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
                 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    Na Ji
                 University of California Berkeley, USA
                 (30 minutes Q&A)

13:00 - 14:30    Lunch

14:30 - 17:30    Workshop on Machine Learning led by Edgar Walker,
                 University of Tübingen, Germany

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  **Mackenzie Mathis**  
EPFL, Switzerland  
(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**

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

13:00 - 14:30  Lunch

14:30 - 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