

## Programme

19:30 – 21:00	<b>Wednesday 10 December 2025</b> Dinner is provided at the Visitor Hostel for workshop participants arriving on Wednesday
<b>Day 1</b>	<b>Thursday 11 December 2025</b>
07:30 – 09:00	Breakfast served at the Visitor Hostel for both Visitor Hostel and Student Hostel guests
09:00 – 09:40	Registration
Session 1: <b>Light-mediated development in early land plants</b> Chair: Liam Dolan & Debojyoti Kar (part 1)	
09:40 – 10:00	<b>Welcome and introduction</b> From the Organisers: Sourav Datta, IISER Bhopal, India, and Liam Dolan, Gregor Mendel Institute, Vienna, Austria From the New Phytologist Foundation: Keith Lindsey, Chair of the New Phytologist Foundation, Maarja Öpik, <i>New Phytologist</i> Editor-in-Chief
10:00 – 10:40	1.1 Ute Hoecker, University of Cologne, Germany - Keynote <b>Function of the COP1/SPA ubiquitin ligase in plant growth and development</b>
10:40 – 11:00	1.2 Debabrata Laha, Indian Institute of Science, India <b>Molecular control of growth and development by the inositol pyrophosphate messengers in land plants</b>
11:00 – 11:10	1.3 Shubhajit Das, Institute of Science and Technology Austria (ISTA), Austria <b>TMK interacts with Phytochrome to regulate light signaling in <i>Marchantia polymorpha</i></b>
11:10 – 11:20	1.4 Zohar Meir, Gregor Mendel Institute of Molecular Plant Biology, Austria <b>Quantitative analysis of light-dependent gene regulation in <i>Marchantia</i> spores</b>
11:20 – 11:30	1.5 Priyanshi Rana, Indian Institute of Science, Bengaluru, India <b>Molecular basis of GA-independent DELLA regulation by the VIH-type inositol pyrophosphate synthase in a non-vascular land plant.</b>
11:30 – 12:00	<b>Refreshments</b>
Session 1: <b>Light-mediated development in early land plants</b> Chair: Sourav Datta & Soumitra Paul (part 2)	
12:00 – 12:20	1.6 Bharati Nandi, West Bengal State University, India <b>Light impact on plant development and evolution through geological ages – a review</b>
12:20 – 12:30	1.7 Nikhil Job, Gregor Mendel Institute of Molecular Plant Biology, Austria <b>Cryptochrome-mediated blue light signaling controls the division of <i>Marchantia</i> spores</b>
12:30 – 12:40	1.8 Riya Ghosh, Indian Institute of Science, Bengaluru, India <b>Mechanistic insights into the role of IPK1 in plant thermomorphogenesis</b>
12:40 – 12:50	1.9 Soumavo Dolui, Gregor Mendel Institute of Molecular Plant Biology, Austria <b>Identification of regulators of de-novo meristem formation in <i>Marchantia polymorpha</i></b>
12:50 – 14:00	Lunch

Session 2: <b>Blue and UV light-mediated development</b> Chairs: Keith Lindsey & Pallabi Saha	
14:00 – 14:20	2.1 John Christie, University of Glasgow, United Kingdom <b>Cracking the phototropin phosphocode: reversible phosphorylation in directional light signalling</b>
14:20 – 14:40	2.2 Yellamaraju Sreelakshmi, University of Hyderabad, India <b>Loss-of-function RUP-variants influence ubiquitin-proteasome system and enhance carotenoid and folate levels in tomato</b>
14:40 – 15:00	2.3 Shyam Masakapalli, Indian Institute of Technology Mandi, India <b>Integrative isotopic and metabolomic profiling illuminates metabolic strategies of UV-B stress adaptation in Arabidopsis</b>
15:00 – 15:10	2.5 Kunnappady Princy, University of Hyderabad, India <b>Illuminating hidden layers of light signalling: functional analysis of PHOTOTROPIN2 promoter via CRISPR/Cas9-mediated editing</b>
15:10 – 15:20	2.6 Rucha Kulkarni, University of Geneva, Switzerland <b>Role and functions of CONSTANS-LIKE B-Box family transcription factors in UVR8 signaling</b>
15:20 – 16:00	Refreshment break
Session 3: <b>Light and post translational modifications</b> Chairs: Ullas Pedmale & Shikha Suyal	
16:00 – 16:20	3.1 Riddhi Datta, Barasat Government College, India <b>Glutathione at the crossroads: integrating redox and light signals to control ethylene biosynthesis</b>
16:20 – 16:40	3.2 Moumita Srivastava, Rajiv Gandhi Centre for Biotechnology / Regional Centre for Biotechnology, India <b>Decoding the potential of post-translational modifications in fine-tuning plant growth and development</b>
16:40 – 16:50	3.3 Ira Trivedi, University of Cologne, Germany <b>Analysis of the COP1/SPA-photoreceptor complex formation in <i>Arabidopsis thaliana</i></b>
16:50 – 17:00	3.4 Annayasa Modak, IISER-Kolkata, India <b>The E3 ubiquitin ligases RDUF1 and RDUF2 control photosensory hypocotyl growth via inhibiting PIF3 and PIF4 activity in Arabidopsis</b>
17:00 – 18:00	Poster Session Odd numbered posters to present
18:45	Bus for Dinner
19:15 – 21:00	Dinner – offsite
21:00 (TBC)	Return bus to IISER

