

OCTOBER 28-31, 2024

## STRASBOURG

Collège Doctoral Européen,  
46 Boulevard de la Victoire

### REGISTRATION & MORE INFO:

<https://chronoschool24.sciencesconf.org>

registration deadline September 10<sup>th</sup> 2024

for Master and PhD students



Direction

des relations internationales

Université de Strasbourg



École Doctorale  
des Sciences de la Vie  
et de la Santé  
STRASBOURG

# AUTUMN SCHOOL NEUROBIOLOGY OF RHYTHMS FROM BASICS TO ENVIRONMENTAL IMPACTS

Organizing committee: Valérie SIMONNEAUX (Coordinator),  
Etienne CHALLET, Marie-Paule FELDER, Clémentine FILLINGER, Tsvetan SERCHOV

## Monday, October 28<sup>th</sup>

- 11h00 – 11h30: **Welcome at Collège Doctoral Européen (CDE)**  
12h00 - 13h30: **Lunch time (packed lunch)**  
*Visit of the astronomical clock of Strasbourg's cathedral*  
13h45 - 14h00: **Presentation of the Autumn School**  
14h00 - 15h00: **General introduction: What are biological rhythms?**  
P. Vuillez, INCI, F  
15h00 - 19h00: **Afternoon workshop**  
*PhD student's brief oral presentations (including a coffee break)*  
19h30 - 22h00: **International potluck dinner at INCI**  
*2 min-walk from CDE, 8 allée du général Rouvillois*

## Tuesday, October 29<sup>th</sup>

- 09h00 - 10h30: **Molecular mechanisms of circadian clocks**  
U. Albrecht, Fribourg, CH & M.P. Felder, INCI, F  
10h30 - 11h00: **Coffee break**  
11h00 - 12h30: **How light entrains clocks**  
O. Dkhissi-Benyahya, Lyon, F & P.A. Geoffroy, Paris/INCI, F  
12h45 - 13h45: **Lunch time (Le 32 Restaurant, 32 Boulevard de la Victoire)**  
14h00 - 15h30: **Melatonin from biology to therapeutic tools**  
P. Klosen, INCI, F & D. Skene, Surrey, UK  
15h30 - 17h30: **Afternoon workshops** *Visit platforms and practical courses*  
**Option 1: Chronobiotron** (Animal facility for exploration of biological rhythms)  
D. Ciocca / S. Reibel  
**Option 2: CIRCSom** (Clinical research platform to investigate sleep, chronobiology and light effects in healthy subjects or patients)  
L. Hugueny & L. Lecourtier  
18h00 - 20h00: **Tour boats**

## Wednesday, October 30<sup>th</sup>

- 09h00 - 10h30: **Rhythms in sleep**  
P. Bourgin, INCI, F & H.P. Landolt, Zürich, CH  
10h30 - 11h00: **Coffee break**  
11h00 - 12h30: **Central and peripheral clocks in metabolism**  
F. Delaunay, Nice, F & H. Oster, Lübeck, G  
12h45 - 13h45: **Lunch time (Le 32 Restaurant, 32 Boulevard de la Victoire)**  
14h00 - 15h30: **Seasonal rhythms in the lab and wild**  
V. Simonneaux, INCI & S. Wood, Tromsø, N  
15h30 - 18h00: **Afternoon workshops**: Practical courses (choice of 2)  
**Option 1:** Bioluminescence in molecular rhythms (C. Sandu & M.P. Felder)  
**Option 2:** Behavioural analysis in social group (IntelliCage) (T. Serchov)  
**Option 3:** Circadian rhythms in planarians (Y. Menger)  
**Option 4:** Circadian data analysis and modeling (P. Vuillez & D. Gonze, Bruxelles, B)  
**Option 5:** Brain fiber photometry (C. Fillingner & X. Bonnefont, Montpellier)  
19h30 - 22h00: **Alsatian dinner**

## Thursday, October 31<sup>st</sup>

- 09h00 - 09h40: **Light pollution**  
A. Béry, INCI, F  
09h40 - 10h20: **Endocrine disturbances**  
X. Bonnefont, Montpellier, F  
10h20 - 10h50: **Coffee break**  
10h50 - 11h30: **Circadian rhythms & human health**  
C. Gronfier, Lyon, F  
11h30 - 12h10: **Psychiatric disorders**  
T. Serchov, INCI, F  
12h30 - 13h45: **Lunch time (Le 32 Restaurant, 32 Boulevard de la Victoire)**  
**Meet the PIs** (Any questions students might have regarding their career as researcher)  
14h00 - 14h40: **Chronotherapy in cancer**  
S. Dulong, Villejuif, F  
14h40 - 15h20: **Hot topic** (chosen by the student organizers)  
M. Astiz, Bilbao, S  
15h20 - 18h00: **Afternoon workshops**: Practical courses (choice of 2)  
**Option 1:** Bioluminescence in molecular rhythms (C. Sandu & M.P. Felder)  
**Option 2:** Behavioural analysis in social group (IntelliCage) (T. Serchov)  
**Option 3:** Circadian rhythms in planarians (Y. Menger)  
**Option 4:** Circadian data analysis and modeling (P. Vuillez & D. Gonze, Bruxelles, B)  
**Option 5:** Brain fiber photometry (C. Fillingner, INCI & X. Bonnefont, Montpellier)  
18h00 - 18h30: **Concluding remarks** and students' feedback on the Autumn School