

FENS SUMMER SCHOOL 2022

'ARTIFICIAL AND NATURAL COMPUTATIONS FOR SENSORY PERCEPTION: WHAT IS THE LINK?'

22-28 May 2022

Training Centre of the University of Bologna, Bertinoro, Italy

Scientific Chairs: Dr. Brice Bathellier, Dr. Andrew King, Dr. Andreas Tolias

Programme

Sunday 22 May

17:30 - 18:30 **Registration**

18:30 - 20:00 School introduction by co-chairs

CHET presentation

Participants' introduction

20:00 - 22:00 Dinner

Monday 23 May

08:30 - 10:30 **Andreas Tolias**

Baylor College of Medicine, USA
(30 minutes Q&A)

10:30 - 11:00 Coffee break

11:00 - 13:00 **Adrienne Fairhall**

University of Washington, USA
(30 minutes Q&A)

13:00 - 14:30 Lunch

14:30 - 17:30 Workshop on Machine Learning led by **Edgar Walker**,
University of Washington, USA

17:30 - 18:00 *Coffee Break*

18:00 - 18:30 Group work on Machine Learning

18:30 - 20:00 Poster session 1

20:00 - 22:00 *Dinner*

Tuesday 24 May

08:30 - 10:30 **Wieland Brendel**
University of Tübingen, Germany
(30 minutes Q&A)

10:30 - 11:00 *Coffee break*

11:00 - 13:00 **Maneesh Sahani**
Gatsby Computational Neuroscience Unit,
University College London, UK
(30 minutes Q&A)

13:00 - 14:00 *Lunch*

14:00 - 15:00 Group work on Machine Learning

15:00 - 17:00 **Jennifer Linden**
The Ear Institute, University College London, UK
(30 minutes Q&A)

17:00 - 17:30 *Coffee Break*

17:30 - 18:30 **Dan Yamins**
Stanford University, USA
(15 minutes Q&A)

18:30 - 20:00 Poster session 2

20:00 - 22:00 *Dinner*

Wednesday 25 May

08:30 - 10:30 **Na Ji**
University of California Berkeley, USA
(30 minutes Q&A)

10:30 - 11:00 *Coffee break*

11:00 - 13:00 **Andrew King**
University of Oxford
(30 minutes Q&A)

13:00 - 14:30 *Lunch*

14:30 - 22:00 Trip to Ravenna

Thursday 26 May

08:30 - 10:30 **Brice Bathellier**
Institut de l'Audition, Institut Pasteur, France
(30 minutes Q&A)

10:30 - 11:00 *Coffee break*

11:00 - 13:00 **Alexander Mathis**
EPFL, Switzerland
(30 minutes Q&A)

13:00 - 14:30 *Lunch*

14:30 - 16:00 Group work on Machine Learning

16:00 - 17:30 **Michael Brecht**
Bernstein Center for Computational Neuroscience,
Humboldt University Berlin, Germany

17:30 - 18:00 *Coffee Break*

18:00 - 18:30 **Michael Brecht**

Bernstein Center for Computational Neuroscience,
Humboldt University Berlin, Germany
(30 minutes Q&A)

18:30 - 20:00 Poster session 3

20:00 - 22:00 *Dinner*

Friday 27 May

08:30 - 10:30 Group work on Machine Learning

10:30 - 11:00 *Coffee break*

11:00 - 13:00 Group presentation on Machine Learning

13:00 - 14:30 *Lunch*

14:30 - 16:00 **Josh McDermott**

Department of Brain and Cognitive Sciences,
Massachusetts Institute of Technology, USA
(30 minutes Q&A)

16:00 - 17:30 Group presentation on Machine Learning

17:30 - 18:00 *Coffee Break*

18:00 - 19:00 Debate

19:00 - 19:30 Conclusions by co-chairs, Wrap-up & Feedback session

20:00 - 22:00 *Farewell dinner*

Saturday 28 May

Breakfast and departure