

Education Committee

Chancellor
SCC80 PBCC Meeting

Congressional Room
Sponsor Tables



Starbucks

Posters
State Ballrooms A & B

Lobby

Marriott
Front Desk

General Session
State Ballrooms C - F

Bar

Alumni
Room
SeedWorld

Governor's
Board
Room
614

University Rooms
A, B, C

Advocacy Committee

Communications Committee

Membership Committee

Restaurant

S. Salisbury Street

Fayetteville Street

W. Lenoir Street

MONDAY, AUGUST 15

NC STATE UNIVERSITY Experiment Station Tour

7:30 load buses Marriott City Center

9:00 **Upper Coastal Plain Research Station, Nobles Mill Pond Road, Rocky Mount**



Peanut Breeding - Tom Isleib, NCSU



Tobacco Breeding - Ramsey Lewis, NCSU

10:15 load buses

11:30  **CHEF & THE FARMER** Lunch, West Gordon Street, Kinston

12:30 load buses

1:45 **Horticultural Crops Research Station, 2450 Faison Highway, Clinton**



Melon & Stevia Breeding - Todd Wehner, NCSU



Sweetpotato Breeding - Craig Yencho, NCSU

3:00 load buses

4:15 **Central Crops Research Station, 13223 U.S. 70 Business, Clayton**



Soybean Breeding - Tommy Carter, USDA-ARS NCSU



Cotton Breeding - Vasu Kuraparthi, NCSU

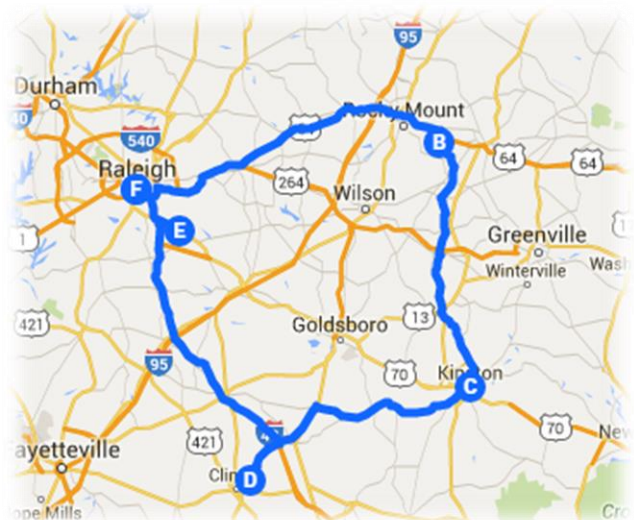
5:30 load buses

6:00 arrive Marriott City Center

Set up Posters State Ballrooms A & B

7:00 **Welcome Reception - hor d'oeuvres**
State Ballrooms C & D

10:00 Reception ends



TUESDAY, AUGUST 16

WELCOME, KEYNOTE, MINI-PRESENTATIONS, & POSTER SESSION #1

Presiding *Charles Stuber, North Carolina State University Plant Breeding Consortium
Marriott State Ballrooms C - F*

- 8:00 **NAPB Opening Remarks**, *David Francis, President, NAPB*
- 8:10 **PBCC Opening Remarks**, *Mike Gore, President, PBCC*
- 8:20 **Cotton Incorporated Welcome**, *J. Berrye Worsham, President, Cotton Incorporated*
- 8:40 **NCSU Welcome & Plant Science Initiative**, *Richard Linton, Dean,
College of Agriculture and Life Sciences, North Carolina State University*
- 9:20 **KEYNOTE Genetic Analysis and Genomic Prediction of Complex Traits in Maize**,
Jim Holland, USDA-ARS North Carolina State University
- 10:00 coffee & tea
- 10:30 **Graduate Student Lightning Presentations**: *Sudha Neupane Adhikari, Craig Beil,
Ben Stewart-Brown, Silas Childs, Dramadri I., Ammani Naidu Kyanam, Anna Levina,
Fanna Maina, Marcus Olatoye, Mohammad Mokhlesur Rahman, Trevor Rife
Mingqin Shao, Clinton J. Steketee, Lynn Veenstra, and Trevor D. Walker*
- 11:00 **Poster Session # 1**, *State Ballrooms A & B*
- 12:00 **Lunch**, *State Ballrooms C - F*

PRESENTATIONS, MINI-PRESENTATIONS, POSTER SESSION #2, & SCC80

Presiding *Julia Kornegay, Professor of Horticultural Science, North Carolina State University
Marriott State Ballrooms C - F*

