

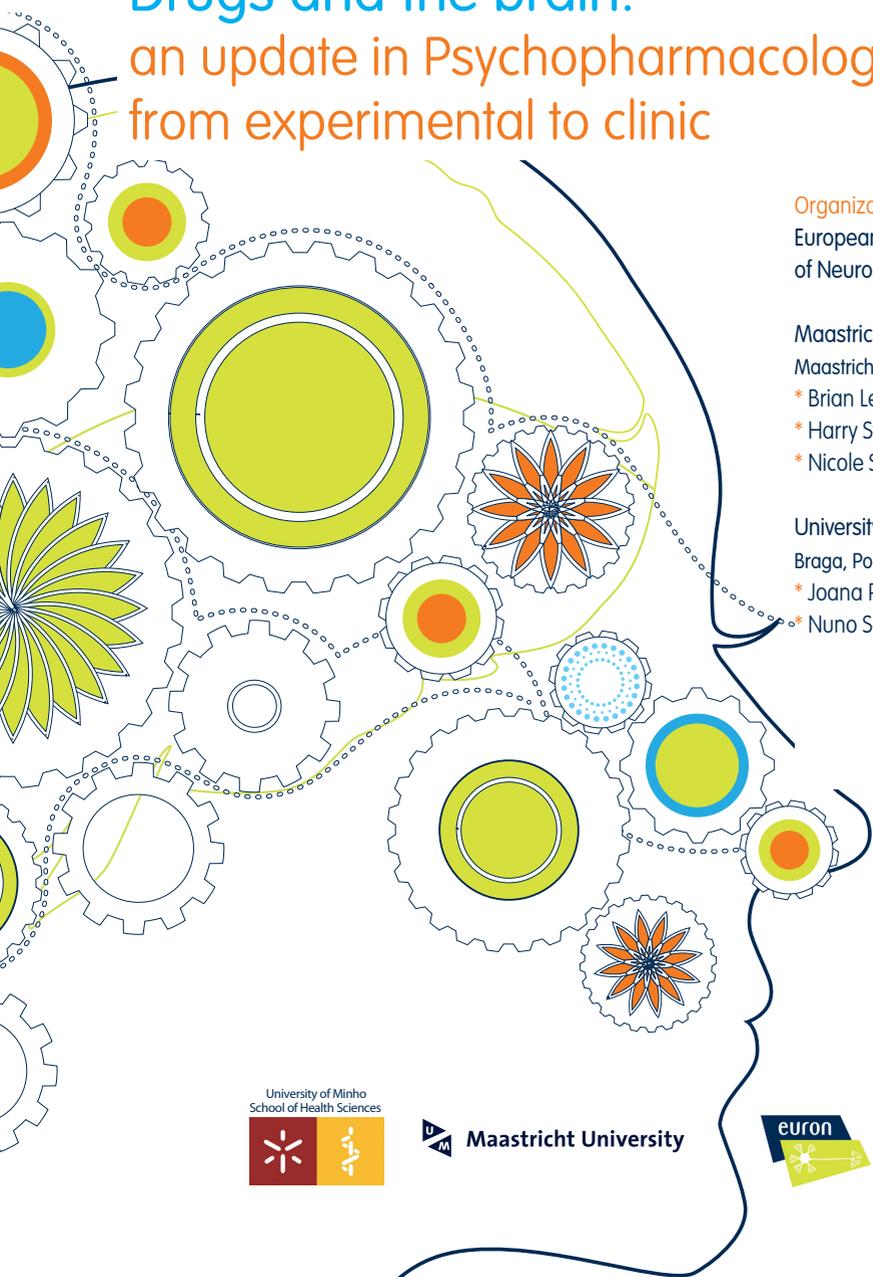
program
workshop

FENS-IBRO SCHOOL
ECNP sponsored

EURON WORKSHOP

Drugs and the brain: an update in Psychopharmacology from experimental to clinic

APRIL
15-20th 2012
UNIVERSITY
OF MINHO
* PORTUGAL *



Organization

European Graduate School
of Neuroscience (Euron)

Maastricht University,
Maastricht, The Netherlands

- * Brian Leonard
- * Harry Steinbusch
- * Nicole Senden

University of Minho,
Braga, Portugal

- * Joana Palha
- * Nuno Sousa

University of Minho
School of Health Sciences



 Maastricht University



PRELIMINARY PROGRAM

SUNDAY APRIL 15TH // ARRIVAL AND REGISTRATION – BUFFET

20.00 Marina Bentivoglio
Key Lecture History of Neuroscience

MONDAY APRIL 16TH // BASIC MECHANISMS OF ACTION OF
PSYCHOTROPIC DRUGS: AN OVERVIEW

Chairman: Brian Leonard

9.00-9.45 Brian Leonard / Joana Palha /
Harry Steinbusch
General Introduction

9.45-10.30 Charles Marsden
*The neurotransmitter and receptor basis of drug
discovery: new approaches and developments*

