

SESSION TITLE	FIRST NAME	LAST NAME	ABSTRACT TITLE	How attending
3_Arabidopsis Beyond Arabidopsis Towards Generalisable Principles in Biology	Jumana	Akhtar	Mechanisms of Soil Binding Exudate Release and Their Role in Plant-Soil Interactions	In-person
10_Environmental and Tissue-Specific Regulation of Plant Circadian Rhythms	Alveena	Alveena	Resolving the spatial dynamics of single cell circadian regulatory networks	In-person
31_Synthesis and Function of Plant Specialized Metabolites that Regulate Development and Stress Responses	Mauricio	Antunes	Reprogramming plant specialized metabolism with information-processing synthetic genetic circuits	In-person
22_MORE THAN GROWTH	Cris	Argueso	TBD	In-person
33-Tiny Pores With Global Impact	Sarah	Assmann	Heterotrimeric G protein regulation of the stomatal response to CO2	In-person
8-Deciphering the Secrets of Microbiomes in Promoting Stress Resilience in Plants – a Strategy for Achieving Agricultural Sustainability	Mentewab	Ayalew	Antibiotics in plant root microbiomes - a metagenomic analysis	In-person
21_Molecular Mechanisms of Hormone Function	Tamar	Azoulay-Shemer	A Role for Ethylene Signaling in Regulating CO2- and ABA-mediated Stomatal Movements in Arabidopsis	In-person
29-SEED BIOLOGY	Nicola	Babolin	Maternal regulation of starch metabolism plays a pivotal role during ovule and seed development	In-person
27_RNA Modifications and Their Role in Plants	Aiswarya	Balakrishnan	Genomic Determinants of Splicing Variation	In-person
3_Arabidopsis Beyond Arabidopsis Towards Generalisable Principles in Biology	Sureshkumar	Balasubramanian	Thermal responses to human diseases via Arabidopsis	In-person
4_Cell Fate Control and Organogenesis: Towards Understanding and Imaging Complex Tissues	Camilla	Banfi	Arabidopsis VPS13 is required for female germline development by regulating the miR390-TAS3-ARF3 pathway	In-person
16-Genomic Features and Mechanisms of Mutation	Zhigui	Bao	Understanding mutational processes from Arabidopsis pangenome graphs	In-person
5_Cell-type specific responses for plant resilience to stress	Arpan Kumar	Basak	The other side of the ER bodies - What is the physiological role of root ER bodies?	In-person
18_Light and Warm Temperature Crosstalk in Plants	Isabel	Bäurle	How plants remember a stressful day – a role for chromatin-based mechanisms	Online
29-SEED BIOLOGY	William	Bezodis	Evidence for transgenerational control of seed physiology during development by ABA and nitrate, revealed by combining physiology with single cell technologies	In-person
7_Chromatin at Single-cell and Single molecule Resolution	Clara	Bourbousse	Global increase of RNA polymerase II activity and of transcriptome size during Arabidopsis photomorphogenesis	In-Person
5_Cell-type specific responses for plant resilience to stress	Wolfgang	Busch	Molecular Mechanisms of Root Nutritional Immunity	In-person
20_Mobile DNA and Genome Plasticity	Marco	Catoni	Arabidopsis epigenetic inbred lines: a tool to study plant genome plasticity	In-person
2_Adaptations to Extreme Climate in Arabidopsis Extremophyte Relatives	Sixue	Chen	C3 to CAM transition – adaptation to climate change	In-person
20_Mobile DNA and Genome Plasticity	Jinfeng	Chen	The evolution of transposable elements and their impact on genomic diversity revealed by pan-genome and pan-epigenome approaches in plants	In-person
18_Light and Warm Temperature Crosstalk in Plants	Mei-Chun	Cheng	Translational Regulation of Photomorphogenesis and Heat Stress Response Mediated by SPA kinases	In-person
6_Chemical Genetics in Arabidopsis Research: Recent advances and Applications	Hoo Sun	Chung	Time-resolved MAPK activation shapes dynamics in plant defense responses	TBC
1_A Systems Approach to Decipher Plant Cell Wall Dynamics	Silvia	Coimbra	JAGGER localization and function are dependent on GPI anchor addition	In-person
35_Visualizing the Dynamics of Cell Biology During Plant Development and Environmental Stresses	Kevin	Cox	Expansion microscopy to visualize subcellular components in protoplasts	In-person
19_Long-distance Signaling in Times of Stress	Alexander	Cummins	Dalekin is a graft-transmissible signal that induces drought stress responses and enhances stress tolerance.	In-person
