

Programme

Monday 18 September

08:00–8:45 **Registration**

08:45–9:00 **Welcome & Introductions**, I Alexander, N Talbot & F Martin

Session 1: Fungal Structure & Development

Chairperson: J Taylor, University of California, Berkeley, CA, USA

09:00–9:35 **1.1. Spatial control of mitosis in *Ashbya gossypii***
A Gladfelter, Dartmouth College, Hanover, NH, USA

09:35–10:10 **1.2. Through the looking-glass: dynamic imaging of living fungal cells**
P Hickey, LUX Biotechnology Ltd., UK

10:10–10:40 Coffee break

10:40–11:15 **1.3. Electron tomography and its application to revealing fungal cytoplasmic order**
R Roberson, Arizona State University, USA

11:15–11:50 **1.4. Woronin body genesis provides new insights into the molecular and cellular organization of the fungal colony**
G Jedd, National University of Singapore, Singapore

11:50–12:25 **1.5. Endocytic recycling in growth and pathogenicity of *Ustilago maydis***
U Fuchs, Max-Planck-Institute for Terrestrial Microbiology, Marburg, Germany

12:30–14:00 Lunch

Session 2: Fungal genomics: from sequence to application

Chairperson: N Talbot, University of Exeter, UK

14:00–14:35 **2.1. Comparative analysis of *Aspergillus* genomes**
A Rokas, Broad Institute of MIT & Harvard, Cambridge, MA, USA

14:35–15:10 **2.2. Examination of the role of gene content and gene expression in the virulence of *Cryptococcus* species**
J Kronstad, University of British Columbia, Vancouver, BC, Canada

15:10–15:45 **2.3. Structural and functional analysis of fungal pathogenesis: the rice blast fungus genome project**
RA Dean, North Carolina State University, Raleigh, NC, USA

15:45–16:20 **2.4. Post-genomics and functional analysis of *Neurospora crassa***
K Borkovich, University of California Riverside, CA, USA

16:20–19:00 Coffee Break & **Posters**

19:00–21:00 **Cocktail reception**

Tuesday 19 September

Session 3 : Fungal genomics : from sequence to application II

Chairperson : S Oliver, University of Manchester, UK

- 09:00–9:35 **3.1. Two b or not two b: regulatory cascades during pathogenic development of the smut fungus *Ustilago maydis*.**
J Kämper, Max-Planck-Institute for Terrestrial Microbiology, Marburg, Germany
- 09:35–10:10 **3.2. The visible touch: Plant protein-protein interactions during host cell entry by powdery mildew fungi.**
R Panastruga, Max-Planck-Institute for Plant Breeding, Köln, Germany
- 10:10–10:40 Coffee break
- 10:40–11:15 **3.3. The genome of the white rot Basidiomycete *Phanerochaete chrysosporium*: implications relevant to wood decay mechanisms**
D Cullen, USDA Forest Products Laboratory, Madison, WI, USA
- 11:15–11:50 **3.4. The genome of the symbiotic basidiomycete *Laccaria bicolor*: Soil ecology, evolution and metabolism**
F Martin, INRA-Nancy, France
- 11:50–12:30 **Posters**
- 12:30–14:00 Lunch

Session 4: Secretion & transport systems

Chairperson: K Mendgen, University of Konstanz, Germany

- 14:00–14:35 **4.1. Characterization of secreted proteins from *Magnaporthe oryzae***
D Ebole, Texas A&M University, College Station, TX, USA
- 14:35–15:10 **4.2. Functional genomics of transporters in symbiotic fungi**
M Chalot, University of Nancy, France
- 15:10–15:45 **4.3. Haustoria and their roles in biotrophy**
R Vögele, University of Konstanz, Germany
- 15:45–16:30 Coffee Break & **Posters**
- 16:30–17:30 **Discussion Session:** Post-genomics challenges (Leader: N Talbot)
- 19:00–22:00 **Apéritif & Conference Dinner (Hôtel de Ville – Stanislas Square)**
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Wednesday 20 September

Session 5: Metabolomics

Chairperson: J Aguirre, National University of Mexico

- 09:00-9:35 **5.1. Metabolomics in yeasts and filamentous fungi**
S Oliver, University of Manchester, UK
- 09:35-10:10 **5.2. Determining the molecular basis of appressorium turgor generation in the rice blast fungus *Magnaporthe grisea***
N Talbot, University of Exeter, UK
- 10:10–10:40 Coffee break
- 10:40–11:15 **5.3. Fungal genomics and secondary metabolites: signals for host plants**
MH Lebrun, CNRS–Bayer crop science, Lyon, France
- 11:15–12:00 **Concluding Keynote Address: Evolutionary variation and comparative genomics**
J Taylor, University of California, Berkeley, CA, USA
- 12:00–12:15 **Concluding Remarks**
J Aguirre, National University of Mexico
- 12:30–14:00 Lunch
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