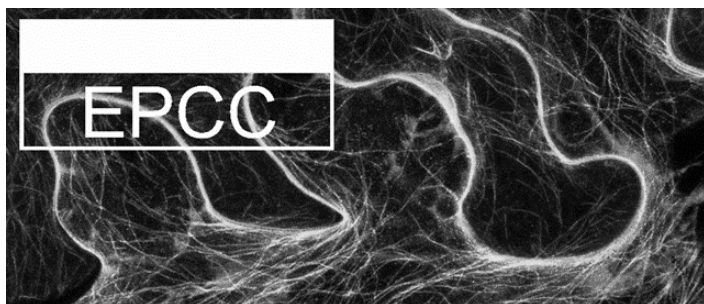




European Plant Cytoskeletal Club – Satellite Meeting

Program Wednesday, May 27, 2026

08:45 – 11:00 | SESSION I: Endomembranes & Organelles

Chairs: Katharina Bürstenbinder & Katerina Schwarzerová

09:00 Welcome Notes (Katharina Bürstenbinder & Katerina Schwarzerová)

09:20 **Patrick Duckney** (*Oxford Brookes University*)
Control of actin–membrane interactions by RabG3 via IRQ proteins

09:40 **Barbora Jelínková** (*Charles University*)
Uncovering the turbulent life of ARP2/3 in the cell cortex

10:00 **Aqsa Ahmad** (*Charles University*)
Role of plant formins in clathrin-mediated endocytosis

10:20 **Rajdeep Ghosh** (*Charles University*)
Class I formins in root development and plasmodesmata permeability

10:40 – 11:40 | Coffee Break & Poster Discussion

11:40 – 13:20 | SESSION II: Development, Evolution & Nucleus

Chair: Liam Elliot

11:40 **Henrik Buschmann** (*Hochschule Mittweida*)
On the origin of TAN and AIR9 functions in land plant cytokinesis

12:00 **Jasper Lamers** (*Wageningen University*)
Evolution and phylogeny of plant actin isoforms

12:20 **Taoran Liu** (*IPK Gatersleben*)
NCR28/AtFutsch and B-chromosome microtubule drive

12:40 **Prabal Das** (*Max Planck Institute of Molecular Plant Physiology*)
Cell wall remodeling drives leaf cell shape and packing in *Arabidopsis thaliana*

13:00 **Arvid Herrmann** (*University of Tübingen*)
Cytoskeletal coordination of stomatal symmetry and pore initiation

13:20 – 14:20 | Lunch Break & Poster Session

14:20 – 16:00 | SESSION III: Signaling & Stress

Chair: Arvid Herrmann

- 14:20 **Jozef Šamaj** (*Palacký University Olomouc*)
SIMK-MAPK signaling and microtubule organization in alfalfa
- 14:40 **Csaba Mathe** (*University of Debrecen*)
PP2A phosphatase and cortical microtubule stability in Arabidopsis
- 15:00 **Miroslav Ovečka** (*Palacký University Olomouc*)
Actin cytoskeleton in der1-3 mutant and abiotic stress response
- 15:20 **Jiang Wu** (*Karlsruhe Institute of Technology*)
VvDLK attenuates cold acclimation via microtubule remodeling and signaling
- 15:40 **Alexey Bondar** (*Institute of Plant Molecular Biology, Biology Centre CAS*)
CNGCs and their regulation by ARO

16:00 – 16:15 | Closing Remarks & Farewell

Notes

Poster presentations are limited to participants not selected for an oral talk. Oral presenters are therefore not expected to present posters.

Posters should be prepared in A1 portrait format (594 × 841 mm). Poster boards and mounting material will be provided on site. Posters will be displayed throughout the meeting and should be mounted either the evening before the EPCC satellite meeting or prior to the start of the morning session. Removal is requested after the closing remarks at 16:15.