7_Chromatin at Single-cell and Single molecule Resolution	Josh	Cuperus	Single molecule chromatin accessibility in Arabidopsis	In-Person
34_Translational Research from Arabidopsis to Crop Plants and Beyond	Paweł	Ćwiek	Construction of innovative platform based on Arabidopsis, human cell lines, mice and VHH for identification of drugs targeting metabolome-related human diseases	In-person
17_Hormonal Influence on Plant Form	Stefan	de Folter	AGAMOUS promotes carpel initiation by repressing cytokinin signaling	In-person
24_Phenotypic Plasticity in Arabidopsis thaliana Mechanisms and Evolution	Kithmee	De Silva	Integrated transcriptional responses to nitrogen and light stresses modulate photosynthesis and nitrogen-use	In-person
8-Deciphering the Secrets of Microbiomes in Promoting Stress Resilience in Plants – a Strategy for Achieving Agricultural Sustainability	Gozde	Demirer	Elucidating Chemical Signals Dictating Plant Microbiome Assembly And Function	In-person
1_A Systems Approach to Decipher Plant Cell Wall Dynamics	Megan	DeTemple	The involvement of pectin-synthesizing enzyme GAUT10 in auxin-dependent cell wall formation and root development	In-person
22_MORE THAN GROWTH	Deepak Bhandari	Dharamchand Bhandari	Logistics of Defense – TGNap1 mediated secretion of antimicrobial proteins	In-person
26_Quantitative Proteomics applications to Dissect Signal Transduction in Arabidopsis	Marcia Goncalves	Dias	Subfamily C7 Raf-like kinases MRK1, RAF26, and RAF39 regulate immune homeostasis and stomatal opening in Arabidopsis thaliana	In-person
31_Synthesis and Function of Plant Specialized Metabolites that Regulate Development and Stress Responses	Alexandra	Dickinson	The chemistry of root development: uncovering small molecule regulators of tissue patterning	In-person

29-SEED BIOLOGY	Xinxin	Ding	Seed Coat Anatomy and Chemical Composition Changes Affect the Seed Imbibition and Seed Coat Permeability of Pennycress transparent testa 8 (tt8) mutants	In-person
27_RNA Modifications and Their Role in Plants	Jakub	Dolata	small RNA biogenesis: co-transcriptional regulation and RNA modifications	In-person
28_Robustness and Resilience: Surviving a Changing Climate	Esha	Dutta	Ethylene-mediated metabolic priming increases growth and stress tolerance in <i>Arabidopsis thaliana</i>	In-person
12_Epigenome and Epitranscriptome in Environmental Stress Signaling and Memory	Robyn	Emmerson	Interaction of IBM1 and VHAE2 in flowers may explain transgenerational instability of hypomethylated lines	In-person
13_Evolutionary Plant Systems Biology for Climate Adaptation	Moises	Exposito-Alonso	Rapid evolution across climates in synchronized global outdoor experiments of <i>Arabidopsis thaliana</i>	In-person
13_Evolutionary Plant Systems Biology for Climate Adaptation	Daphne	Ezer	Changing latitudes: how shifting geographic ranges will impact plant developmental synchrony and what we can do about it	In-person
9_Dynamic Plant Cells: Organelle Dynamics and Cell Division During Development	Michelle	Facette	A conserved role for related LRR-RLKs during formative asymmetric cell divisions	In-person
32_The Roles of Biomolecular System	Xiaofeng	Fang	Phase separation in endomembrane trafficking in plants	In-person
1_A Systems Approach to Decipher Plant Cell Wall Dynamics	Jordan	Ferria	The role of mechanosensing in flat organ formation	In-person
34_Translational Research from Arabidopsis to Crop Plants and Beyond	Catherine	Freed	A Multidisciplinary Solution to Advance the Circular Economy of Phosphorus	In-person
33-Tiny Pores With Global Impact	Wolf B	Frommer	ERC Sympore project: New insights into composition, structure and transport mechanisms of plasmodesmata	In-person
29-SEED BIOLOGY	Mary	Gehring	Insights on peptide signalling for seed single-nucleus RNA-seq	In-person
10_Environmental and Tissue-Specific Regulation of Plant Circadian Rhythms	Joshua	Gendron	Plants sense different photoperiods to independently control growth and reproduction	In-person
17_Hormonal Influence on Plant Form	Megan	Gerber	Auxin modulates root hair formation through an ARF19 gene regulatory network that increases ROS	In-person
