

OCTOBER 28-31, 2024

STRASBOURG

Collège Doctoral Européen,
46 Boulevard de la Victoire

REGISTRATION & MORE INFO:

<https://chronoschool24.sciencesconf.org>

registration deadline September 10th 2024
for Master and PhD students



The nervous system facing environmental issues | NeuroStra

The **interdisciplinary thematic institutes**
of the **University of Strasbourg** & **CNRS** & **Inserm**



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 28th

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 29th

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 30th

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. Fillinger & X. Bonnefont, Montpellier)
19h30 - 22h00: **Alsatian dinner**

Thursday, October 31st

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)
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Option 5: Brain fiber photometry (C. Fillinger, INCI & X. Bonnefont, Montpellier)
18h00 - 18h30: **Concluding remarks** and students' feedback on the Autumn School