

# 2024 MAS-ASPB & UMD Plant Symposium Schedule

May 29 & 30th, 2024

Venue: **Edward St. John Learning and Teaching Center, Univ. of Maryland, College Park**

Day One: Wednesday (May 29, 2024)	
8:00 – 9:00 am	Registration
8:30 – 9:00 am	Simple breakfast served to all attendees
9:00 – 9:05 am	Welcome Remarks
9:05 – 9:10 am	Keynote speaker introduction
9:10 – 10:00 am	<b>Keynote address – Dr. Maria Harrison</b> <i>Title: Reprogramming root cells for symbiosis with AM fungi</i>
10:00 – 10:15 am	<b>Coffee Break, Set up presentations for Session I</b>
10:15 – 12:00 pm	<b>Session I: Plant Genetics and Genomics Dr. Mark Zander and Dr. Nicholas Santantonio</b>
10:15 – 10:40 am	Dr. Richard Boyle, <i>Clemson University</i> <i>Title: Recent genetic discoveries and advances to develop safer and more resilient cereal grains</i>
10:40 – 11:05 am	Dr. Daniel Rodriguez Leal, <i>University of Maryland, College Park</i> <i>Title:</i>
11:05 – 11:30 am	Dr. Qi Mu, <i>University of Delaware</i> <i>Title: Developmental dimension and genetic effects of crop phenotypic plasticity</i>
11:30 – 11:40 am	Short talks: TBD from the submitted abstracts
11:40 – 11:50 am	Short talks: TBD from the submitted abstracts
11:50 – 12:00 pm	Short talks: TBD from the submitted abstracts
12:00 – 12:45 pm	<b>Lunch (boxed lunch served to all attendees), Networking</b>
12:45 – 2:00 pm	<b>Poster Session (Odd numbers present)</b>
2:00– 3:20 pm	<b>Session II: Plant Biotechnology (session chair: Dr. Yiping Qi)</b>
2:00 – 2:25 pm	Dr. Bing Yang, <i>Donald Danforth Plant Science Center</i> <i>Title: Prime editing enables recapitulation of natural genetic variations in rice</i>

2:25 – 2:50 pm	Dr. Jesus Beltran, <i>University of Delaware</i> <i>Title: Reprogramming plant hormone perception modules enables new ligand-controlled functionalities</i>
2:50 – 3:15 pm	Daniel Barletta Sulis, <i>North Carolina State University</i> <i>Title: Multiplex CRISPR editing of wood for sustainable fiber production</i>
3:15 – 3:25 pm	Short talks: TBD from the submitted abstracts
<b>3:25 – 3:35 pm</b>	<b>Coffee Break, Set up presentations for Session III</b>
<b>3:35 – 5:00 pm</b>	<b>Session III: Plant Biotic Interactions (session chair: Dr. Nidhi Rawat)</b>
3:35 – 4:00 pm	Dr. Rong Di, <i>Rutgers</i> <i>Title: CRISPR-gene editing of sweet basil to improve downy mildew resistance</i>
4:00 – 4:25 pm	Dr. Murli Manohar, <i>Ascribe Bioscience Inc.</i> <i>Title: Microbial metabolites to empower plants' natural defenses for crop protection</i>
4:25 – 4:50 pm	Dr. Bret Cooper, <i>Beltsville Agricultural Research Center</i> <i>Title: Common bean and its bacterial pathogen respond to each other through a biochemical feedback loop of isoflavonoids and cyclic dipeptides</i>
4:50 – 5:00 pm	Short talks: TBD from the submitted abstracts
5:00 – 5:10 pm	Short talks: TBD from the submitted abstracts
	<b>Short Break</b>
<b>5:15 – 6:15 pm</b>	Career Development Workshop (convener: Dr. Hua Lu and Dr. Daniel Rodriguez Leal) <b>Panelists:</b>
<b>6:30 – 9:00 pm</b>	<b>Reception/dinner at The Hall CP for all attendees: 4656 Hotel Dr, College Park, MD 20742</b>
<b>Day Two: Thursday (May 30, 2024)</b>	
<b>8:00 – 9:00 am</b>	<b>Registration</b>
8:30 – 9:00 am	Simple breakfast served to all attendees
9:00 – 9:05 am	Welcome remarks by ASPB Executive Director
9:05 – 9:10 am	Keynote speaker introduction
9:10 – 10:00 am	Keynote address by Dr. Hong Ma, <i>Penn State University</i> <i>Title: ASPB - promoting interactions, collaborations, and mentoring young plant biologist</i>

<b>10:00 – 10:15 am</b>	<b>Coffee Break, Set up presentations for Session IV</b>
<b>10:15 – 12:00 pm</b>	<b>Session IV: Plant development and cell biology (session chair: Dr. Hua Lu and Dr. Jose Feijo)</b>
10:15 – 10:40 am	Dr. Mark Zander, <i>Rutgers University</i> <i>Title: Dissecting the environmentally responsive plant epigenome</i>
10:40 – 11:05 am	Dr. Ross Sozzani, <i>North Carolina State University</i> <i>Title: The Goldilocks principle: Just the right amount of growth</i>
11:05 – 11:30 am	Dr. Shan He, <i>Princeton University</i> <i>Title: Biogenesis and regulation of the CO<sub>2</sub>-concentrating organelle, the pyrenoid</i>
11:30 – 11:40 am	TBD from the submitted abstracts
11:40 – 11:50 am	TBD from the submitted abstracts
11:50 – 12:00 pm	TBD from the submitted abstracts
<b>12:00 pm – 12:45 pm</b>	<b>Lunch (boxed lunch served to all attendees), Networking</b>
<b>12:45 pm– 1:45 pm</b>	Grant Development Workshop (convener: Dr. Shunyuan Xiao and Dr. Vijay Tiwari) Panelists: Drs. Wang / Jaiswal (NSF), Christian Tobias (USDA-NIFA), and V.K. Sharma (DOE)
<b>1:45 – 3:00 pm</b>	<b>Poster Session (Even numbers present)</b>
<b>3:00– 4:35 pm</b>	<b>Session V: Omics-based approaches in Plant Biology (session chair: Dr. Gary Coleman and Dr. Edward Eisenstein)</b>
3:00 – 3:25 pm	Dr. Sean McSweeney, <i>Brookhaven National Laboratory</i> <i>Title:</i>
3:25 – 3:50 pm	Dr. Grey Monroe, <i>UC Davis</i> <i>Title: Mechanisms and origins of epigenome-recruited DNA mismatch repair in plants</i>
3:50 – 4:15 pm	Dr. Holly P. Bartholomew, <i>Beltsville Agricultural Research Center</i> <i>Title: Fighting fungus with fungus: utilizing non-pathogenic Penicillium spp. in apple fruit for fundamental and translative applications</i>
4:15 – 4:25 pm	TBD from the submitted abstracts
4:25 – 4:35 pm	TBD from the submitted abstracts
<b>4:35 – 4:45 pm</b>	<b>Short break</b>
<b>4:45 – 4:55 pm</b>	<b>Poster and Oral Presentation Awards</b>
<b>4:55 – 5:00 pm</b>	<b>Closing Remarks</b>

<b>5:00 – 5:10 pm</b>	<b>Poster Take-down and Departure</b>