

Program

Czech- Spanish workshop

Yeast Physiology

September 19-20, 2011

**Institute of Physiology AS CR, Prague 4, Videnska 1083
Seminar room, building Da, ground floor**

Organized by

**Department of Membrane Transport, Institute of Physiology AS CR,
v.v.i., Prague**

**Centre on Molecular Biology and Physiology of Yeast
Communities (LC531)**

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Monday, September 19

9:15 **Opening**

9:30 – 10:00

Joaquin Ariño, Universitat Autònoma Barcelona

The yeast multifunctional protein Hal3

10:00 – 10:20

Lydie Marešová, Institute of Physiology AS CR, Prague

The influence of small GTPases Arl1 and Ypt6 on cells' tolerance to various stress factors

10:20 – 10:40

Vratislav Šťovíček, Charles University in Prague

Life-style of feral *Saccharomyces cerevisiae* strains: Principles of structured colony formation

10:40 – 11:00

Markéta Andršová, Institute of Physiology AS CR, Prague

***S.cerevisiae* Ist2 - protein with mysterious function**

11:00 – 11:30 **Coffee break**

11:30 – 12:00

Angel Dominguez, University of Salamanca

N-glycosylation of proteins in *Candida albicans*; connecting genotypes, phenotypes, biofilm formation and virulence

12:00 – 12:20

Olga Zimmermannová, Institute of Physiology AS CR, Prague

Importance of the alanyl residue 179 of the sixth transmembrane domain to the substrate specificity of yeast plasma membrane Na⁺/ H⁺ antiporters

12:20 – 12:40

Václava Bauerová, Institute of Organic Chemistry and Biochemistry AS CR, Prague

Intracellular proteases of *Candida albicans*

13:00 – 14:30 **Lunch**

14:45 – 15:15

Lynne Yenush, Universidad Politécnica de Valencia

Protein trafficking and ion homeostasis

15:15 – 15:35

Hana Elicharova, Institute of Physiology AS CR, Prague

Relation between alkali-metal-cation homeostasis and resistance to azoles in *Candida* species

15:35 – 15:55

María del Carmen Álvarez Morales, University of Cordoba

A widespread potassium carrier: Study of two Hak transporters from different microorganisms

15:55 – 16:30 **Coffee break**

16:30 – 17:00

Olga Hrušková, Institute of Organic Chemistry and Biochemistry AS CR, Prague

Secreted aspartic proteases of *Candida parapsilosis*

17:00 – 17:20

Michala Bubnová, Institute of Physiology AS CR, Prague

Active glycerol transporters in the osmotolerant yeast *Zygosaccharomyces rouxii*

Tuesday, September 20

9:30 – 10:00

José Ramos, University of Cordoba

Potassium homeostasis in yeasts: Different strategies and a common objective

10:00 – 10:20

Aleš Buček, Institute of Organic Chemistry and Biochemistry AS CR, Prague

Desaturases of *Candida parapsilosis*

10:20 – 10:40

Dita Strachotová, Institute of Microbiology, AS CR, Prague

Role of Jen1p monocarboxylate transporter during development of yeast colonies

10:40 – 11:00

Jaromír Zahrádka, Institute of Physiology AS CR, Prague

Alkali-metal-cation homeostasis is regulated via interaction of Nha1 Na⁺/H⁺ antiporter with 14-3-3 proteins.

11:00 -11:20

Ondřej Gahura, Charles University in Prague

Intron secondary structure in 3' splice site recognition in *S. cerevisiae*

11:00 – 11:15 Closing