

Poster Presentations

Poster No.	First Name	Last Name	Organisation	Paper Title
1	Shohreh	Askari	Aalto University	Bending and buckling of plant root hair
2	Adelin	Barbacci	Université de Toulouse	Pathogen-derived mechanical cues potentiate the spatio-temporal implementation of plant defense
3	Igor	Ceran		From Grip to Slip: How Pitcher Plants Disrupt Insect Adhesion
4	Annalene	Hansen	Aberystwyth University	Thigmomorphogenic responses: crops phenotypic and structural responses to mechanical stimulation
5	Humberto	Herrera-Ubaldo		Characterisation of the cuticle striation patterns in Hibiscus trionum petals
6	Adrien	Heymans	Umeå Plant Science Centre, Slu	Exploring growth mechanics of apical hook morphogenesis in Arabidopsis using finite element modelling.
7	Jessica	Huss	BOKU University Vienna	Survival in the desert - how cacti harvest fog droplets
8	Vinod	Kumar	Umea Plant Science Centre, Swedish University Of Agricultural Sciences	Coordination Between Mesophyll Cells and Pavement Cell Shape Acquisition in Arabidopsis Leaves
9	Salvatore	La Cavera	University of Nottingham	Phonon Microscopy Reveals Sub-Cellular Mechanical Adaptations in Rice Roots
10	Elise	Laruelle		Exploring the variability of plant cell wall mechanical properties
11	Luke	Malone	Department of Architecture	The energy absorbing behaviour of seed bearing structures
12	Sam	Mason	Imperial College London	Mapping Mechanical Input to Structural Remodelling Output in Arabidopsis Stems
13	Bhavani	Natarajan		Iridescent Petals: understanding the mechanics of nanoridge formation
14	Lazar	Novakovic	University of Leeds	Elucidating relationship between pit-field callose depositions and nanomechanical and structural cell wall properties in tomato fruits.
15	Emily	Oren	SLCU	Cell Division as a Mechanical Regulator of Arabidopsis Growth
16	Bipin	Pandey	University of Nottingham	Ethylene mediated cell wall mechanics regulate root responses in hard soils.
17	Amir	Porat		Integrating Growth, Mechanics, and Genetic Control in Plant Morphogenesis
18	Lucie	Poupardin		Biophysical study of plant's morphogenic movement

19	Mariya	Ptashnyk		Multiscale modelling and analysis of biomechanics of plant tissues
20	Prafulla	Sujatha Nagesh	University of Exeter	Biomechanics of Prey Capture in Carnivorous <i>Sarracenia flava</i> Pitcher Plants
21	Nathanael	Tan	University of Sheffield	Unravelling the structure of the guard cell wall
22	Ioannis	Theodorou	Umeå Plant Science Centre (UPSC), Department Of Plant Physiology, Umea University	Investigating the role of mechanical signals in plant cell fate decisions
23	Melissa	Tomkins		Rethinking stomatal mechanics: Insights from a new model of onion stomata
24	Haruka	Tomobe	Institute of Science Tokyo	A method for estimating Young's modulus of maize stalks using torsional vibration mode
25	Łukasz	Wiczolek	Uniwersytet Jagielloński	Damage-Resistant Plant Actuators: The Role of Cell Wall Composition and Tissue Structure in Hygroscopic Movements of Fir Cone Scales
26	Matthew	Wilson	University of Sheffield	Symplastic guard cell connections buffer pressure fluctuations to promote stomatal function in grasses
27	Gleb	Yakubov	University of Leeds	Biofluidic Microscope: An Integrated Atomic and Fluidic Force - High-Resolution Confocal Microscopy Imaging Platform
28	Argyris	Zardilis	Sainsbury Laboratory, University Of Cambridge	Influences of a microtubule mediated mechanical feedback during early stages of flower development
29	Lijun	Zhou		Iridescence in Flowers - How and Why? Insights from <i>lisa</i> mutant