13_Evolutionary Plant Systems Biology for Climate Adaptation	Aisha	Gerhardt	Elucidating the role of the plant circadian clock in latitudinal adaptation	In-person
27_RNA Modifications and Their Role in Plants	Brian	Gregory	Insights on peptide signalling for seed single-nucleus RNA-seq	TBC
3_Arabidopsis Beyond Arabidopsis Towards Generalisable Principles in Biology	Magdalena	Gromadzka	The BAS, a SWI/SNF-type chromatin remodeling complex, affects organ-specific transcription start site choice in <i>Arabidopsis</i>	In-person
30_Stress Combination: A New Frontier in Plant Sciences	Natalia	Guayazan	Exploring trade-offs induced by herbivore- and pathogen-derived peptide elicitors of immunity in legumes	In-person
20_Mobile DNA and Genome Plasticity	Jia	Gwee	Substrate specificity and protein stability drive the divergence of plant-specific DNA methyltransferases	In-person
35_Visualizing the Dynamics of Cell Biology During Plant Development and Environmental Stresses	Klaus	Harter	Super-Resolution Analysis of single-molecule dynamics and nanoscale organization in living plants: Improved approaches and new results	In-person
4_Cell Fate Control and Organogenesis: Towards Understanding and Imaging Complex Tissues	Kensington	Hartman	Oriented Symmetric Divisions Contribute to Stomatal Patterning Across Eudicots	In-person
24_Phenotypic Plasticity in Arabidopsis thaliana Mechanisms and Evolution	Maika	Hayashi	Development-dependent morphological analysis on leaf movement of <i>Arabidopsis</i> utilizing microfocus X-ray CT	In-person
25_Pushing the Boundaries of Single cell omics Technologies and Applications	Yka	Helariutta	TBD	In-person
28_Robustness and Resilience: Surviving a Changing Climate	Richard	Hilleary	Temperature-Dependent Suppression of Ca ²⁺ Signaling During Effector-Triggered Immunity in Plants	In-person
21_Molecular Mechanisms of Hormone Function	Po-Kai	Hsu	<i>Arabidopsis</i> SWI/SNF chromatin remodeler SPLAYED (SYD) participates in ABA-inhibited seed germination	In-person
25_Pushing the Boundaries of Single cell omics Technologies and Applications	Che-Wei	Hsu	GeneSys: Generative Modeling for Developmental System	In-person
9_Dynamic Plant Cells: Organelle Dynamics and Cell Division During Development	Jianping	Hu	Actomyosin-dependent peroxisome motility in plant metabolism and stress response	In-person
13_Evolutionary Plant Systems Biology for Climate Adaptation	Shao-shan Carol	Huang	Conservation and divergence of DNA binding sites of SQUAMOSA promoter-binding protein-like (SPL) transcription factors	In-person
34_Translational Research from Arabidopsis to Crop Plants and Beyond	Ji	Huang	NUENet: Orthologous nitrogen network modules enhance NUE outcome predictions across model-to-crop	In-Person
9_Dynamic Plant Cells: Organelle Dynamics and Cell Division During Development	Calvin	Huang	The microtubular preprophase band recruits Myosin XI to the cortical division site to guide phragmoplast expansion during plant cytokinesis	In-person
26_Quantitative Proteomics applications to Dissect Signal Transduction in Arabidopsis	Aobo	Huang	Proteomics profiling of proximal-distal tissue-wide polarity in <i>Arabidopsis</i>	In-person
23_New Methods to Accelerate Plant Synthetic Biology	Yu-Hung	Hung	Enhancement of Cas9 protein production through an in vivo protein-RNA tethering system	In-person
21_Molecular Mechanisms of Hormone Function	ILDOO	HWANG	Cytokinin-mediated acquisition of phloem identity	In-person
4_Cell Fate Control and Organogenesis: Towards Understanding and Imaging Complex Tissues	Momoko	Ikeuchi	From chaos to order: cell fate specification and self-organization during shoot regeneration	In-person
5_Cell-type specific responses for plant resilience to stress	Natanelia	Illouz-Eliaz	Charting the Onset of Drought Recovery in <i>Arabidopsis</i>	In-person
1_A Systems Approach to Decipher Plant Cell Wall Dynamics	Talia	Jacobson	Plant β -mannanases with a dual persona: Breaking bonds to build cell walls	In-person
32_The Roles of Biomolecular System	min	jia	Plant karyopherin KA120 regulates nuclear condensation of the core splicing regulatory complex MAC to coordinate immune activation	In-person

