

# NSI workshop 2019

## Neural mechanisms underlying behavior

開催日 **11/12 TUE.—13 WED.**

開催場所 **名古屋大学理学南館 1 階セミナー室**  
1<sup>st</sup> floor, Science South Building,  
Nagoya University

### 講演者

**11/12 TUE. 13:30 ~**  
**Mixer 17:30**



**Eviatar Yemini**  
Columbia University



**Alon Zaslaver**  
Hebrew University of Jerusalem



**Asuka Takeishi**  
RIKEN



**Naoki Honda**  
Kyoto University



**Shunji Nakano**  
Nagoya University

**11/13 WED. 9:00 ~**



**Olena Riabinina**  
Durham University



**Thomas Auer**  
University of Lausanne



**Matthew Paul Su**  
Nagoya University



**Takashi Matsuo**  
The University of Tokyo



**Ryoya Tanaka**  
Nagoya University

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Date: 11/12-11/13/2019

## Program Schedule

### Tuesday, November 12, 2019

13:30 Opening Remarks, [Ikue Mori](#)

#### *Session 1:*

- 13:40 [Eviatar Yemini](#): *NeuroPAL: A Neuronal Polychromatic Atlas of Landmarks for Whole-Brain Imaging in C. elegans*
- 14:25 short break
- 14:30 [Alon Zaslaver](#): *Calculating derivatives yet behaving irrationally - lessons from worms.*
- 15:15 break
- 15:30 [Asuka Takeishi](#): *Neural Communication that Mediates Starvation-dependent Thermotaxis Plasticity in C. elegans*
- 16:00 [Naoki Honda](#): *Identification of animal behavioral and learning principles by inverse reinforcement learning.*
- 16:30 [Shunji Nakano](#): *Valence coding of thermal stimulus by bidirectional activity of a single interneuron in C. elegans*
- 17:30 Mixer

### Wednesday, November 13, 2019

#### *Session 2*

- 9:00 Session Introduction, Ryoya Tanaka
- 9:05 [Olena Riabinina](#): *Genetic tools to study anatomy and function of mosquito olfactory system*
- 9:50 short break
- 9:55 [Thomas Auer](#): *The making of an olfactory specialist*
- 10:40 break
- 11:00 [Matthew Paul Su](#): *Sex and species-specific differences in mosquito hearing mechanisms*
- 11:30 [Takashi Matsuo](#): *Drosophila prolongata as a model species of sexual selection studies.*
- 12:00 [Ryoya Tanaka](#): *The neural mechanisms for species-specific courtship behavior in Drosophila subobscura*
- 12:25 Open Discussion & Closing Remarks, [Azusa Kamikouchi](#)