Saturday, April 20, 2024

10:30am  Registration opens at 148 Stocking Hall / Conference Center
12:00pm  Welcome and Introductions (Miguel Pineros and Georg Jander)
12:10pm  Doreen Ware
         Keynote Speaker: Plant Genomes: understanding their past and managing their future
1:00pm   Shuyao Kong
         Tradeoff Between Speed and Robustness in Primordium Initiation Mediated by Auxin-CUC1 Interaction
1:15pm   Maria Babar
         Exploring Graft Incompatibility Markers in Tomato (Solanum lycopersicum L.)
1:30pm   Lauren Cole-Osborn
         The CaMV 35S Promoter Can Activate Heterologous Promoters Even on Separate Co-Expressed Plasmids, Introducing Potential Artifacts into Reporter Assays in Plants
1:45pm   Erin Rehnig
         ASPB Ambassador presentation (Erin Rehnig, erehrig@fitchburgstate.edu)
2:00 – 2:30 pm Coffee break - BINGO – Networking
         (Audrey Fahey, fahey@cshl.edu and Janeen Braynen, braynen@cshl.edu)
2:30pm   Yogita Singh
         CRISPR-Cas9 Editing of Silicon/Arsenic Transporter Genes to Reduce Arsenic Contents in Rice to Ensure Food Safety
2:45pm   Yang Liu
         Deciphering the Role of Redox-Responsive and Calcium-Binding Proteins BAP on Plant Immunity and Chilling Tolerance
3:00pm   Serena Fan
         Unravelling the Interplay within ASAP complex’s Role in RNA Regulations in Arabidopsis thaliana
3:15pm   Sombir Rao
         The moonlighting function of a Nudix domain-containing protein in carotenoid biosynthesis and metabolon assembly
3:30pm   Seren Villwock
         Carotenoid-carbohydrate crosstalk: evidence for genetic and physiological interactions in storage tissues across crop species
3:45pm   Harper Lowrey
         CFH1 Conservation Sheds Light on Functionally Essential Amino Acids
4:00 pm  Josephine LoRicco
         Electron Tomography of Streptophyte Algae: Insights into the Subcellular Components that were Critical for Terrestrialization and Land Plant Evolution
4:15pm   Klaas van Wijk
         Organization and functions of the intra-chloroplast proteolysis network and discovery of the chloroplast N-degron pathway

POSTER SESSION
4:30pm – 5:30pm ODD NUMBERS
5:30pm – 6:30pm EVEN NUMBERS

DINNER
6:30pm – 8:30pm

* The complete Program Book, including All Abstract and Affiliations, can be downloaded at the meeting website: https://northeast.aspb.org/annual-meeting/
Sunday, April 21, 2024

9:00am  **Ed Buckler**  
Keynote Speaker: From Climate Change to AI: Improving Agriculture by Learning from Global Biological Diversity

9:50am **Leeann Thornton** (ASPB, President)

10:00am **Ju-Chen Chia**  
The role of Arabidopsis Oligopeptide Transporter 3 (AtOPT3) in shoot-to-root copper signaling and copper-iron crosstalk

10:15am **Simon Malcomber**  
Update from the NSF deputy assistant director: Helping plant science bloom!

10:30 – 11:00 am Coffee Break

11:00am **Boaz Negin**  
Catechol acetylglucose: A novel benzoazinoid-regulated defensive metabolite in maize

11:15am **Gabriella Ballestas**  
Development of Molecular Markers for Discrimination Between *Cynanchum wilfordii* and Its Close Relatives

11:30am **Greg Gregory**  
Determining the Diurnal Cues Regulating CELLULOSE SYNTHASE A8 Expression in *Brachypodium distachyon*

11:45am **Bahman Khahani**  
A Gene Regulatory Network for Secondary Wall Biosynthesis in the Leaf Nodal Roots of *Brachypodium distachyon*

12:00pm **Shiqi Zhang**  
Quantitative imaging of Pi using FRET sensors in *B. distachyon* roots reveals diverse Pi distribution and fluctuation during AM symbiosis

12:15pm **Subhash Minocha**  
NE-ASBP secretary/treasurer report, awards

12:30pm **Tours of Cornell facilities**  
Cornell High Energy Synchrotron Source (CHESS)  
Boyce Thompson Institute automated phenotyping facility  
Botanic Garden  
*Sign up at the registration desk

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