15_From Perception to Memory: How Plants Adapt to Climate Change	Matt	Jones	REVEILLE2 thermosensitive splicing: A molecular basis for the integration of nocturnal temperature information by the Arabidopsis circadian clock	In-person
14_From Arabidopsis to Crops: Unveiling the Secrets of Elemental Nutrient Uptake, Allocation, and Biofortification	Brent	Kaiser	AMF transporters are important for cellular ammonium management and nitrogen delivery to developing seeds	TBC
28_Robustness and Resilience: Surviving a Changing Climate	Eirini	Kaiserli	Modulating plant growth and thermotolerance in Arabidopsis	In-person
18_Light and Warm Temperature Crosstalk in Plants	Stanislaw	Karpinski	Aboveground plant-to-plant electrical signaling mediates network acquired acclimation	In-person
5_Cell-type specific responses for plant resilience to stress	Julia	Keum	Measuring the impact of stomatal alignment on pore opening in Arabidopsis thaliana	In-person
4_Cell Fate Control and Organogenesis: Towards Understanding and Imaging Complex Tissues	Daniel	Kierzkowski	Mechanical interactions between tissue layers underlie plant morphogenesis	In-person
17_Hormonal Influence on Plant Form	Kyungyoon	Kim	Phytohormonal regulation determines the organization pattern of shoot aerenchyma in greater duckweed (Spirodela polyrhiza)	In-person
22_MORE THAN GROWTH	Jeongim	Kim	Unravelling metabolic networks controlling defense and growth: Insights from forward genetics analysis	In-person
33-Tiny Pores With Global Impact	Toshinori	Kinoshita	Light-induced stomatal opening through the regulation of plasma membrane H ⁺ -ATPase in guard cells	In-person
32_The Roles of Biomolecular System	Roland L.	Knorr	How physico-molecular mechanisms of the condensate-membrane interplay organize cells	In-person
11-Epigenetics	Reina	Komiya	Nuclear Dynamics of Mobile RISC during Rice	In-person
26_Quantitative Proteomics applications to Dissect Signal Transduction in Arabidopsis	Johanna	Krahmer	Insights on peptide signalling for seed single-nucleus RNA-seq	Online
2_Adaptations to Extreme Climate in Arabidopsis Extremophyte Relatives	Ute	Krämer	Arabidopsis halleri as an extremophile model for addressing the genetic basis of natural variation in physiological traits	In-person
27_RNA Modifications and Their Role in Plants	Szymon	Kubala	Chromatin remodeling, alternative RNA processing and m6A RNA modification in Arabidopsis	In-person
24_Phenotypic Plasticity in Arabidopsis thaliana Mechanisms and Evolution	Amy	Lañcot	Conserved cis-regulatory sequences of a key floral specification gene encode antagonizing elements that mediate phenotypic robustness in Arabidopsis and tomato	In-person
28_Robustness and Resilience: Surviving a Changing Climate	Patricia	Lang	Tracking molecular mechanisms of stomatal adaptation to climate change with herbaria	In-person
24_Phenotypic Plasticity in Arabidopsis thaliana Mechanisms and Evolution	Erica	Lawrence-Paul	Vegetative phase change alters plasticity of plant responses to abiotic stress	In-person
10_Environmental and Tissue-Specific Regulation of Plant Circadian Rhythms	Ilha	Lee	Chaperonin-mediated Winter Cold Response via Circadian Clock Components in Arabidopsis	In-person
21_Molecular Mechanisms of Hormone Function	Travis	Lee	A Spatiotemporal Roadmap of Ethylene Signaling at Single-cell Resolution in Arabidopsis.	In-person
5_Cell-type specific responses for plant resilience to stress	Yuree	Lee	Unveiling Cellular Reprogram for Surface Barrier Restoration in Arabidopsis	In-person
19_Long-distance Signaling in Times of Stress	Melissa	Leeggangers	Guardians of the meristem: Ethylene's role in shielding plants during waterlogging for future flooding stress through long-distance signaling.	In-person
24_Phenotypic Plasticity in Arabidopsis thaliana Mechanisms and Evolution	Michael	Lenhard	Plasticity of leaf form and function to temperature in the global weed Capsella bursa-pastoris	In-person
16-Genomic Features and Mechanisms of Mutation	Mariele	Lensink	Population genetic consequences and causes of mutation rate heterogeneity in Arabidopsis thaliana	In-person
25_Pushing the Boundaries of Single cell omics Technologies and Applications	Mathew G	Lewsey	Cell transcriptional states are dynamic during germination	In-person
