

HFSP Kickoff Meeting, July 27th – 29th, 2015

Attending HFSP-participants

Brighton: Thomas Nowotny, Alan Diamond
Tokyo: Ryohei Kanzaki, Takashi Sakurai
Tempe: Brian Smith
Konstanz: Aarti Sehdev, Paul Szyszka

Monday, July 27th

Symposium: **Odor object recognition and source localization in insects**

(Talks: 20 minutes + 10 minutes discussion)

13:00 – 13:10 Paul Szyszka

Presentation of the HFSP project: *Odor-background segregation and source localization using fast olfactory processing*

13:10 – 13:30 Paul Szyszka, University of Konstanz

High fidelity transmission of temporal stimulus cues in the insect olfactory system

13:30 – 14:00 Brian H. Smith, Arizona State University

Processing of odor mixtures in honey bees

14:00 – 14:30 Georg Raiser, University of Konstanz

Drosophila Kenyon cell responses to temporally complex odor mixtures

14:30 – 15:00 Coffee break

15:00 – 15:30 Irina Sinakevitch, Arizona State University

Chemical neuroanatomy of the antennal lobe in the honey bee *Apis mellifera*

15:30 – 16:00 Thomas Nowotny, University of Sussex

Exploring neural mechanisms of odor object-segregation in computational models

16:00 – 16:30 Alan Diamond, University of Sussex

A GPU-based neuromorphic classifier for chemosensing applications

16:30 – 17:00 Coffee break

17:00– 17:30 Takeshi Sakurai, The University of Tokyo

Genetic manipulation of odorant response of the silkworm antennae

17:30 – 18:00 Ryohei Kanzaki, The University of Tokyo

Insect-robot hybrid system for evaluating the neural basis of odor-source localization

18:00 – 18:30 Open discussion

The Symposium will take place in Room M630, University of Konstanz.

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Tuesday, July 28th

Meeting of HFSP-participants (Giovanni and interested people from the group are welcome!)

9:00 – 13:00 **Publication plans**

(planning projects, what are the expected results?, how will we interact?)

We could work on this as entire group, or in subgroups – let`s decide about the format on-site.

9:00 – 9:30 Diskussion in entire group

9:30 – 10:00 Subgroups: Szyszka & Nowotny Smith & Kanzaki

10:00 – 10:30 Subgroups: Nowotny & Smith Kanzaki & Szyszka

10:30 – 11:00 Subgroups: Smith & Szyszka Kanzaki & Nowotny

11:00 – 13:00 Entire group: Report from Tandems, Diskussion.

13:00 – 14:00 Lunch

14:00 – 16:00 **Interfaces**

(what kind of models are we doing and how would they interact with what`s happening on the robot etc.)

16:00 – 17:00 **Publicity**

(website, dissemination events, twitter account, Facebook page, ???)

Evening: Tour through Konstanz, Dinner.

Wednesday, July 29th

Meeting of HFSP-participants (Giovanni and interested people from the group are welcome!)

9:00 – 11:00 **Data**

(what, how, how will it interact, formats, exchange, archiving, open data?, IP?)

11:00 – 13:00 **Interfaces**

(what kind of models are we doing and how would they interact with what`s happening on the robot etc.)

13:00 – 14:00 Lunch

14:00 – 16:00 **Milestones**

(discuss goals and milestones for next 6 month)

16:00 – 17:00 **Plan next meetings**