

The Sixth International *Aspergillus* Meeting

"Asperfest"

March 15-17, 2009
Asilomar Conference Center

All sessions in the Chapel

March 15, Sunday

3:00- 6:00 **Registration**

6:00 **Dinner**

7:00-9:00 **Welcome Reception—Sponsored by Verenium** **Chapel**

March 16, Monday

7:30-9:00 **Breakfast**

9:00-9:20 **Welcome, introductions and announcements**

AGRPC Chair: Michelle Momamy

Session I:

9:20-10:00 **Metabolic Pathways and the Metabolome**
Chair: Masayuki Machida

Jens Nielsen (Chalmers Biocenter, Chalmers University of Technology, Göteborg, Sweden)

"The metabolic networks of *Aspergilli*"

Jens C. Frisvad, Christian Rank and Thomas O. Larsen, (Department of Systems Biology, Technical University of Denmark)

"*Aspergillus* exometabolomics: a link to the perfect states?"

10:00-10:30 **Coffee Break**

10:30-11:10 **Metabolic Pathways and the Metabolome (continued)**

Masanori Arita (Frontier Sciences, University of Tokyo)

"Metabolic Pathway Analysis using Wiki"

Berl Oakley and Clay Wang, (University of Kansas and University of Southern California)

"Secondary metabolism and metabolomics in *Aspergillus nidulans*"

Session II:

11:10-11:50 **Comparative Genomics and Databases**

Chair: Scott Baker

Jennifer Wortman (Univ. of Maryland School of Medicine, Baltimore MD)

"The *Aspergillus* Genome Database (AspGD), a curated database of *Aspergillus* gene, protein, and genomic sequence information for the fungal research community"

Jane Mabey Gilsenan (University Hospital of South Manchester, Manchester, UK)

"CADRE, *Aspergillus* Genomes and the *Aspergillus* Cloud"

12-1:00 **Lunch**

1:00-1:40 **Session III: Comparative Genomics and Databases (continued)**

Chair: Scott Baker

Mikael Andersen (Technical University of Denmark, Lyngby, Denmark)

"Systems biology- based analysis of the response of *Aspergillus niger* to ambient pH"

Kevin McCluskey (Fungal Genetics Stock Center, University of Missouri- Kansas City, Missouri, USA)

"*Aspergillus* at the FGSC"

Scott Baker (US DOE, Pacific Northwest National Laboratory, Richland, Washington, USA)

"A summary of *Aspergillus* genomics"

1:40-2:40 **Session IV: Genetics and Cell Biology**

Chair: Gerhard Braus

Iran Malavazi (University of Sao Paulo, Brazil)

"Factors influencing the calcineurin-crzA pathway in the *Aspergillus fumigatus* pathogenesis and virulence."

Jo Strauss (University of Natural Resources and Applied Life Sciences, Boku Vienna, Austria)

"Epigenetics in *Aspergillus*"

S. Bergmann (Department of Molecular and Applied Microbiology, Leibniz Institute for Natural Product Research and Infection Biology - Hans-Knöll-Institute, Jena, Germany)

"Activation of silent gene clusters in *Aspergillus nidulans*."

2:40-3:10 **Community Directions Discussion**

Chair: Michelle Momany

3:10-3:45 **Coffee Break**

Session V:

3:45-4:45 **Talks selected from Abstracts**
Chair: Gustavo Goldman

Marcia Kress, Department of Molecular Microbiology and Genetics, Georg August University, Göttingen – Germany.

"The importance of E3 ubiquitin ligase SCF complexes for the development of the mold *Aspergillus nidulans*"

Srisombat Puttikamonkul (Department of Veterinary Molecular Biology, Montana State University, Bozeman, MT, USA)

"The Trehalose Pathway is critical for *Aspergillus fumigatus* virulence."

Natalie D. Fedorova, (J. Craig Venter Institute, Rockville, MD, USA)

"SMURF: a web tool for genomic mapping of secondary metabolite clusters"

Peter J. Punt, (TNO Quality of Life, P.O. Box 360, 3700 AJ Zeist, The Netherlands)

"Characterization of the *Aspergillus niger prtT*, a unique regulator of extracellular protease encoding genes."

5:00-6:00 **Pontecorvo Lecture: Herbert N Arst, Imperial College, London**
Introduction: Jennifer Wortman

6:00-7:00 **Dinner**

7:00-10:00 **Posters and drinks**
Poster session and outstanding student poster
-sponsored by Novozymes

March 17, Tuesday

7:30-9:00 **Breakfast**

Session VI:

9:00-10:00 **Medical Mycology**
Chair: Arthur Ram

Céline M. O'Gorman (University College Dublin, Ireland)

"Sex in Dublin City - *Aspergillus fumigatus* reveals its secret!"

Judith Behnsen (Leibniz Institute for Natural Product Research and Infection Biology, Jena, Germany)

"Interaction of *Aspergillus fumigatus* with the human complement system."

Gregory S. May (Division of Pathology and Laboratory Medicine, University of Texas MD Anderson Cancer Center Houston, TX USA)

"Fungal genetic response to the host."

10:00-10:15 Elections

10:15-10:30 Coffee Break

Session VII:

10:30-11:30 What makes a pathogen? Chair: Joan Bennett

Maren Klich (USDA/ARS, New Orleans, LA, USA)

"Medically important species of *Aspergillus*"

Robert Cramer (Montana State University, Bozeman, MT, USA)

"*Aspergillus fumigatus* metabolism: clues to mechanism of opportunistic pathogenesis"

Gary Payne (North Carolina State University, Raleigh, NC, USA)

"Possible virulence factors differentially expressed in *Aspergillus flavus* during infection"

11:30 Announce election results and take any further discussion
Announce winner of student poster award
--Sponsored by Novozymes

12:00-1:00 Lunch