6_Chemical Genetics in Arabidopsis Research: Recent advances and Applications	Xiaohui	Li	A chemical genetic screen uncovers novel modulators of exocytosis in Arabidopsis	In-person
32_The Roles of Biomolecular System	Ruixi	Li	A condensates-to-VAPV conversion pathway regulates autophagy degradation in plant cells	In-person
35_Visualizing the Dynamics of Cell Biology During Plant Development and Environmental Stresses	Jiejie	Li	Myosin XI-mediated BIK1 recruitment to nanodomains facilitates FLS2-BIK1 complex formation during innate immunity in Arabidopsis	In-person
7_Chromatin at Single-cell and Single molecule Resolution	Chenxin	Li	Cell-type aware regulatory landscapes governing monoterpene indole alkaloid biosynthesis in the medicinal plant Catharanthus roseus	In-Person
12.Epigenome and Epitranscriptome in Environmental Stress Signaling and Memory	Chenlong	LI	BAS chromatin remodeler determines brassinosteroid-induced transcriptional activation and growth in Arabidopsis	In-person
14_From Arabidopsis to Crops: Unveiling the Secrets of Elemental Nutrient Uptake, Allocation, and Biofortification	Yi-Chen	Lin	Study of vacuole glycerate transporter NPF8.4 reveals a new role of photorespiration in C/N balance	In-person
7_Chromatin at Single-cell and Single molecule Resolution	Ao	Liu	Transcriptional Regulation in Stomatal Development at single cell resolution	In-Person
29-SEED BIOLOGY	Bailan	Lu	Pro-seed to Seedling: Regulation of Seed Germination by an Evolutionarily Conserved Transcriptional Co-repressor Family	In-person
9_Dynamic Plant Cells: Organelle Dynamics and Cell Division During	Upendo	Lupanga	Getting there - differential targeting of the plant V-ATPase complex	In-person
14_From Arabidopsis to Crops: Unveiling the Secrets of Elemental Nutrient Uptake, Allocation, and Biofortification	Imani	Madison	Feeding plants phosphorus one cell at a time	In-person
4_Cell Fate Control and Organogenesis: Towards Understanding and Imaging Complex Tissues	Andrea	Mair	Proximity labeling and deletion of a conserved domain give insights into mechanistic roles of SPCH during stomatal development	In-person

29-SEED BIOLOGY	Kumbirai Deon	Mandebere	Iron determines germination speed in seeds	In-person
11-Epigenetics	Laura	Martins	Investigating CLSY proteins and Pol-IV complex interaction in controlling DNA methylation patterns in Arabidopsis thaliana	In-person
9_Dynamic Plant Cells: Organelle Dynamics and Cell Division During Development	Joe	McKenna	The ties that bind: Understanding actin-organelle interactions in plants	In-person
10_Environmental and Tissue-Specific Regulation of Plant Circadian Rhythms	Devang	Mehta	Twilight length alters growth and flowering time in Arabidopsis via LHY/CCA1	In-person
26_Quantitative Proteomics applications to Dissect Signal Transduction in Arabidopsis	Frank	Menke	Connecting membrane receptor signalling and effector-triggered immunity via helper NLR phosphorylation	In-person
25_Pushing the Boundaries of Single cell omics Technologies and Applications	Charlotte	Miller	A single nuclei transcriptome atlas of the Arabidopsis periderm uncovers a developmental switch for phellem cell maturation.	In-person
19_Long-distance Signaling in Times of Stress	Yohanna	Miotto	Contribution of trehalose 6-phosphate synthase 1 to Arabidopsis thaliana reproductive development	In-person
25_Pushing the Boundaries of Single cell omics Technologies and Applications	Sebastian	Moreno	Single-nuclei sequencing reveals cellular heterogeneity and differentiation dynamics within the shoot apical meristem.	In-person
21_Molecular Mechanisms of Hormone Function	Juan Camilo	Moreno Beltran	The receptors DWARF14 and KARRIKIN INSENSITIVE2 bind and mediate arabidopsis response to the apocarotenoid zaxinone	In-person
6_Chemical Genetics in Arabidopsis Research: Recent advances and Applications	Miguel	Moreno-Risueno	Novel Bio-stimulant Molecules Enhancing Root System Vigor	In-person
18_Light and Warm Temperature Crosstalk in Plants	Sourav	Mukherjee	Regulatory networks of thermal response in plants	In-person
9_Dynamic Plant Cells: Organelle Dynamics and Cell Division During Development	Andrew	Muroyama	Designing genetically encoded tools for local cytoskeleton disruption in plant cells	In-person
