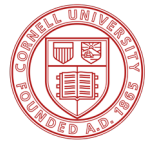




ASPB Northeastern Section - 87th Annual Meeting 2024



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 LoRizzo**
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

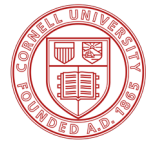
DINNER

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/>



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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 benzoxazinoid-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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