<b>Day 2</b>	<b>Friday 12 December 2025</b>
07:30 – 09:00	Breakfast served at the Visitor Hostel for both Visitor Hostel and Student Hostel guests
08:55	Opening announcements
<b>Session 4: Light-mediated regulation of root development and activity</b> Chairs: Maarja Öpik & Kavuri Venkateswara Rao	
09:00 – 09:40	4.1 Ullas Pedmale, Cold Spring Harbor Laboratory, USA - Keynote <b>Light as an architect: How light quality shapes plant structure</b>
09:40 – 10:00	4.2 Anjan Banerjee, IISER Pune, India - This talk will be pre-recorded <b>Investigating the role of miR166-HD-ZIP III module in tuber shape, colour and productivity in potato</b>
10:00 – 10:20	4.3 Santosh Satbhai, IISER Mohali, India <b>Blue light turns on iron uptake: uncovering the CRY–HY5 regulatory network in <i>Arabidopsis thaliana</i></b>
10:20 – 10:40	4.4 Eswarayya Ramireddy, IISER Tirupati, India <b>Balancing cell renewal and immunity: cytokinin regulation of root cap function</b>
10:40 – 10:50	4.5 Surjit Singh, Sister Nivedita University, India <b>Epigenetic and molecular mechanisms of iron deficiency response: implications for light-regulated development in plants</b>
10:50 – 11:00	4.6 Debojyoti Kar, IISER Bhopal, India <b>Light promotes and dark inhibits aluminium resistance in <i>Arabidopsis</i></b>
11:00 – 11:30	Refreshment break
<b>Session 5: Crosstalk between light and temperature signaling</b> Chairs: Ikram Blilou & Neha Singh	
11:30 – 11:50	5.1 Annapurna Devi Allu, IISER Tirupati, India <b>Priming-mediated molecular circuits regulating plant stress responses</b>
11:50 – 12:10	5.2 Kishore Panigrahi, NISER, Bhubaneswar, India <b>A novel insight into light and temperature mediated plant development by Auxin Binding Protein 1</b>
12:10 – 12:30	5.3 Chandan Sahi, IISER Bhopal, India <b>Aggregate remodeling JDPs of <i>Arabidopsis thaliana</i></b>
12:30 – 12:40	5.4 Shubhi Dwivedi, IISER Bhopal, India <b>Role of BBX protein as a molecular player in PIF4-HY5 crosstalk during thermomorphogenesis</b>
12:40 – 12:50	5.5 Shashank Kumar Singh, Indian Institute of Technology Gandhinagar, India <b>Unravelling the dynamics of plant circadian rhythms: integrating light intensity and temperature effects for seasonal adaptation in <i>Arabidopsis</i></b>
12:50 – 13:00	5.6 Ramyani Bhattacharjee, St Edmunds College / North Eastern Hill University, India <b>Photoreceptor-mediated regulation of starch metabolism and crop productivity</b>
13:00-14:00	Lunch