4_Cell Fate Control and Organogenesis: Towards Understanding and Imaging Complex Tissues	Zoe	Nemec Venza	How to grow at the organ surface: Root surface cells use mechanical cues to activate edge-based growth control	Online
5_Cell-type specific responses for plant resilience to stress	Tatsuya	Nobori	Rare cell state genes regulate plant immunity	In-person
10_Environmental and Tissue-Specific Regulation of Plant Circadian Rhythms	Maria A.	Nohales	Mechanistic insights into the circadian gating of the response to limiting light conditions in Arabidopsis	In-person
25_Pushing the Boundaries of Single cell omics Technologies and Applications	Trevor	Nolan	Unveiling spatiotemporal control of Arabidopsis root growth and development	In-person
18_Light and Warm Temperature Crosstalk in Plants	Dmitri	Nusinow	Reduced Environmental Plasticity in Pennycress Improves Responses To Competition And Climate Change	In-person
7_Chromatin at Single-cell and Single molecule Resolution	Ronan	O'Malley	The gene regulatory landscape of flowering plants	In-Person
24_Phenotypic Plasticity in Arabidopsis thaliana Mechanisms and Evolution	Jose	OBrien	Alternative Splicing Regulates Root Response to Salinity in Arabidopsis	In-person
15_From Perception to Memory: How Plants Adapt to Climate Change	Justyna	Olas	Tissue Specific Heat Stress Memory	In-person
1_A Systems Approach to Decipher Plant Cell Wall Dynamics	Klaudia	Ordyniak	TBD	In-person
8-Deciphering the Secrets of Microbiomes in Promoting Stress Resilience in Plants – a Strategy for Achieving Agricultural Sustainability	Bradley	Paasch	Interactions between plant microbiota, environmental factors, and host immunity: Insights from gnotobiotic Arabidopsis model	TBC
17_Hormonal Influence on Plant Form	Ana	Paez-Garcia	A novel Arabidopsis ABC transporter spatially regulates oscillating auxin response and periodic branching in roots	In-person
33-Tiny Pores With Global Impact	Nattiwong	Pankasem	Warming temperature triggers stomatal opening by enhancement of photosynthesis and ensuing guard cell CO2 sensing and signaling	In-person
11-Epigenetics	Craig	Pikaard	Enzymatic reactions and RNA codes programming DNA methylation and transcriptional gene silencing in plants	In-person
3_Arabidopsis Beyond Arabidopsis Towards Generalisable Principles in Biology	Matthieu	Platre	Ubiquitination driven SRF3 nano-organization fine tunes iron bioavailability upon bacterial elicitation	In-person
21_Molecular Mechanisms of Hormone Function	Michael	Prigge	Mutant analyses in moss and maize reveal a novel mechanism of AUXIN RESPONSE FACTOR regulation in land plants	In-person
10_Environmental and Tissue-Specific Regulation of Plant Circadian Rhythms	Jose	Pruneda-Paz	Unraveling how organ-specific circadian clocks function in Arabidopsis	In-person
29-SEED BIOLOGY	Julia	Qüesta	Transcriptional reprogramming in the Arabidopsis seed-to-seedling transition	In-person
8-Deciphering the Secrets of Microbiomes in Promoting Stress Resilience in Plants – a Strategy for Achieving Agricultural Sustainability	Manish	Raizada	Pollen carry bacteria which suppress an opportunistic fungal pathogen that invades ovules during fertilization	Online
31_Synthesis and Function of Plant Specialized Metabolites that Regulate Development and Stress Responses	Sombir	Rao	The moonlighting function of a Nudix domain-containing protein in carotenoid biosynthesis and metabolon assembly	In-person
8-Deciphering the Secrets of Microbiomes in Promoting Stress Resilience in Plants – a Strategy for Achieving Agricultural Sustainability	Anamika	Rawat	Beneficial microbe mediated abiotic stress tolerance of host plant by ABA-mediated root architecture and epigenetic reprogramming	In-person
28_Robustness and Resilience: Surviving a Changing Climate	Adrienne	Roeder	Trade-off in speed versus robustness	In-person
35_Visualizing the Dynamics of Cell Biology During Plant Development and Environmental Stresses	Yue	Rui	Structure and function of the plant cell wall – Plasma membrane interface	In-person
27_RNA Modifications and Their Role in Plants	Kamil	Ruzicka	N6-adenosine methylation of mRNA integrates multilevel auxin response and ground tissue development in Arabidopsis	In-person
