

Programme

10 December, Monday

All talks will take place in the tiered lecture theatre. Refreshments are provided in the bar/lounge area and meals in the adjacent restaurant. Posters are in **Space 41**. All rooms are located within the same building.

| | |
|--|--|
| 0815 – 0900 | Registration in Scarman Conference centre, next to reception. |
| 0900 – 0910 | President's welcome Murray Grant (University of Warwick, UK) |
| Session 1: Infection and Pathogen Proliferation (<i>moderator</i> Murray Grant) | |
| 0910 – 0940 | Investigating the biology of plant tissue invasion by the rice blast fungus <i>Magnaporthe oryzae</i> Nicholas Talbot (The Sainsbury Lab, UK) |
| 0940 – 0950 | Exploration of the biotroph to necrotroph transition in the ash dieback fungus <i>Hymenoscyphus fraxineus</i> John Mansfield (Imperial College, UK) |
| 0950 – 1015 | Studies on <i>Zymoseptoria tritici</i> : the dimorphic switch and hyphal growth in wheat infection Gero Steinberg (University of Exeter, UK) |
| 1015 – 1030 | Potato virus Y was detected outside the cell death zone in the hypersensitive response-conferred resistance Tjaša Lukan (NIB, Slovenia) |
| 1030 – 1050 | B R E A K |
| Session 2: Cellular Communication and Subcellular Imaging (<i>moderator</i> Petra Boevnik) | |
| 1050 – 1120 | Inter-organelle communication during innate immunity Savithamma Dinesh-Kumar (UC Davis, US) |
| 1120 – 1140 | Molecular arms race across the plant-pathogen interface: how the Irish potato famine pathogen subverts plant focal immunity Tolgar Bozkurt (Imperial College, UK) |
| 1140 – 1200 | Specialised receptor signalling in plasmodesmal membranes Christine Faulkner (John Innes Centre, UK) |
| 1200 – 1220 | Intercellular communication in systemic acquired resistance Pradeep Kachroo (University of Kentucky, US) |
| 1220 – 1230 | <i>NbMORF8</i> encodes a protein localized in mitochondria and chloroplasts and negatively regulates plant immunity to <i>Phytophthora</i> pathogens Yang Yang (Northwest A&F University, China) |
| 1230 – 1400 | BSPP AGM (1230-1300, members only) AND LUNCH |

| Session 3: Emerging Technologies (<i>moderator</i> Darrell Desvaux) | |
|---|--|
| 1400 – 1425 | Uncovering the dynamics of plant-microbe interactions by imaging effector delivery, using the GFP-strand system Signe Lolle (UC Davis, US) |
| 1425 – 1455 | Fluorescent sensing of subcellular plant physiology and pathology <i>in vivo</i> Markus Schwarzländer (University of Munster, Germany) |
| 1455 – 1525 | Studying the evolution of macromolecular machines using high-throughput electron cryo-tomography Morgan Beeby (Imperial College, UK) |
| 1525 – 1535 | Using Raman micro-spectroscopy to monitor the metabolic activity of plant pathogenic bacteria <i>Pseudomonas syringae</i> Nattapong Sanguankiattichai (University of Oxford, UK) |
| 1535 – 1600 | B R E A K |
| Session 4: PH Gregory Award (<i>moderator</i> Dawn Arnold) | |
| 1600 – 1745 | Laura Baggaley ; Tom Chaloner ; Cian Duggan ; Jessica Erikson ; Trupti Gaikwad ; Anna Gonzalez-Gil ; Guiyan Huang |
| Poster Session and Reception | |
| 1800 – 1930 | Posters will be displayed in Space 41 , accompanied by drinks and canapés |

Conference Dinner begins at 1930. PH Gregory and JH Colhoun award winners will be announced.

Tuesday, 11 December

All talks will take place in the tiered lecture theatre. Refreshments are provided in the bar/lounge area and lunch in the adjacent restaurant. Career Chat sessions (30 mins) will be held in **Space 41** (poster room) during lunch time and are aimed at postgraduates and early career researchers.

| Session 5: Large Scale Imaging for Plant Health (<i>moderator</i> Mike Csukai) | |
|--|--|
| 0900 – 0930 | Seeing is believing: imaging disease progression during plant-pathogen interactions Darrell Desveaux (University of Toronto, Canada) |
| 0930 – 0940 | Targeted detection of <i>Zymoseptoria tritici</i> in wheat Christopher Adams (Imperial College, UK) |
| 0940 – 0950 | Benchmarking plant defence priming agents by hyperspectral imaging Mustafa Yassin (University of Sheffield, UK) |
| 0950 – 1005 | Use of chlorophyll fluorescence Imaging to phenotype type 3 effectors impacts of <i>Xanthomonas</i> on leaves Valerian Méline (INRA, France) |
| Presidential address | |
| 1005 – 1040 | A botanist turned molecular biologist masquerading as a plant pathologist Murray Grant (University of Warwick, UK) |
| 1040 – 1105 | B R E A K |

| Session 6: Immunity Strategies and Uncoupling Immunity (<i>moderator Sarah Gurr</i>) | |
|---|--|
| 1105 – 1135 | Targeting to a non-conventional secretory pathway by the conserved RXLR motif is essential for translocation of <i>Phytophthora</i> RXLR effectors Petra Boevink (James Hutton Institute, UK) |
| 1135 – 1155 | Coupling of the plant cytoskeleton to trafficking at sites of immune response Mike Deeks (University of Exeter, UK) |
| 1155 – 1210 | Visualizing <i>Pseudomonas syringae</i> -host interactions in the antosphere and the plant-vascular system Riccardo Soldan (University of Oxford, UK) |
| 1210 – 1230 | Immunity-induced root growth inhibition is mediated by cell cycle arrest Patrick Schäfer (University of Warwick, UK) |
| 1230 – 1345 | CAREER CHATS AND LUNCH |
| Session 6: cont. (<i>moderator Ralph Dean</i>) | |
| 1345 – 1400 | Effect of the <i>Leptosphaeria maculans</i> effector gene <i>AvrLm1</i> on <i>Rlm7</i> -mediated defence responses in oilseed rape Henrik Stotz (University of Hertfordshire, UK) |
| 1400 – 1410 | New insights into the infection process of <i>Fusarium fujikuroi</i> in rice using a GFP expressing isolate Maria Aragona (Council for Agricultural Research and Economics, Italy) |
| 1410 – 1420 | <i>Fusarium graminearum</i> effectors: identification and characterisation of three small secreted proteins which contribute towards fungal virulence Catherine Walker (Rothamsted Research, UK) |
| Session 7: RKS Wood award | |
| 1420 – 1430 | Introduction to 2018 Winner Sarah Gurr (University of Exeter, UK) |
| 1430 – 1500 | Standing on the shoulders of RKS Wood: from physiological to molecular plant pathology Bart Thomma (Wageningen University, Netherlands) |
| 1500 | END |