Oral presentations should be prepared using PowerPoint or comparable presentation software in 16:9 widescreen format. Each talk is allocated 15 minutes presentation time plus 5 minutes for discussion. Chairs will strictly adhere to timing to ensure a smooth session flow.

Posters

P1 – Prashant Anand (Karlsruhe Institute of Technology, Karlsruhe, DE)

Deciphering spatiotemporal variations in plant cell wall mechanics via AFM nanoindentation

P2 – Vanessa Polet Carrillo Carrasco (ENS Lyon, Lyon, FR)

How do neighboring plant cells coordinate division orientation in tissues? An actin point of view

P3 – Om Prakash Ghimire (Clemson University, Clemson, US)

Cytoskeleton role in biomolecular condensate formation

P4 – Alla Yemets (Institute of Food Biotechnology and Genomics, Kyiv, UA)

*Ivermectin targets β -tubulin in phytopathogenic nematodes: in silico evidence and in vivo protection of *Solanum tuberosum**

P5 – Dolantina Hyka (Mediterranean University of Albania, Tirana, AL)

Integrating cybersecurity in multiscale plant cell wall research: a hybrid cyber-bio framework for robust data analysis and infrastructure

P6 – Cheryl Quek (University of Potsdam, Potsdam, DE)

Analysing the putative dual-functioning xylem-specific class-14 kinesin AT2G47500 during cytoskeleton-mediated protoxylem development

P7 – Fatima Cvrčková (Charles University, Prague, CZ)

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P8 – Pascal Oßmer (Martin-Luther-University Halle-Wittenberg, Halle, DE)

At the crossroads of actin and endocytosis – effects of the actin-stabilizing class VIII myosin ATM2 on endocytosis

P9 – Annalisa Bellandi (Wageningen University, Wageningen, NL)

The plasma membrane as a mechanotransduction element in plants

P10 – Festim Kodra (Mediterranean University of Albania, Tirana, AL)

Fintech-driven ESG accounting and valuation models for bio-based innovations: monetizing advances in plant cell wall research for sustainable finance

P11 – Mariem Boukhili (Charles University, Prague, CZ)

AtFH5 modulates actin filament dynamics in response to abiotic stress

P12 – Christophe Trehin (ENS Lyon, Lyon, FR)

Characterisation of BY-2 microtubule dynamics during the cell cycle

P13 – Helena Kočová (Charles University, Prague, CZ)

Examining the cellular localization of a class I formin using different fluorochromes

P14 – Vivian Linke (Martin-Luther-University Halle-Wittenberg, Halle, DE)

Perinuclear actin and an unidentified plastid-envelope complex cooperate to tether plastids to the nucleus in Arabidopsis thaliana

P15 – Nele Germer (Martin-Luther-University Halle-Wittenberg, Halle, DE)

Beyond the mesophyll: CHUP1, KAC1, and KAC2 govern plastid positioning across a gradient of plastid differentiation in Arabidopsis thaliana

P16 – Laiju Chandran Kalathodi (Charles University, Prague, CZ)

Cytoskeletal organisation and cellulose microfibril orientation in moss cell morphogenesis

P17 – Dipanjali Kachhap (Charles University, Prague, CZ)

At the crossroads of peroxisomes and microtubules: insights into SCO3/QWRF1

P18 – Tanguy Heesemans (Wageningen University, Wageningen, NL)

Fimbrin is a putative mechanosensitive actin bundling factor in plants

P19 – Thinh La (Karlsruhe Institute of Technology, Karlsruhe, DE)

Role of VvMAP65-1 under cold stress

P20 – Huiling Huang (Karlsruhe Institute of Technology, Karlsruhe, DE)

Role of tubulin tyrosination regulating KCH activity in pollen tube growth

P21 – Gottfried Hamm (Martin-Luther-University Halle-Wittenberg, Halle, DE)

Elucidating PIP2-mediated regulation of the actin-depolymerizing factor NtADF2

P22 – Liam Elliott (University of Bordeaux, Bordeaux, FR)

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