22_MORE THAN GROWTH	Jakub	Rzemieniewski	CEP signaling coordinates plant immunity with nitrogen status	In-person

17_Hormonal Influence on Plant Form	Sonal	Sachdev	Deciphering ATHMGB15, an ARID-HMG Protein in Arabidopsis: Orchestrating the JA Pathway Through MYC2 Regulation in Pollen Development	In-person
33-Tiny Pores With Global Impact	Diana	Santelia	Guard cell starch degradation and fast stomatal opening in plants	In-person
17_Hormonal Influence on Plant Form	Enrico	Scarpella	Vein patterning by GNOM-dependent auxin diffusion, transport, and signaling	In-person
31_Synthesis and Function of Plant Specialized Metabolites that Regulate Development and Stress Responses	Craig	Schenck	Identification of the mode of action of the nonproteogenic amino acid azetidine-2-carboxylic acid and engineering tolerance in Arabidopsis	In-person
9_Dynamic Plant Cells: Organelle Dynamics and Cell Division During Development	Upendo	Lupanga	Getting there - differential targeting of the plant V-ATPase complex	In-person
12.Epigenome and Epitranscriptome in Environmental Stress Signaling and Memory	Charles	Seller	Mechanisms enabling the regulation of the guard cell genome by a changing environment	In-person
11-Epigenetics	Pil Joon	Seo	Basic 3D chromatin architecture is determined by accessible gene borders in Arabidopsis	In-person
17_Hormonal Influence on Plant Form	Eilon	Shani	TBD	In-person
27_RNA Modifications and Their Role in Plants	Arsheed	Sheikh	m6A counteracts premature aging in plants	In-person
23_New Methods to Accelerate Plant Synthetic Biology	Patrick	Shih	Utilizing synthetic biology to expand our understanding of plant systems	In-person
34_Translational Research from Arabidopsis to Crop Plants and Beyond	Gurpinder Singh	Sidhu	From Arabidopsis to Brassica napus: Determining the regulatory control of floral transition	In-person
20_Mobile DNA and Genome Plasticity	Carl	Simmons	Combined DNA Methyltransferase and Histone Deacetylase Mutant Uncovers Novel Heterochromatic Histone Dynamics in Arabidopsis thaliana	In-person
8-Deciphering the Secrets of Microbiomes in Promoting Stress Resilience in Plants – a Strategy for Achieving Agricultural Sustainability	Siyu	Song	FER kinase and cell wall sensors LRX1/2 regulate microbiome in a phosphate dependent manner	In-person
1_A Systems Approach to Decipher Plant Cell Wall Dynamics	NANCY	SONI	Interplay between cell wall integrity and cell cycle dynamics in plant biology	In-person
30_Stress Combination: A New Frontier in Plant Sciences	Lidia	Soto Pascual	WRKY48 negatively regulates plant acclimation to a combination of high light and heat stress	In-person
23_New Methods to Accelerate Plant Synthetic Biology	Anna	Stepanova	New gene stacking system compatible with all major type IIS cloning technologies in plants	In-person
19_Long-distance Signaling in Times of Stress	Erin	Stroud	Jasmonic acid and abscisic acid modulate long-distance defence signalling in Arabidopsis thaliana	TBC
3_Arabidopsis Beyond Arabidopsis Towards Generalisable Principles in Biology	Der-Fen	Suen	Arabidopsis OMA1 generates different splicing variants encoding proteins possessing different lengths and functioning redundantly in regulating thermotolerance	In-person
6_Chemical Genetics in Arabidopsis Research: Recent advances and Applications	Yanbiao	Sun	The mobile transcription factor SPL13 controls a root apical meristem phase change by triggering oriented cell divisions	In-person
16-Genomic Features and Mechanisms of Mutation	Chandler	Sutherland	Contributions of mutation and selection to the rapid, intraspecies evolution of Arabidopsis NLRs	In-person
24_Phenotypic Plasticity in Arabidopsis thaliana Mechanisms and Evolution	Joseph	Swift	Drought stress amplifies leaf maturation transcriptional dynamics	In-person
34_Translational Research from Arabidopsis to Crop Plants and Beyond	Jenn	To	Arabidopsis research in expression element discovery for crop biotechnology applications	In-person
12.Epigenome and Epitranscriptome in Environmental Stress Signaling and Memory	Jurriaan	Ton	Primed plants don't forget: Epigenetic drivers of immune memory	Online
