# The Joint Symposium of WPI-IIIS, Ph.D. Program in Humanics, and 36th Takamine Conference.

## Fusion of Biomedical and Physical/Informational Sciences in Neurobiology

## Time Table

**Date: November 26th (Tue.), 2019**
**Tokyo Conference Center Shinagawa, 5F Hall A and B**

### Opening

| | | | |
|---|---|---|---|
| 10:00 - 10:15 | Welcome | **Masashi Yanagisawa** | Program Coordinator, Ph.D. Program in Humanics/ Director, WPI-IIIS, University of Tsukuba |
| | Opening Address 1 | **Akira Ukawa** | WPI Program Director |
| | Opening Address 2 | **Masaaki Takahashi** | Managing Director, Daiichi Sankyo Foundation of Life Science |

### Session for WPI-IIIS | Chair: Arisa Hirano (WPI-IIIS, University of Tsukuba)

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| 10:15 - 10:50 | Neural mechanisms for learning from a small sample | **Mitsuo Kawato** | ATR Brain Information Communication Research Laboratory Group |
| 10:50 - 11:25 | Searching for neural correlates of sleepiness | **Sakiko Honjoh** | WPI-IIIS, University of Tsukuba |

### 36th Takamine Conference

#### 17th Takamine Memorial Daiichi Sankyo Prize Lecture | Chair: Takao Saruta (Keio University)

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| 11:25 - 12:10 | Toward the Mysteries of Sleep | **Masashi Yanagisawa** | WPI-IIIS, University of Tsukuba |
| 12:10 - 12:30 | Lunch Preparation | | |

#### Part 1 | Chair: Masashi Yanagisawa (WPI-IIIS, University of Tsukuba)

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| 12:30 - 13:05 | An engineering approach to pain | **Ben Seymour** | Center for Information and Neural Networks (CiNet), National Institute of Information and Communications Technology (NICT) |
| 13:05 - 13:40 | Function and connectivity of a visual circuit underlying optic flow processing in zebrafish | **Fumi Kubo** | National Institute of Genetics |
| 13:40 - 14:10 | Tea Break | | |

#### Part 2 | Chair: Masashi Yanagisawa (WPI-IIIS, University of Tsukuba)

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| 14:10 - 14:55 | Sleep: A worm's eye view | **Henrik Bringmann** | Philipps University of Marburg |
| 14:55 - 15:30 | CryoEM analysis of the GPCR neurotensin receptor 1-G protein complex | **Hideaki Kato** | The University of Tokyo |
| 15:30 - 15:40 | Break | | |

### Poster Session | Chair: Masayuki Matsumoto (University of Tsukuba)

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| 15:40 - 16:50 | Data Blitz and Poster Presentation |
| 16:50 - 17:05 | Photo / Break |

### Session for Ph.D. Program in Humanics | Chair: Jun Izawa (University of Tsukuba)

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| 17:05 - 17:40 | Creating Neurological Rehabilitation with Brain-Machine Interfaces | **Junichi Ushiba** | Keio University |
| 17:40 - 18:15 | Artificial Intelligence and Brain Science | **Kenji Doya** | Okinawa Institute of Science and Technology Graduate University |
| 18:15 | Closing | | |
| 18:30 - 20:00 | Reception | | |