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May 20-24, 2013

WELCOME

15th Annual Meeting of The International Behavioural & Neural Genetics Society

May 20-24, 2013
Leuven, Belgium

STUDENT:

▶ \$ 205 from 1st March '13

MEMBERS:

▶ \$ 341 from 1st March '13

BECOME A MEMBER:

▶ Check the website WWW.IBANGS.ORG

SYMPOSIA

SYMPOSIUM I

Comparative Behaviour Genetics:
Selected vignettes from five species

CHAIR: JOSH DUBNAU

GHOLSON LYON

Clinical Genetics of Neuropsychiatric Disorders

PATRIK VERSTREKEN

Post translational modification of synaptic active zones in the modulation of behavioral and activity defects in a fly ALS model

JOSH DUBNAU

The Transposon Storm: from Barbara McClintock to Lou Gehrig

BAMBOS KYRIACOU

Molecular and neurogenetic basis of biological rhythms in an intertidal crustacean

SYMPOSIUM II

Using zebrafish to explore how genes and neural circuits generate behavior

CHAIR: CAROLINE BRENNAN

EMRE YAKSI

Studying neural circuits in genetically tractable model organism

HERWIG BAIER

Optogenetic analysis of zebrafish prey capture behavior

CAROLINE H. BRENNAN

Forward genetic screening for complex behavioural phenotypes

RUI F OLIVEIRA

Rapid regulation of gene expression in the zebrafish brain induced by perceived social interactions

SYMPOSIUM III

Novel Mechanisms in Anxiety and Depression

CHAIR: STEPHANIE DULAWA

STEPHANIE DULAWA

Serotonin 2C antagonists as putative fast-onset antidepressants

ABRAHAM PALMER

Mechanistic studies of G1 and behavior

IRIS HOVATTA

A cross-species approach to identify anxiety-associated transcript networks

JOHN F. CRYAN

GABA-B receptor subunit isoforms differentially mediate susceptibility to early-life stress-induced depression related behaviour.

SYMPOSIUM IV

Hippocampus And Cognitive Spatial Maps: Multi-Species Comparison

CHAIR: HANS PETER LIPP & CHRISTOPHER JANUS

CHRISTOPHER JANUS

Of Mice and Man: murinizing human behavior

HANS-PETER LIPP

Non-spatial functions of the hippocampus: adaptation of hippocampally lesioned mice to naturalistic environments

LARS LEWEJOHANN

Spatial learning of wild and domestic guinea pigs

NICOLE BLASER

Cognitive navigational maps in homing pigeons

SYMPOSIUM V

Genetic Regulation of Ethanol Sensitization in Flies, Mice, and Humans

CHAIR: STEPHEN BOEHM & TAMARA PHILLIPS

GALIT OPHIR

Sexual deprivation increases ethanol intake and modulated social avoidance behavior in *Drosophila*

D. N. LINSENBARDT

Determining the heritability of locomotor sensitization to ethanol

MICKAEL NAASSILA

Brain chromatin remodeling a novel potential pharmacological target in ethanol-induced sensitization.

ANDREA KING

Alcohol Response Phenotypes and Future Excessive Drinking in Humans

SYMPOSIUM VI

Epigenetics of brain disorders: Focus on alcoholism

CHAIR: IGOR PONOMAREV & ANTONIO NORONHA

ALFREDO GHEZZI

Epigenetic modulation of long-term neural adaptations that underlie alcohol tolerance and dependence in *Drosophila*

MICKAEL NAASSILA

Is there a future for using HDAC inhibitors in alcohol dependence?

GEORGY BAKALKIN

Mechanistic integration of the genetic, epigenetic and environmental factors in neuropsychiatric diseases: Analysis of opioid genes in human alcoholism

TOMAS EKSTRÖM

The functional genome at the genetic- epigenetic- environment intersection

SELECTED TALKS SESSION I

JÉRÔME NICOD

High-Resolution Mapping of Multiple Neuronal Traits in an Outbred Population of Mice by Reconstruction of Complete Genomes Using Ultra-Sparse (0.1X Coverage) Sequencing

LEONARD C SCHALKWYK

DNA methylation analysis of the human brain: Alzheimer disease.

DAVID N STEPHENS

Genetic factors contributing to waiting impulsivity in mice and drug-related behaviour in human adolescents

ANDRZEJ PIETRZYKOWSKI

Genetic and epigenetic regulation of microRNA by alcohol

BRUNO VAN SWINDEREN

Sleep stages in Drosophila

GANG CHEN

Yueju pill rapidly triggers antidepressant-like effects

DANA MOST

Synaptoneurosome mRNA and microRNA: Regulation by Chronic Alcohol Consumption

OUTSTANDING TRAVEL AWARDEES

OUTSTANDING GRADUATE STUDENTS:

ZHENGZHENG LIANG

Molecular basis of scouting behaviors in honey bees

KRISTA MITCHNICK

Dissociating epigenetic mechanisms of memory in the hippocampus and perirhinal cortex of rats

SELECTED TALKS SESSION II

MARIE-LAURE SAMSON

An RNA-Seq approach identifies functional networks controlled by the neuronal ELAV/Hu RNA-binding proteins.

