, Boontung, Campbell, Fakthongphan, Gifford, Guerrero-Chavez, Latshaw, Li, Mahan, Masor, McCloud, Moore, Niroula, Ortiz, Pauli, Rasul, Sallam, Singh, Smallwood, Sykes Yesudasan)

- 2:40 **1.5 minute introductions from Platinum and Gold Sponsors** (AgReliant, Bayer, Douglas Scientific, Dow AgroSciences, SeedWorld, LGC, Monsanto, Pioneer hi-Bred, TCAP ,)

POSTER AND SPONSOR SESSION - 3:00 evens - Dublin/Belfast

- 4:30 **1-minute poster introductions** Odd posters (Anderson, Bian, Bubert, DeSantis, Falcon, Gilbert, Levina, Liabeuf, May, Nasseer, Park, Ramírez-Madera, Sater, Smeda, Tiede, Tseng, Xiong)

BREEDING FOR TOLERANCE TO WATER STRESS (Celeste Falcon)

- 4:55 **Flood Tolerant in Rice.** David J. Mackill, Mars, Incorporated; UC Davis; International Rice Research Center
- 5:20 **Drought tolerant tropical maize development and delivery in sub-Saharan Africa: CIMMYT's experience and perspective.** BW Prasanna, CIMMYT (International Maize and Wheat Improvement Center), Nairobi, Kenya
- 5:45 **Enhancing alfalfa forage productivity during drought.** Ian Ray, New Mexico State University

ADJOURN FOR DINNER 6:10 (on your own)

THURSDAY, AUGUST 7TH

VISIT/TOUR SYNGENTA STANTON, MN STATION

- 6:30 Grab and Go Breakfast. Grand Foyer
- 7:00 Depart hotel to Syngenta

"LUNCH TO GO" 12:00 - bus back to hotel

GRADUATE STUDENT TALKS (Leah Ruff)

- 1:15 **Phenotypic evaluations of heat tolerance and fruit quality traits in segregating black raspberry (*Rubus occidentalis* L.) populations in North Carolina.** Christine Bradish, North Carolina State University
- 1:35 **Multi-environment analyses of winter wheat heading date across the US. Great Plains: Can we better optimize genotypes for specific environments?** Sarah Grogan, Colorado, State University
- 1:55 **General combining ability model for genome-wide selection in a biparental cross.** Amy Jacobson, University of Minnesota

POSTER AND SPONSOR SESSION II- 2:15 odds Dublin/Belfast

CONTROLLING GENOTYPE X ENVIRONMENT INTERACTIONS (Tyler Tiede)

- 3:25 **A Practical Approach for Understanding Genotype by Environment Interactions.** Chad Geater, Syngenta Seeds, Slater IA
- 3:50 **Potential to using remote sensing tools to screen germplasm.** Jerry Hatfield, National Laboratory for Agriculture and the Environment, USDA/ARS, Ames, IA
- 4:15 **Genomic Selection: Training Populations and GxE.** Mark Sorrells , Cornell University

PHENOTYPING AND PHYSIOLOGICAL RESPONSES TO WATER STRESS

(Araby Belcher)

- 4:40 **Taking advantage of physiological priming in crops: breeding for greater acclimation to drought.** Diane Rowland, University of Florida
- 5:05 **The stress-induced synthesis of cytokinin regulates the coordination of C and N metabolism resulting in enhanced drought tolerance in rice transgenic plants.** Maria Reguera, University of California, Davis
- 5:30 **Improving drought tolerance of hard winter wheat through the Triticeae Coordinated Agricultural Project (T-CAP).** Pat Byrne, Colorado State University

ADJOURN 5:55

BANQUET / 2014 AWARDS / PLENARY LECTURE (Barry Tillman)

- 6:30 **Cash Bar.** Grand Foyer
 - 7:00 **Dinner.** Grand Ball Room
 - 8:00 **2014 NAPB and PBCC Awards** (Phil Simon)
 - 8:20 **Recent Lessons in Drought Risk Management.** Michael Hayes, University of Nebraska-Lincoln
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FRIDAY MORNING, AUGUST 8TH

UNIVERSITY OF MINNESOTA FIELD DAY

- 6:30 Grab and Go Breakfast. Grand Foyer
- 7:00 Depart

“LUNCH TO GO” 12:00 - bus back to hotel

CLOSING SESSION/LAST MINUTE BUSINESS. 1:00 - Barry Tillman, Jamie Sherman.
Salons A-D

CONCURRENT WORKSHOPS

- 1:40 **Private Breeding Perspective Workshop** – (Duke Pauli) Salons AB
Rita Mumm, University of Illinois
Ron Ferris, Syngenta Seeds, Stanton, MN
Jane Dever, Texas A & M
Elliot Heffner, Pioneer Hi-Bred, Des Moines, IA
Chad Geater, Syngenta Seeds, Slater IA
- 1:40 **Tools to model and optimize Plant Breeding.** William Beavis, Iowa State University
(Michael Gore) Salons CD

CLOSE OF MEETING 4:00