Session 6: <b>Light regulation of metabolic pathways</b> Chairs: Ute Hoecker & Arpan Mukherjee	
14:00 – 14:20	6.2 Himabindu Kilambi, NISER, India <b>A combination of regulatory processes driving anthocyanin accumulation in <i>Abg</i> tomato mutant</b>
14:20 – 14:40	6.3 Aditi Gupta, CSIR-NBRI, Lucknow, India – This talk will be pre-recorded <b>BRL3 at the crossroads of growth and climate adaptation</b>
14:40 – 14:50	6.5 Ajar Anupam Pradhan, IISER Bhopal, India <b>A light regulated <i>Arabidopsis</i> MATE transporter regulates the root hair development under low phosphate stress</b>
14:50 – 15:00	6.6 Pooja Jakhar, IISER Mohali, India <b>Shedding light on iron nutrition: light mediated regulation of Iron homeostasis in <i>Arabidopsis thaliana</i></b>
15:00 – 15:20	Group Photo
15:20 – 16:00	Refreshment break
Session 7: <b>Role of light in chloroplast development and greening</b> Chairs: John Christie & Shubhi Dwivedi	
16:00 – 16:20	7.1 Sreeramaiah Gangappa, IISER Kolkata, India <b>The transcription factor PIF3 controls photo-thermosensory growth in <i>Arabidopsis</i></b>
16:20 – 16:40	7.2 Naresh Loudya, Indian Institute of Science, Bengaluru, India <b>Understanding chloroplast development: identification and characterization of the <i>CUE6</i> gene in <i>Arabidopsis</i></b>
16:40 – 17:00	7.3 Yogesh Mishra, Banaras Hindu University, India <b>Do growth chambers mimic nature? A systems biology perspective on plant light responses</b>
17:00 – 17:10	7.4 Priyanka Mishra, Indian Institute of Science, Bengaluru, India / Royal Holloway, University of London, United Kingdom <b>An ARF2-GRF5 module, operating early, indicates genetic hierarchy during chloroplast biogenesis</b>
17:10 – 17:20	7.5 Arpan Mukherjee, IISER Bhopal, India <b>Functional characterization of BBX15 during early seedling development in <i>Arabidopsis</i></b>
17:20 – 17:30	7.6 Ritu Godara, CSIR-IHBT, Palampur, India <b>Plastidial-oxylipins mediated priming couples light acclimation and defence governing plant development</b>
17:30 – 18:30	<b>Publishing workshop</b>
18:30 – 19:30	Poster session Even numbered posters to present
19:30	Dinner

<b>Day 3</b>	<b>Saturday 13 December 2025</b>
07:30 – 09:00	Breakfast served at the Visitor Hostel for both Visitor Hostel and Student Hostel guests
08:55	Opening announcements
Session 8: <b>Light regulation of reproductive development and non-model plants</b> Chairs: Nathalie Verbruggen & Ajar Anupam Pradhan	
09:00 – 09:20	8.1 Rishikesh Bhalerao, Umea Plant Science Center, Sweden <b>CRY2-interacting CIB mediates photoperiodic control of bud break in hybrid aspen trees</b>
09:20 – 09:40	8.2 Antony Dodd, John Innes Centre, United Kingdom <b>Circadian regulation and signal transduction</b>
09:40 – 10:00	8.3 Jay Prakash Maurya, Banaras Hindu University, Varanasi, India <b>Genetic framework mediating the photoperiodic control of shoot architecture development and seasonal growth in perennial plants</b>
10:00 – 10:10	8.4 Sukriti, CSIR-IHBT, Palampur, India <b>Integration of light and temperature signals by <i>AtFPF</i> drives floral transition in <i>Arabidopsis</i></b>
10:10 – 10:20	8.5 Shambhavi Dwivedi, CSIR-CIMAP, Lucknow, India <b>NtHY5 acts systemically to control light-responsive nicotine transport in tobacco</b>
10:20 – 10:40	8.6 Vivek Dogra, CSIR-IHBT, Palampur, India <b>Investigating stress sensors in chloroplasts and their signaling mechanisms, shaping responses toward light and related stressors in non-model plants</b>
10:40 – 10:50	8.7 Shweta Pawar, IIT Mandi, India <b>Metabolic responses of red and green <i>Amaranthus tricolor</i> to distinct light wavelengths</b>
10:50 – 11:30	Refreshment break
Session 9: <b>Developmental regulation by light and hormones</b> Chairs: Ant Dodd & Somdatta Roy	
11:30 – 11:50	9.2 Kalika Prasad, IISER, Pune, India <b>Cortical microtubule dynamics regulate cell fate transition to promote reunion between physically disconnected tissues</b>
11:50 – 12:00	9.3 Dipan Roy, Durham University, United Kingdom <b>Redox-regulated Aux/IAA multimerisation modulates auxin responses</b>
12:00 – 12:40	9.4 Ikram Blilou, KAUST, Saudi Arabia - Keynote <b>Molecular insights into developmental adaptations to the environment</b>
12:40 – 13:00	Closing remarks
13:00 – 14:00	Lunch
13:45 – 18:00	Post symposium tourist visit to the Madhya Pradesh <a href="#">Tribal museum</a> and lakeside
19:30 – 21:00	Dinner served at the Visitor Hostel for both Visitor Hostel and Student Hostel guests staying Saturday night
	<b>Sunday 14 December</b>
	Breakfast for Visitor Hostel guests served at the Visitor Hostel Student Hostel guests will have breakfast at Mess 6

This is the finalised programme, however, this may be subject to minor changes in the event of unforeseen circumstances.'