

# Workshop Programme

Thursday 19<sup>th</sup> November 2009

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9:00-9:30 Registration

9:30-9:45 **Miquel Coll**, IRB Barcelona - IBMB-CSIC

Welcome words and presentation of the workshop

*Chairperson: Albert Canals*

9:45-10:30 **Christine Lang**, Berlin Institute of Technology, Berlin, Germany

*Saccharomyces cerevisiae* and *Pichia pastoris*: The power of yeast for protein expression and complex analysis

10:30-11:15 **James M. Cregg**, Kegg Graduate Inst. of Applied Sciences, Claremont, California, USA Expression and assembly of full length antibodies in the yeast *Pichia pastoris*

*Coffee Break*

*Chairperson: M. Cristina Vega*

11:45-12:30 **Pau Ferrer**, Universitat Autònoma de Barcelona, Bellaterra, Spain

Production of recombinant proteins and protein complexes in bioreactor cultures of *Pichia pastoris*: Guidelines and key parameters for optimisation

12:30-13:10 Short talks, selected from submitted abstracts

- **Judith Katharina Paulus**, Heinrich Heine Universität Düsseldorf  
"Using yeast for cloning and expression of the receptor proteins ETR1 and ETR2 from *Arabidopsis thaliana*"
- **Muhammad Bashir Khan**, Max F. Perutz Laboratories(MFPL)  
"Crystal Structure of N-terminal Domain of Mrs2 - Mg<sup>2+</sup> Channel from Yeast Inner Mitochondrial Membrane"

*Lunch and Poster Session and Exhibition*

*Chairperson: Christoph Müller*

15:00-16:30 **Colin McVey**, ITQB, Oeiras, Portugal

Cloning and expression in *P. pastoris*. An overview. Strains and vectors

16:30-17:00 **Pau Ferrer**, Universitat Autònoma de Barcelona, Bellaterra, Spain

Cell engineering strategies for improved protein production in *Pichia pastoris*

*Coffee Break*

*Chairperson: Miquel Coll*

17:30-18:00 **Francisco Fernández**, CIB-CSIC, Madrid, Spain

Cloning and expression in *S. cerevisiae*. An overview. Strains and vectors

21:00 Social Dinner

Friday 20<sup>th</sup> November 2009

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*Chairperson: Francisco J. Fernández*

- 9:00-9:45 **Karine Blondeau**, IBBMC-CNRS, Université de Paris-Sud, Orsay, France  
Complementary cell-factories to prepare recombinant proteins for X-ray crystallography
- 9:45-10:30 **Elmar Czeko**, Gene Center Munich, Germany  
Structural and Functional Studies of Multiprotein Transcription Complexes

*Coffee Break*

*Chairperson: Christine Lang*

- 11:00-11:45 **Nico Callewaert**, UGent, Ghent, Belgium  
Glyco-engineering in *Pichia pastoris* and *Yarrowia lipolytica*
- 11:45-12:45 Short talks, selected from submitted abstracts
- **Kristin Baumann**, Universitat Autònoma de Barcelona  
"A multi-level study of heterologous protein production in *Pichia pastoris* under different oxygen conditions as a knowledge base for strain improvement"
  - **Fabio Sessa**, IRB Barcelona - IBMB-CSIC  
"Structural studies of the yeast proteasome regulatory particle"
  - **María Moreno del Álamo**, CIB-CSIC  
"Studies on the assembly and interactions of ORC, the DNA replication initiator complex in the yeast *Saccharomyces cerevisiae*"

*Lunch and Poster Session and Exhibition*

*Chairperson: James M. Cregg*

- 14:00-14:45 **Steven Geysens**, Oxyrane Belgium, Gent-Zwijnaarde, Belgium  
Development of *Yarrowia lipolytica* towards a versatile yeast expression system
- 14:45-15:30 **Christoph Müller**, EMBL Heidelberg, Germany  
RNA polymerase III transcription: methods and results