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