Preliminary Programme

4th Conference on Physiology of Yeast and Filamentous Fungi
1-4 June 2010, Rotterdam

Tuesday, 1 June 2010

16.30	**Registration**
17.30	**Opening reception** in World Trade Center's Townhall Room at 23th floor
19.00	**Closing**

Wednesday, 2 June 2010

08.00	**Registration**
08.45	**Opening**
	Session 1 - From genome sequence to physiology Chairman: Diethard Mattanovich
09.00	***Invited lecture*** **Jens Nielsen** What do genome sequences bring to fungal systems biology*?* *Chalmers University, Gothenburg, Sweden*
09.35	**Silvie Dequin** The diploid genome sequence of the yeast EC1118 provides clues for understanding the adaptation of *Saccharomyces cerevisiae* to wine fermentation *INRA, Montpellier, France*
09.55	**Cees Sagt** Effective lead selection for improved protein production in *Aspergillus niger* based on integrated genomics *DSM, Delft, The Netherlands*
10.15-10.45	***Coffee / Tea Break***
10.45	***Invited lecture*** **Francis Martin** Symbiont inventions – Genomes of the basidiomycete *Laccaria* bicolor and the ascomycete *Tuber melanosporum* reveal evolutionary insights into ectomycorrhizal symbiosis *INRA/University of Nancy, France*
11.20	**Steve Swinnen** Artificial molecular markers as a tool for genetic linkage mapping in *Saccharomyces cerevisiae* *KULeuven/VIB, Heverlee, Belgium*

11.40	**Jette Thykaer** PH-responding transcription factors in *Aspergillus niger* – the key to efficient cell factories? *Center for Microbial Biotechnology, Lyngby, Denmark*
12.00-14.00	***Lunch & poster session (all numbers)***
	Session 2 - Differentiation and evolutionary adaptation Chairman: Jean-Marie François
14.00	***Invited lecture*** **Reinhard Fischer** Cytoskeleton and polarized growth *University of Karlsruhe, Germany*
14.35	**Jean-Marie Francois** Cell-cycle stage specific metabolic regulation during meiotic development in yeast *University Toulouse, Toulouse, France*
14.55	**Katty Goossens** Binding characterisation of the *Saccharomyces cerevisiae* flocculation protein Flo1p: Flo1p – Flo1p and Flo1p – mannose carbohydrate interactions *VUB, Brussel, Belgium*
15.15-15.45	***Coffee / Tea Break***
15.45	***Invited lecture*** **Kevin Verstrepen** Mechanisms underlying swift evolution and adaptation in yeast *Catholic University of Leuven & VIB Lab for Systems Biology, Louvain, Belgium*
16.20	**Natalie Braithwaite** Functional genomics and cAMP signalling in filamentous growth of *Schizosaccharomyces pombe* *University of Sussex, Brighton, United Kingdom*
16.40	**Patricia VanKuyk** Spatial differentiation of mannitol dehydrogenase and mannitol-1-phosphate dehydrogenase explains the absence of a mannitol cycle in *Aspergillus niger* *Leiden University, Leiden, The Netherlands*
17.00	**End**

Thursday, 3 June 2010

	Session 3 - Ultrastructure and compartmentation Chairman: Jack Pronk
09.00	***Invited lecture*** **Jean-Paul Latgé** Cell wall remodeling in yeast and filamentous fungi *Institute Pasteur, Paris, France*
09.35	**Alice Sorgo** Dynamics of the *Candida albicans secretome* revealed by mass spectrometry *University of Amsterdam, Amsterdam, The Netherlands*
09.55	**Thiago Basso** Relocation of sucrose metabolism in *Saccharomyces cerevisiae* to improve bioethanol production *Delft University of Technology, Delft, The Netherlands*
10.15-10.45	***Coffee / Tea Break, sponsored by Royal Nedalco***
10.45	***Invited lecture*** **Ida van der Klei** Engineering yeast for the production of antibiotics *Groningen University, The Netherlands*
11.20	**Marizela Delic** Monitoring intracellular redox conditions in the endoplasmic reticulum of living yeasts *University of Natural Resources and Applied Life Sciences, Vienna, Austria*
11.40	**Gertien Smits** Genome-wide analysis reveals intracellular pH of yeast as a physiologically dynamic but genetically tightly controlled cellular property *Swammerdam Institute for Life Sciences, University of Amsterdam, Amsterdam, The Netherlands*
12.00-14.00	***Lunch & poster session (odd numbers)***
	Session 4 - Signalling and regulation Chairman: Gerhard Braus
14.00	***Invited lecture*** **Mark Johnston** A reticulated regulatory network governing glucose acquisition *University of Colorado-Denver, USA*
14.35	**Bas Teusink** Fatal attraction in yeast glycolysis: new surprises in an old lady *VU University Amsterdam, Amsterdam, The Netherlands*
14.55	**Marta Rubio-Teixeira** Specific dipeptides induce persistent signaling and deficient vacuolar sorting of the yeast amino acid transceptor Gap1 *Department of Molecular Microbiology, VIB, Heverlee-Leuven, Belgium*

