

From the pineal to biological rhythms through melatonin

A Conference in honor of Prof. Paul Pévet

January 26-27, 2023

Collège Doctoral Européen, Strasbourg

Thursday 26, 13h30-19h00

13h30-13h45 Welcome : E. Challet, M.P. Felder-Schmittbuhl, V. Simonneaux

13h45-14h00 Keynote : C. Florentz, Vice-President of University of Strasbourg

14h00-15h00 Introductory plenary lecture (Chair: M. Masson-Pévet)

R.M. Buijs, Mexico City, Mexico

The suprachiasmatic nucleus: the central player in the multi-oscillatory circadian system

15h00-17h00 Melatonin (Chairs : B. Claustrat & F. Gauer)

D.J. Skene, Guildford, UK

Role of melatonin in health and disease

P. Klosen, Strasbourg, France

The distributions of MT1 and MT2 melatonin receptors in the mouse brain

J. Stehle, Frankfurt, Germany

Melatonin, hippocampus and memory processes

B. Guardiola-Lemaitre, Suresnes, France

Valdoxan: from concept to drug

17h00-17h30 : Coffee break

17h30-19h00 Rhythms in the retina (Chairs : V. Gydé-Laurent & J. Mendoza)

M.P. Felder-Schmittbuhl, Strasbourg, France

The retina: a network of clocks

C. Ribelayga, Houston, USA

Molecular and functional architecture of the mouse photoreceptors network

D. Hicks, Strasbourg, France

Retina of diurnal models: a key for studying human retina pathology

20h00 : Banquet

Brasserie de la Bourse

Friday 27, 8h30-16h00

8h30-9h00 Historical lecture (Chair: D. Skene)

J. Arendt, Guildford, UK

Melatonin: evolution of concepts

9h00-11h00 Circadian biology (Chairs: S. Raison & N. Lakhdar-Ghazal)

A. Kalsbeek, Amsterdam, The Netherlands

How to repair the disturbed circadian system

E. Challet, Strasbourg, France

Circadian clocks, hypothalamus and metabolism

J. Menet, Texas, USA

Clock-controlled rhythmic transcription: is the clock enough and how does it work?

J.H. Meijer, Leiden, The Netherlands

Behavioural feedback on the central clock in diurnal mammals

11h00-11h30 : Coffee break

11h30-13h30 Seasonal biology (Chairs: P. Vuillez & F. Raynaud)

V. Simonneaux, Strasbourg, France

Melatonin and seasonal reproduction

H. Dardente, Nouzilly, France

Thyroid hormones and seasonality in sheep

D.G. Hazlerigg, Tromsø, Norway

Towards an understanding of seasonal programming

S. Monecke, Munich, Germany

Circannual rhythmicity in the European hamster

13h30-14h30 : Lunch

14h30-16h30 Comparative physiological rhythms (Chairs: B. Vivien & C. Haldar-Misra)

H.W. Korf, Dusseldorf, Germany

The comparative approach: a key for pineal and biological rhythms research

K. El Allali, Rabat, Morocco

Synchronization of the circadian system in the desert environment

A. Herwig, Ulm, Germany

Why does a mammal become torpid in winter?

N. Foulkes, Karlsruhe, Germany

Fish models shed new light on the vertebrate circadian timing system

16h30 : Paul Pévet's conclusive remarks

Bilan Financier

Recettes		Dépenses	
Subvention NeuroStra	3 000 €	Nuitées invités	4 500 €
Subvention INCI	3 000 €	Banquet	2 500 €
Subvention Neurex	8 000 €	Voyages Invités	8 000 €
Subvention Neurogenycs	1 000 €		
Total	15 000 €		15 000 €