

# PRELIMINARY PROGRAM

## International Behavioural and Neural Genetics Society (IBANGS)

June 9-12, 2005  
Miramar Complex  
Sitges, Spain

### Thursday, June 9

6:00-9:00 pm Registration  
7:00-10:00 pm Reception/Concert – Atlantida open-air discothèque on the sea

### Friday, June 10

7:00-8:30 am Continental Breakfast  
8:30am-4:00 pm Registration available  
8:30-8:45 am Opening Remarks  
8:45-10:00 am **Plenary** by Dr. Susan Alberts, Duke University and the Institute for Primate Research at the National Museums of Kenya in Nairobi, ***Social behavior and genetic structure of wild baboon populations in the Amboseli basin of Kenya.***  
10:00-10:30 am Coffee Break  
10:30am-12:30 pm **Symposium I: Monitoring and modifying genes to understand memory and social behavior**; Chairs: Catharine Rankin and K. Peter Giese  
Josh Dubnau - Cold Spring Harbor Laboratory, NY, USA - *Anatomical dissection of memory phases in Drosophila*  
Mario de Bono - Medical Research Council Laboratory of Molecular Biology, Cambridge, UK - *Genes that influence social behavior in C. elegans*,  
Catharine Rankin - University of British Columbia, Vancouver, BC - *Neurotransmitters, receptors and memory in C. elegans*  
Karim Nader - McGill University, Montreal, Canada - *The labile nature of consolidated memories*  
K. Peter Giese - University College London, UK - *Memory reconsolidation engages only a subset of immediate-early genes induced during consolidation*  
Cristina Alberini - Mount Sinai School of Medicine, NY, USA - *Mechanisms underlying memory stabilization*  
12:30-12:45 pm Symposium I discussion  
12:45-2:00 pm Lunch  
2:00-4:00 pm Paper Session I (8, 15-min talks)  
4:00-7:00 pm Poster Session (with refreshments)

### Saturday, June 11

7:00-8:30 am Continental Breakfast  
8:30 am-5:00 pm Registration available  
8:45-10:00 am Plenary by Dr. Gerald McClean, renowned geneticist of the Center for Developmental and Health Genetics at The Pennsylvania State University, ***The genetics of behavioural aging.***  
10:00-10:30 am Coffee Break  
10:30am -12:30 pm **Symposium II: Adult neurogenesis: genetics and function**; Chairs: Dan Goldowitz and Nancy L. Hayes

Nancy L. Hayes - UMDNJ-Robert Wood Johnson Medical School, NJ, USA - *Genetic dissection of stem cell proliferation and differentiation in the dentate gyrus*  
Dan Goldowitz - University of Tennessee, Tennessee, USA - *Genetic architecture of the rostral migratory stream (RMS)*  
Luca Santarelli - Columbia University, NY, USA - *Functional analysis of adult neurogenesis in the dentate gyrus*  
Pierre-Marie Lledo - Pasteur Institute, Paris, France - *Nature and nurture in adult neurogenesis*

12:30-12:45 pm

Symposium II Discussion

12:45-2:00 pm

Lunch

2:00-4:00 pm

**Symposium III: Alcohol withdrawal severity and drinking: are they genetically related?** Chairs; John Crabbe and Cindy Ehlers

John Crabbe - Portland VA Medical Center and Oregon Health & Science University, OR, USA - *Multivariate analyses of drug self-administration and withdrawal severity in inbred mouse strains*

Julia Chester - Purdue University, IN, USA - *Relationship between genetic differences in alcohol drinking and alcohol withdrawal in selectively bred rodent lines*

Christoph Fehr - University of Mainz, Mainz, Germany - *Principal component analysis of human alcohol withdrawal symptoms and their relationship towards alcohol dependence severity*

Cindy L Ehlers - The Scripps Research Institute, CA, USA - *Linkage analyses of drinking symptoms severity and alcohol withdrawal in Mission Indians*

4:00-4:15 pm

Symposium III Discussion

4:15-4:45 pm

Coffee Break

4:45-5:45 pm

Paper Session II (4, 15-min talks)

5:45-6:45 pm

IBANGS Business Meeting

## Sunday, June 12

7:00-8:30 am

Continental Breakfast

8:30am-5:00 pm

Registration available

8:30-10:30am

**Symposium IV: The genetic basis of phenotypic variation in behavior in *Drosophila melanogaster***, Chair, Robert R. H. Anholt

Robert R. H. Anholt - North Carolina State University, Raleigh, NC, USA - *The genetic architecture of odor-guided behavior in *Drosophila**

Ralph J. Greenspan - The Neurosciences Institute, San Diego, CA, USA - *The fruits of behavioral selection in the fruit fly*

Charalambos P. Kyriacou - University of Leicester, UK - *Natural variation in clock genes of *Drosophila**

Trudy F. C. Mackay - North Carolina State University, Raleigh, NC, USA - *Quantitative genetics of locomotor behavior in *Drosophila**

10:30-10:45 am

Symposium IV Discussion

10:45-11:15 am

Coffee Break

11:15am-1:15 pm

Invited Talks – *Outstanding Young Investigator Awardees*

1:15-1:30pm

Discussion

1:30-3:00pm

Lunch

3:00-5:00pm

**Symposium V: Deciphering the codes of cognition** Chairs, Mara Dierssen, Oliver Stork, Carmen Sandi

Doug Wahlsten - University of Alberta, Edmonton, Canada - *Is IQ a good index for measuring intelligence?*

Javier de Felipe - Cajal Institute, CSIC, Madrid, Spain - *Functional organization of the prefrontal cortex*

Lukas Pezawas - Genes, Cognition and Psychosis Program, NIMH, NIH, IRP, USA - *Genetic variation in BDNF function affects human hippocampal structure and function related to episodic memory*

Susan Sangha - University of Calgary, Alberta Canada - *Memory formation in a snail is dependent upon one specific cell*

Sabrina Davis - CNRS, Université Paris Sud, Paris, France - *MAP kinase signaling cascade and consolidation and reconsolidation of memory*

Oliver Stork - Inst of Physiology, Otto-von-Guericke University Magdeburg, Germany - *Molecular and genetic mechanisms of fear memory consolidation*

5:15-5:30

Symposium V Discussion

5:30-6:00pm

Closing Remarks

6:00-8:00pm

BREAK

8:00- pm

Banquet - Jardins Terramar novecentists style gardens

Sponsored by

**National Institute on Alcohol Abuse and Alcoholism (NIAAA),**

**National Institute of Mental Health (NIMH),**

**National Institute on Aging (NIA),**

**National Institute of Child Health and Human Development (NICHD)**

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**PANLAB**