15.15-15.45	***Coffee / Tea Break***
15.45	***Invited lecture*** **David Archer** Regulation of the unfolded protein response in fungi *University of Nottingham, United Kingdom*
16.20	**Evy Battaglia** Understanding fungal regulatory networks by studying the physiological effects of disruptions of the regulators AraR, XlnR and CreA *Utrecht University, Utrecht, The Netherlands*
16.40	**Klaus Gori** Production of alcohols and their role in biofilm formation and sliding motility of the dairy-important yeast *Debaryomyces hansenii* *University of Copenhagen, Frederiksberg, Denmark*
18.00	**Embarkation for Symposium dinner on boat tour through Rotterdam harbour**
22.30	**End**

Friday, 4 June 2010

	Session 5 - Metabolic engineering and synthetic biology Chairman: Eckhard Boles
09.00	***Invited lecture*** **John McBride** Engineering *Saccharomyces cerevisiae* for cellulose degradation *Mascoma Corporation, Lebanon NH, USA*
09.35	**Valeria Mapelli** Metabolism of selenium in *Saccharomyces cerevisiae* and improved biosynthesis of bioactive organic Se-compounds *Chalmers University of Technology, Göteborg, Sweden*
09.55	**Victor Guadalupe Medina** Elimination of glycerol formation in anaerobic yeast cultures via introduction of a linear pathway of acetic acid reduction *Delft University of Technology, Delft, The Netherlands*
10.15-10.45	***Coffee / Tea Break***
10.45	***Invited lecture*** **Marcus Hans** Metabolic engineering of *Penicillium chrysogenum*: b-lactams and beyond *DSM, Delft, The Netherlands*
11.20	**Chris Paddon** Semi-Synthetic Artemisinin from yeast: A crucial role for novel *Artemisia annua* enzymes in the high-level production of artemisinic acid *Amyris Biotechnologies, Emeryville, United States of America*

11.40	**Rosa Garcia Sanchez** Design and characterization of recombinant *Saccharomyces cerevisiae* strains fermenting hemicellulose suger mixtures *Lund University, Lund, Sweden*
12.00-14.00	***Lunch & poster session (even numbers)***
	Session 6 - Stress responses and robustness Chairman: Merja Penttilä
14.00	***Invited lecture*** **Isabel Sá-Correia** Role and regulation of yeast plasma membrane exporters in chemical stress defence *Institute for Biotechnology and Bioengineering, Instituto Superior Técnico, Lisbon, Portugal*
14.35	**Zeynep Cakar** Evolutionary engineering: a powerful approach for analysing in yeast stress responses *Istanbul Technical University, Istanbul, Turkey*
14.55	**Haojun Zhang** Growth inhibition mechanisms involved in tolerance to 2-Phenylethanol *INSA Toulouse, Toulouse, France*
15.15-15.45	***Coffee / Tea Break***
15.45	***Invited lecture*** **Karl Kuchler** Fungal pathogens meet mammalian hosts–reciprocal attack & defense and the winner takes it all *Medical University of Vienna, Austria*
16.20	**Helena Nevalainen** Aspects of protein quality control in an industrially - exploited fungal cell factory *Trichoderma reesei* *Macquarie University, Sydney, Australia*
16.40	**Paulo Dias** Mechanistic insights into the response and resistance to the agricultural fungicide mancozeb using Omics approaches *Institute for Biotechnology and Bioengineering (IBB), Lisbon, Portugal*
17.00-17.30	**Poster award**
17.30-18.00	**Farewell drinks & closing**