10.30-11.30 **Coffee break and poster session 1**
(research projects PhD students)

11.30-12.15 Liesbeth Reneman (ECNP lecture)
*Behavioural toxicity of psychotropic drugs and how they are
investigated*

12.15-13.00 Jos Prickaerts
*Problems and pitfalls in modelling psychiatric and
neurological disorders*

13.00-14.00 **Lunch**



14.00-16.15 Interactive sessions (students will choose one of the workshops)

Workshop 1: "The psychotropic drugs of the future: based on old concepts or fully new?"

Moderators: Charles Marsden/Brian Leonard/Harry Steinbusch

Workshop 2: "Industry versus academia : drug versus disorder"

Moderators: Thomas Steckler/Jos Prickaerts

16.15-17.00 Presentation of the workshops

17.00-17.45 Thomas Steckler

How are psychotropic drugs discovered and developed? The role of the pharmaceutical industry

20.00 Dinner

TUESDAY APRIL 17TH // CLINICAL PSYCHOPHARMACOLOGY: APPLICATION OF PSYCHOTROPIC DRUGS TO PSYCHIATRIC AND NEUROLOGICAL DISORDERS

Chairman: Charles Marsden

8.30-9.15 Gavin Reynolds
Psychotic disorders: psychopathology and drug treatment

9.15-10.00 Brian Leonard
Affective disorders: psychopathology and drug treatment

10.00-11.00 **Coffee Break and poster session 2**
(research projects PhD students)

11.00-11.45 David Baldwin (not yet confirmed)
Anxiety disorders: psychopathology and drug treatment



11.45– 12.30 Brian Leonard
Introduction: preparation scientific debate/scientific proposal

12.30-13.30 Lunch

13.30– 14.15 Nicol Ferrier
Bipolar disorders: psychopathology and drug treatment

14.15– 16.30 Interactive sessions (students will choose one of the workshops)

Workshop 1: "How do mechanisms of antipsychotic activity relate to our understanding of the pathophysiology of schizophrenia?
Moderators: Gavin Reynolds/Nicol Ferrier

Workshop 2: "Mood disorders-the end of the monoamine theory or can it be rejuvenated"
Moderators: David Baldwin/Bill Deakin

16.30-17.30 Presentation of the workshops and closure of the day

20.00 Dinner

WEDNESDAY APRIL 18TH // BASIC ASPECTS RELATED TO CLINICAL PSYCHOPHARMACOLOGY

Chairman: Bill Deakin

8.30-9.15 Anne Lingford-Hughes (not yet confirmed)
Neurobiology of addiction: focus on alcohol dependence

9.15–10.00 Alexandra Sulcova
Cannabinoids

10.00-10.30 Coffee Break



10.30-11.15 *Speaker to be announced: Pharmacology of anti-anxiety drugs and clinical applications*

11.15-12.00 Bill Deakin
Translational to-and-fro on the functions of 5HT

12.00-13.00 Lunch

13.00-16.00 Interactive sessions

Group divides in two and switch during the afternoon to the laboratory program and the other half preparation for scientific proposal

Laboratory class: Introduction to behaviour rodent models of psychiatric disorders

16.00 Social event and dinner

THURSDAY APRIL 19TH // SPECIAL TOPICS THAT LINK BASIC AND CLINICAL NEUROSCIENCE

Chairman: Harry Steinbusch

8.30-9.15 Paul Lucassen
Dementia and depression: mechanisms, psycho-pathology and drug treatment

9.15-10.00 Carmen Sandi
Neural mechanisms translating stress effects on brain and behavior

10.00-10.30 Coffee break

10.30-11.15 Onno Meijer
The HPA axis and psychiatric disease: drug targets old & new

11.15-12.00 Ana João Rodrigues
Programming effects of prenatal exposure to glucocorticoids in adult seeking behaviour

12.00-13.00 Lunch

13.00-14.15 Interactive sessions (students will choose one of the workshops)

Workshop 1: "Ethics in animal research"
Moderators: Margarida Correia-Neves/Joana Palha

Workshop 2: "Skills to write a good paper and a grant application"
Moderator: Brian Leonard/Harry Steinbusch

14.15-15.30 Interactive sessions (students will choose one of the workshops)

Workshop 1: "Ethics in animal research"
Moderators: Margarida Correia-Neves/Joana Palha

