SCIENTIFIC PROGRAM

Thursday 25 September 2008

First session

COMPARATIVE GENOMICS

Chair: Linda Kohn / Marc-Henri Lebrun

9:00 **Celedonio González**. Wellcome.
9:10 **Nicholas J. Talbot**. What have we learned from sequencing fungal and oomycete genomes?
9:50 **Marc-Henri Lebrun**. Whole genome sequencing of the fungal plant pathogens *Botrytis cinerea* and *Sclerotinia sclerotiorum*.
10:20 **Christina Cuomo**. Comparative genomics of *Sclerotinia sclerotiorum* and *Botrytis cinerea*.

11:00 Coffee break.

11:30 **Michael R. Thon**. Gene Family Evolution in *Botrytis cinerea* and *Sclerotinia sclerotiorum.*
11:50 **Linda Kohn**. Evolution on three scales: A Leotiomycete-eye view of *Botrytis* and *Sclerotinia*, a mind's eye-view of ecological speciation and MAT-locus evolution, and a genome-wide SNP-view of recombination in *Sclerotinia sclerotiorum*.
12:30 **Pedro Coutinho**. Carbohydrate-active enzymes in *Botrytis* and *Sclerotinia* genomes: expert annotation and analysis.

13:00 Lunch.

Second session

GENE FAMILIES

Chair: Muriel Viaud / Jan van Kan

14:30 **Jan van-Kan**. Secreted protein-encoding gene families in *Botrytis cinerea*.
15:00 **José J. Espino**. Preliminary analysis of *Botrytis cinerea* secretome during first stages of infection.
15:20 **Francisco J. Fernández-Acero**. A proteomic approach to cellulose degradation by *B. cinerea*.

15:40 Coffee break.

16:10 **Muriel Viaud**. Investigating secondary metabolism genes in *B. cinerea* and *S. sclerotiorum* genomes reveals a high potential for sesquiterpenes biosynthesis in the grey mould fungus.
16:40 **Géraldine Mey**. Mechanisms of regulation of amino acid transport and metabolism in phytopathogenic fungi.
17:00 **Yumiko Sakuragi**. *Botrytis* secretes arabinan-degrading activities that may play a role in pathogenesis.

Friday 26 September 2008

Third session

PATHOGENICITY

Chair: Marty Dickman / Paul Tudzynski

9:00 **Paul Tudzynski**. Pathogenicity determinants in *Botrytis cinerea*.
9:30 **Marty Dickman**. *Sclerotinia sclerotiorum* subverts host pathways by inducing programmed cell death for disease development.
10:10 **Francesca L. Stefanato**. Oxaloacetate Acetyl Hydrolase is responsible for oxalic acid production in *Botrytis cinerea* and required for lesion expansion on some, but not on most host plants.
10:30 **Juan Luis Turrión-Gomez**. Nitric oxide production in *Botrytis cinerea*.
10:50 **Judith Noda**. The necrotizing activity of *Botrytis cinerea* endo-ß-1,4-xylanase Xyn11A.

11:10 Coffee break.

11:40 **Henk-jan Schoonbeek**. The ABC-transporter BcatrB protects *Botrytis cinerea* against camalexin and is a virulence factor on *Arabidopsis*.
12:00 **Jens Heller**. Identification of BcSak1 regulated genes during oxidative stress and functional characterization of *bop1*, as one target gene of BcSak1
12:20 **Amir Sharon**. Bioinformatics and functional analyses of *Botrytis* IAP-like protein.
12:40 **Maria R. Davis**. Enolase, a cAMP regulated, multifunctional protein is upregulated during cold stress in *B. cinerea*.

13:00 Lunch.

Fourth session

SIGNALLING AND DEVELOPMENT

Chair: Bettina Tudzynski / Jeffrey Rollins

14:30 **Jeffrey Rollins**. Genome-wide transcriptome profiling of early sclerotial and apothecial disc development.
15:10 **Bettina Tudzynski**. Signalling pathways and their role in developmental processes and virulence of *Botrytis cinerea*.
15:40 **Julia Schumacher**. Heterotrimeric G protein-mediated Signalling in *B. cinerea* –A Never-ending Story–.
16:00 **Karin Harren**. Does the Gα subunit BCG1 affect Bcmp1 expression via PacC-dependent pH-regulation?

16:20 Coffee break.

16:50 **Nora Temme**. The transcription factor Bap1 or the role of H_2O_2 degradation during plant infection in *Botrytis cinerea.*
17:10 **Leonie B. Kokkelink**. The small GTPases BcRAS1 and BcRAC are linked to the stress activated MAPK cascade in *Botrytis cinerea.*
17:30 **Sabine Fillinger**. Expression analysis of stress-related genes in signal transduction mutants.
17:50 **Michaela Leroch**. Complex signalling pathways that control germination and infection of *Botrytis cinerea*.

Saturday 27 september 2008

Fifth session

RESEARCH TOOLS / FUNGICIDE RESISTANCE

Chair: Matthias Hahn / Sabine Fillinger

9:00 **Joëlle Amselem**. The fungal genomic annotation platform.
9:30 **Oliver Windram**. Network Inference following gene expression profiling in host and pathogen during *Botrytis cinerea* infection.
9:50 **Maggie Levy**. Efficient Gene Replacement and Direct Hyphal Transformation in *Sclerotinia sclerotiorum*.
10:10 **Adeline Simon**. Transcriptome of *Botrytis cinerea* and *Sclerotinia sclerotiorum*.

10:30 Coffee break.

11:00 **Sabine Fillinger**. Use of replicative genomic libraries to clone fungicide resistance alleles.
11:20 **Matthias Hahn**. About ABC transporters and map-based cloning: Molecular mechanisms of multidrug resistance in *Botrytis.*
12:00 **Alexis Billard**. Fenhexamid resistance in the phytopathogenic fungus *Botrytis cinerea*.
12:20 Concluding remarks.
12:30 Free time / Genome paper meeting.

13:00 Lunch