- 1:00 **The “Non-Plant Breeding” Part of a Successful Breeding Program**,
Wayne Hanna, University of Georgia
- 1:40 **The Path Forward for a Public Strawberry Breeding Program with a Powerful Legacy:
Five Grand Challenges**, *Steve Knapp, University of California Davis*
- 2:20 **Southern Pine Tree Improvement: Impact on Forest Productivity and Profitability
for Landowners in the Southern US**, *Steve McKeand, North Carolina State University*
- 3:00 coffee & tea
- 3:30 **Graduate Student Lightning Presentations**: *Pragya Adhikari, Muhsin Ibrahim Avci,
Eduardo Bernal, QiuXia C. Chen, Austin Heine, Dylan Larkin, Justin Ma, Elliot Norden,
McCamy Pruitt, Alexis Ramos, Nicholas Santantonio, Narinder Singh, Sarah Turner,
Stephanie Verhoff, and Sufei Wang*
- 4:10 **Poster Session #2**, *State Ballrooms A & B*
- 5:10 **SCC80 PBCC State Representatives Work Session**, *Mike Gore, PBCC, Chancellor Room*
- 7:00 **Al Myers NC BBQ dinner**, *City Market, Music by Acoustic Manner*

WEDNESDAY, AUGUST 17

NAPB AWARD WINNERS, PRESENTATIONS, & SELECTED GRADUATE STUDENTS

Presiding *Rita Mumm, Emerita Professor, University of Illinois
Marriott State Ballrooms C - F*

- 8:00 **2015 PLANT BREEDING IMPACT AWARD** Scientific Learnings in America for Make Benefit Glorious Field of Plant Breeding, *Rex Bernardo, University of Minnesota*
- 8:40 **2015 EARLY CAREER AWARD** Genes, Beans, and Wheat: A Journey in Plant Breeding, *Jennifer Yates, Monsanto*
- 9:20 **Opportunities and Obstacles for CRISPR in Soybean: Lessons Learned from the Inheritance of Transgenes and Targeted Mutations**, *Robert Stupar, University of Minnesota*
- 10:00 coffee & tea
- 10:30 **Development of Next Generation Breeding Methods and Value Added Products for Sweetpotato**, *Craig Yencho, North Carolina State University*
- 11:10 **Development of the First Consensus Genetic Map for Intermediate Wheatgrass (*Thinopyrum intermedium*)**, *Traci Kantarski, Kansas State University*
- 11:25 **Discovery and Elucidation of Resistance to Bacterial Spot in an Accession of Wild Tomato *Solanum pimpinellifolium***, *Debora Liabeuf, The Ohio State University*
- 11:40 **A First Genetic Map of Sweet Basil Facilitated by ddRADseq**, *Robert Pyne, Rutgers University*
- 12:00 **Lunch**, *State Ballrooms C - F*

PRESENTATIONS, 2016 NAPB AWARDS, & BUSINESS MEETINGS

Presiding *Allen Van Deynze, Associate Director of Plant Breeding Institute, UC-Davis
Marriott State Ballrooms C - F*

- 1:00 **Technologies and Prospective for Accelerating Plant Breeding**, *Luca Comai, University of California Davis*
- 1:40 **The Innate Potato: How to Effectively Accelerate Genetic Improvement of Conventional Varieties**, *Nicolas Champouret, Simplot*
- 2:20 coffee & tea
- 2:50 **Increased Efficiency in a Plant Breeding Program Realized Through Reductions in Plant Generation Time**, *Ramsey Lewis, North Carolina State University*
- 3:30 **Using Breeder Knowledge to Train Convolutional Neural Networks for High-Throughput Phenotyping of Complex Traits**, *Jesse Poland, Kansas State University*
- 4:10 **Biofortification of Staple Food Crops for the Global South**, *Mike Gore, Cornell University*
- 4:50 **2016 NAPB AWARDS ANNOUNCEMENT** *Rita Mumm, University of Illinois*
- 5:10 **NAPB & PBCC Business Meeting and Working Groups**, *David Francis & Mike Gore*
Advocacy – University Ballroom A **Communications** – University Ballroom B
Education – Chancellor Room **Membership** – University Ballroom C
- 7:00 **Neomonde Mediterranean Dinner**, *City Market, Music by Old Habits*

THURSDAY, AUGUST 18th

SAS Institute & Cotton Incorporated Tours

8:15 Check out with luggage Marriott City Center

9:00 **SAS Institute, Inc.**, 100 SAS Campus Drive, Cary

BUSES 1 & 2

JMP[®] Genomics

A unique pedigree: visual discovery and analytics



9:00 **Cotton Incorporated**, 6399 Weston Parkway, Cary

BUSES 3 & 4

Product Development
Fiber Carding / Spinning
Digital & Laser Design



10:30 Load buses as groups switch between SAS & Cotton Incorporated

10:45 **SAS Institute, Inc** - box lunch provided at conclusion

10:45 **Cotton Incorporated** - box lunch provided at conclusion

12:15 Adjourn and depart for RDU airport