STEPHEN C EKKER

Zebrafish Genome Editing Using Random and Targeted Engineering Approaches For Behavioral and Addiction Genetics Applications

MAARTEN LOOS

High throughput phenotyping of spontaneous behavior: variation within and across 11 inbred mouse strains

TSUYOSHI MIYAKAWA

Bidirectional change of maturation status of dentate gyrus neurons: Relevance to neuropsychiatric disorders

JORGE CAMPUSANO

The increased release of Biogenic Amines is responsible for behavioral effects of Nicotine, MTA and MDMA in Drosophila melanogaster

MARGARITA ALFIMOVA

The effect of the 5-HTTLPR polymorphism on face emotion recognition in schizophrenia

KYUNG-AN HAN

Dopamine in Sexual Behavior

OUTSTANDING TRAVEL AWARDEES

OUTSTANDING POSTDOC:

DAVID N. LINSENBARDT

David N. Linsenbardt is a symposium speaker (SYMPOSIUM V)

OUTSTANDING JUNIOR FACULTY:

CAMRON BRYANT

Rufy1 or Hnrnp1 is a likely quantitative trait gene for methamphetamine sensitivity

▼ TUESDAY
MAY 21

08:00 Breakfast

M.M. van Hamaele

09:00
**Outstanding travel
awardees**

Willem van Croy

15 min Coffe break

10:30
SYMPOSIUM I
Comparative Behaviour
Genetics: Selected
vignettes from five species
▶ Josh Dubnau

Willem van Croy

12:30 Lunch on your own

14:00
**Young Investigator
Lecture**
▶ Judith Homberg
**Distinguished
Scientist Lecture**
▶ Robert Gerlai

Willem van Croy

16:30-18:30
Poster Session

Jubileum zaal KU Leuven

▼ WEDNESDAY
MAY 22

08:00 Breakfast

M.M. van Hamaele

09:00
Presidential lecture
▶ Scott Waddell
Oxford

Willem van Croy

15 min Coffe break

10:30
SYMPOSIUM II
Using Zebrafish to
explore how genes ...
generate behaviour
▶ Caroline Brennan

Willem van Croy

12:30 Lunch on your own

14:00
SYMPOSIUM III
Novel Mechanisms in
Anxiety and Depression
▶ Stephanie Dulawa

Willem van Croy

16:00
SYMPOSIUM IV
Hippocampus and
Cognitive Spatial Maps:
Multi-Species Comparison
▶ Hans - Peter Lipp &
Christopher Janus

Willem van Croy

▼ THURSDAY
MAY 23

08:00 Breakfast

M.M. van Hamaele

09:00
Keynote Lecture
▶ Andreas Meyer-
Lindenberg
Heidelberg / Mannheim
Willem van Croy

15 min Coffe break

10:30
SYMPOSIUM V
Genetic Regulation of
Ethanol Sensitization in
Flies, Mice, Humans
▶ Stephen Boehm &
Tamara Phillips

Willem van Croy

12:30 Lunch on your own

14:00
**Selected Talks
Session I**

Willem van Croy

16:00
**General Business
Meeting**

Willem van Croy

18.00-20:00

Banquet

Faculty Club Infirmierie

▼ FRIDAY
MAY 24

08:00 Breakfast

M.M. van Hamaele

9:00
**Selected Talks
Session II**

Willem van Croy

15 min Coffe break

11:00
SYMPOSIUM VI
Epigenetics of brain
disorders:
Focus on alcoholism
▶ Igor Ponomarev
& Antonio Noronha

Willem van Croy

13:00
**Meeting
adjourned**

VENUE

- ▶ KU Leuven
- ▶ Faculty Club, Groot Begijnhof

Please check the website for updates

www.med.kuleuven.be/legtegg/
www.ibangs.com/

HOW TO GET THERE

▶ By plane

Brussels Airport

The airport train station is located below the terminal (basement level -1) *Trains run twice an hour from Brussels – Airport to Leuven*

Brussels South Charleroi Airport

the airport shuttle bus to Leuven takes one hour

▶ By car

Leuven is a 30 min. drive from Brussels and is served by 2 main highways: E40 from Brussels to Liège and E341 from Aachen (Germany).

Look up your route through viamichelin.com

▶ By train

Leuven is a stop on the international railroad London (UK) - Brussels - Liège - Köln (Germany). Coming from any other line, you can change at Brussels' North, Central, or Midi stations, where there is a train to Leuven every 30 minutes. Look up your travel through belgianrail.be

The Faculty Club and the Congress Hotel are situated together in Groot Begijnhof along the ring-road of Leuven

ENGLAND
LONDON

THE NEDERLANDS
AMSTERDAM

PARIS
FRANCE

