European Birdsong Meeting 2022

Day 1 – Friday, May 13, 2022

14:30-14:40 WELCOME Richard Hahnloser

Session I Chair: Anja Zai

14:40-15:10 Jesse Goldberg, U Cornell
Dopaminergic reward and performance error signals are gated during courtship

15:10-15:40 Anindita Das, U Paris Saclay (Giret Lab)
Songbird subthalamic neurons project to dopaminergic midbrain and exhibit singing related activity

15:40-16:10 Jörgen Kornfeld, MPI Martinsried
Connectomic analysis of songbird Area X

16:10-17:00 APÉRO

17:00-18:30 Virtual Songbird Satellite Symposium (broadcasted)

19:30-21:30 DINNER

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Day 2 – Saturday, May 14, 2022

Session II Chair: Jesse Goldberg

09:00-09:30 Coen P.H. Elemans, U Southern Denmark
The neurovocal transform changes over song learning

09:30-10:00 Iris Adam, U Southern Denmark
Songbirds need daily song to maintain peak vocal performance

10:00-10:30 Anja Zai, Institute of Neuroinformatics ETH Zurich & UZH (Hahnloser Lab)
On the role of singing for song plasticity

10:30-11:00 COFFEE BREAK

Session III Chair: Jörgen Kornfeld

11:00-11:30 Nicolas Giret, CNRS & U Paris Saclay
Distinct timescales for the neuronal encoding of vocal signals in a high-order auditory area

11:30-12:00 Roman Ursu, U Bordeaux (Leblois Lab)
Song related activity in the avian cerebellum

12:00-12:30 Eduarda Centeno, U Bordeaux (Leblois Lab)
A Python suite to investigate the relationship between neural activity and different behavioral states in songbirds: an open science approach toward data sharing

12:30-14:00 LUNCH

Session VI Chair: Adrienne Fairhall

14:00-14:30 Richard Hahnloser, Institute of Neuroinformatics ETH Zurich & UZH
Internally rewarded learning of sound inventories in birdsong

14:30-15:30 **Poster session**

Time for individually organized meetings

19:30-21:30 DINNER

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Day 3 – Sunday, May 15, 2022

Session V Chair: Arthur Leblois

09:00-09:30 Adrienne Fairhall, U Washington
Models of variability and robustness in birdsong learning

09:30-10:00 Shouwen Ma, MPI Seewiesen (Gahr Lab)
Activity-dependent plasticity during song development in the song control system of adult canaries

10:00-10:30 Albertine Leitao, MPI Seewiesen
Vocal babbling opens the sensory phase for imitative learning

10:30-11:00 COFFEE BREAK

Session VI Chair: Richard Hahnloser

11:00-11:30 Xavier Hinaut, Inria Bordeaux
Building a vocal sensorimotor model for canaries

11:30-12:00 Yarden Cohen, Weitzmann Institute
Dynamics of canary syntax across days and weeks

12:00-12:10 CONCLUDING REMARKS AND FAREWELL Richard Hahnloser