



Centre for Biological Timing Winter Symposium 2022

February 1st, 2022

University Place Theatre A
176 Oxford Road
Manchester
M13 9PL

SESSION 1

Moderators: Nicola Smyllie
and Alex Koch

9:30

Helene Borrmann

(J. McKeating, The University of
Oxford)

Circadian Regulation of
Human Immunodeficiency
Virus

9:50

Florian Zirpel

(Z. Cader, The University of
Oxford)

Circadian regulation of central
pain circuits

10:10

Shiyang Li

(Q.-J. Meng The University of
Manchester)

Investigating circadian
rhythms in breast cancer

10:30

Namrata Chowdhury

(D. Skene/D. van der Veen, The
University of Surrey)

Metabolite rhythms in healthy
volunteers in both circadian
and entrained protocols

10:50

Coffee break

(please visit the exhibit of our kind
sponsors)

SESSION 2

Moderators: Shiyang Li and
Namrata Chowdhury

11:20

Nicola Smyllie

(M. Hastings, MRC - LMB)

Cryptochrome proteins
regulate the circadian
intra-cellular behaviour and
localisation of PER2 in the SCN

11:40

Alex Koch

(A. Loudon, The University of
Manchester)

Tracking clock proteins in time
and space

12:00

Ruby Chrisp

(P. Moran, The University of
Nottingham)

Understanding the role of
hepatic NPAS2 in circadian
rhythmicity and cognition

12:20

Akanksha Bafna

(P. Nolan, MRC Harwell)

Searching for novel SCN
enhancer marks that could
drive daily timekeeping

12:40

Lunch time

(please visit the exhibit of our kind
sponsors)

SESSION 3

Moderators: Helene
Borrmann and Edward Hayter

14:00

Keynote speaker

Prof Maria Robles

Title: Proteomics around the
clock

14:40

**Patrycja anna Orlowska-
Feuer**

(R. Lucas, The University of
Manchester)

How does diurnality change
the way the SCN 'sees' light?

15:00

David McManus

(M. Hastings, MRC - LMB)

Using Genetic Code

Expansion to investigate the
SCN circadian clock

15:20

Joshua Burton

(N. Papalopulu, M. Rattray, The
University of Manchester)

Inferring kinetic parameters
of oscillatory gene regulation
from single cell time-series
data

CFBT SHORT TALKS

Moderator: Joan Chang

15:45

Aghileh Ebrahimi

(R. Storch, The University of Manchester)

Three-Dimensional Unsupervised
Probabilistic Pose Reconstruction (3D-UPPER)
Method for Freely Moving Animals

15:55

Tom Butler

(J. Gibbs, The University of Manchester)

The role of intestinal clocks in host response
to gut inflammation

16:05

Edward Hayter

(D. Bechtold, The University of Manchester)

Organisation of cardiac electrophysiology by
the circadian system

16:15

Elizabeth Tamayo

(T. Brown, The University of Manchester)

S-cone signals promote exploratory activity in
mice

16:25

Karolina Krakowiak

(H. Durrington, The University of Manchester)

Circadian Blood Profiling in Asthma

16:40

Last Comments and prizes

16:50

Drinks and Canapés