10_Environmental and Tissue-Specific Regulation of Plant Circadian Rhythms	Paolo Maria	Triozzi	An oxygen-sensing mechanism entrains the circadian clock in Arabidopsis	In-person
32_The Roles of Biomolecular System	Daniel	Van Damme	Order and disorder in clathrin-mediated endocytosis	In-person
9_Dynamic Plant Cells: Organelle Dynamics and Cell Division During Development	Jaimie	Van Norman	Distinct ADP-ribosylation factor-GTP exchange factors (ARF-GEFs) govern the opposite polarity of two receptor kinases	In-person
21_Molecular Mechanisms of Hormone Function	Saskia	Van Wees	Cross-communication between jasmonate and other hormones	In-person
3_Arabidopsis Beyond Arabidopsis Towards Generalisable Principles in Biology	Yoav	Voichek	Widespread position-dependent enhancers in plants	In-person
35_Visualizing the Dynamics of Cell Biology During Plant Development and Environmental Stresses	Rainer	Waadt	Cytosolic Ca ²⁺ dynamics in response to long-term NaCl stress in Arabidopsis	In-person
25_Pushing the Boundaries of Single cell omics Technologies and Applications	Justin	Walley	Single-cell proteomics differentiates Arabidopsis root cell types	In-person
2_Adaptations to Extreme Climate in Arabidopsis Extremophyte Relatives	Guannan	Wang	Cell type specific stress responses in Brassicaceae extremophytes	TBC
11-Epigenetics	Shuya	Wang	MBD2 couples DNA methylation to Transposable Element silencing during male gametogenesis	In-person
28_Robustness and Resilience: Surviving a Changing Climate	Ya-Yun	Wang	Elucidating the mechanisms of GTR1/NPF2.10-regulated root architecture under salt stress in Arabidopsis	In-person
2_Adaptations to Extreme Climate in Arabidopsis Extremophyte Relatives	Andreas	Weber	C3-C4 intermediate photosynthesis in the Brassicaceae	In-person
24_Phenotypic Plasticity in Arabidopsis thaliana Mechanisms and Evolution	Philipp	Wendering	Metabolic Modeling Identifies Determinants of Thermal Growth Responses in Arabidopsis thaliana	In-person
11-Epigenetics	Ben	Williams	DNA methylation decay is a marker of organ age in Arabidopsis	In-person

2_Adaptations to Extreme Climate in Arabidopsis Extremophyte Relatives	Samadhi	Wimalagunasekara	Convergent Evolution of Genes and Gene Networks in Brassicaceae Extremophytes Associated with Salt Stress Tolerance	In-person
4_Cell Fate Control and Organogenesis: Towards Understanding and Imaging Complex Tissues	Cara	Winter	SHORTROOT and SCARECROW dynamics reveal asymmetric division is specified early in the cell cycle	In-person
16-Genomic Features and Mechanisms of Mutation	Clair	Wootan	DNA repair under heat stress: the role of X-family DNA Polymerase	In-person
13_Evolutionary Plant Systems Biology for Climate Adaptation	Ting-Ying	Wu	PREDICT: Advancing Accurate Gene Expression Prediction and Motif Identification in Plant Stress Responses	In-person
11-Epigenetics	Jun	Xiao	NF-Y mediated dynamic PRC2 recruitment in shaping hypocotyl and grain development	In-person
21_Molecular Mechanisms of Hormone Function	Zenan	Xing	Transcriptomic characterization of ABA sensitivity demonstrates a key role for subfamily III receptors in ABA transcriptional responses	In-person
28_Robustness and Resilience: Surviving a Changing Climate	Nobutoshi	Yamaguchi	Transcription factor and chromatin-based heat memory in plants	In-person
22_MORE THAN GROWTH	LI	YANG	How microbes influence plant regeneration?	In-person
12.Epigenome and Epitranscriptome in Environmental Stress Signaling and Memory	Mark	Zander	High-throughput capture of transcription factor-driven epigenome dynamics in plant-environment interactions	In-person
34_Translational Research from Arabidopsis to Crop Plants and Beyond	Xiaolan	Zhang	Comparative view of fruit development in cucumber and Arabidopsis	Online
5_Cell-type specific responses for plant resilience to stress	Mingyuan	Zhu	Single cell and spatial transcriptomics reveal how rice root tissues adapt to soil stress	In-person
5_Cell-type specific responses for plant resilience to stress	Jie	Zhu	Spatiotemporal dynamics of plant response to bacterial infection at single-cell resolution	In-person
15_From Perception to Memory: How Plants Adapt to Climate Change	Anna	Zioutopoulou	The role of warm temperature in regulating developmental changes in Arabidopsis thaliana	In-person