Workshop 2: "Skills to write a good paper and a grant application"
Moderator: Brian Leonard/Harry Steinbusch

15.30-18.30 Preparations for scientific debate/preparation scientific proposals

18.30-20.00 Scientific Debate (with drinks)

21.00 Dinner with music

FRIDAY APRIL 20TH // INFLAMMATION, NEURODEGENERATION
AND MENTAL HEALTH

Chairman: Joana Palha

8.30-10.30 Presentation scientific proposals

10.30-10.45 **Coffee break**

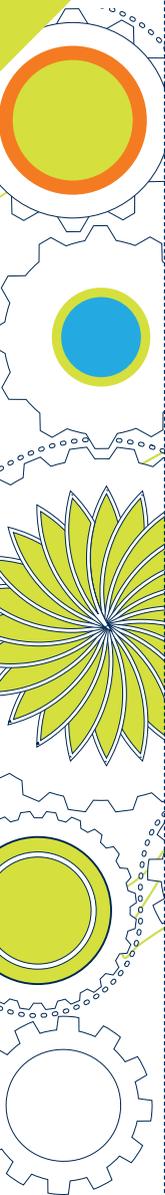
10.45-11.30 Joana Palha
Inflammation: how the periphery triggers the central nervous system

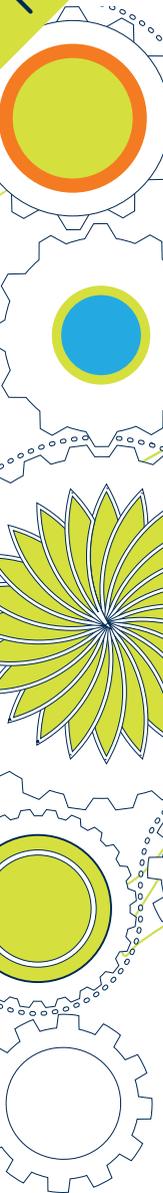
11.30-12.15 Nuno Sousa
Depression and neurogenesis

12.15-13.00 **Lunch**

13.00-13.45 Harry Steinbusch
Morphological basis for inflammatory induced neurodegeneration in psychiatric diseases

13.45-14.00 Brian Leonard
Concluding remarks





- * Prof. David Baldwin, University of Southampton, UK
D.S.Baldwin@soton.ac.uk
- * Prof. Marina Bentivoglio, University of Verona, Italy
marina.bentivoglio@univr.it
- * Dr. Margarida Correia-Neves, University of Minho, Portugal
mcorreianeves@ecsaude.uminho.pt
- * Prof. Bill Deakin, University of Manchester, UK
bill.deakin@manchester.ac.uk
- * Prof. Nicol Ferrier, University of Newcastle, UK
i.n.ferrier@ncl.ac.uk
- * Prof. Brian Leonard, Em. Prof. National University of Galway, Ireland;
Visiting Prof. Maastricht University, The Netherlands
brian@psycholeonard.com
- * Dr. Anne Lingford-Hughes, Bristol University, UK
anne.lingford-hughes@bristol.ac.uk
- * Prof. Paul Lucassen, University of Amsterdam, The Netherlands
p.j.lucassen@uva.nl
- * Prof. Charles Marsden, Em. Prof. University of Nottingham, UK
charles.marsden@nottingham.ac.uk
- * Dr. Onno Meijer, University of Leiden, The Netherlands
o.meijer@lacdr.leidenuniv.nl
- * Prof. Joana Palha, University of Minho, Portugal
japalha@ecsaude.uminho.pt
- * Dr. Jos Prickaerts, Maastricht University, The Netherlands
jos.prickaerts@maastrichtuniversity.nl
- * Dr. Ana João Rodrigues, University of Minho, Portugal
ajrodrigues@ecsaude.uminho.pt
- * Dr. Liesbeth Reneman, Academic Medical Center, University of Amsterdam,
The Netherlands
l.reneman@amc.uva.nl
- * Prof. Gavin Reynolds, Em. Prof. Queens University Belfast, UK
gavin.reynolds@hotmail.com
- * Prof. Carmen Sandi, Swiss Federal Institute of Technology Lausanne (EPFL),
Switzerland
carmen.sandi@epfl.ch
- * Prof. Nuno Sousa, University of Minho, Portugal
njcsousa@ecsaude.uminho.pt
- * Dr. Thomas Steckler, Johnson & Johnson Pharmaceuticals, Belgium
tsteckle@prdbe.jnj.com
- * Prof. Harry Steinbusch, Maastricht University, The Netherlands
h.steinbusch@maastrichtuniversity.nl
- * Prof. Alexandra Sulcova, Masaryk University, Czech Republic
sulcova@med.muni.cz