FENS SUMMER SCHOOL 2022

‘Artificial and Natural Computations for Sensory Perception: What is the Link?’

22-28 May 2022

Training Center 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  Dan Yamins
               Stanford University, 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  Andreas Tolias
Baylor College of Medicine, USA
(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 - 14:30  Lunch

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

16:00 - 17:30  Jennifer Linden
The Ear Institute, University College London, UK

17:30 - 18:00  Coffee Break

18:00 - 18:30  Jennifer Linden
The Ear Institute, University College London, UK
(30 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  **Matthias Bethge**  
University of Tübingen, Germany  
(30 minutes Q&A)

10:30 - 11:00  **Coffee break**
11:00 - 13:00  **Group presentation on Machine Learning**

13:00 - 14:30  **Lunch**
14:30 - 16:30  **Josh McDermott**  
Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, USA  
(30 minutes Q&A)

16:30 - 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**