Curriculum vitae

Satoshi Terada
Email: st3166@columbia.edu

Education

Institution	Date	Degree	Department
Fukuoka University	2011	BA.	Psychology
Kyoto University	2013	MA.	Psychology
Kyoto University	2016	Ph.D	Psychology

Employment

2016-2018 Postdoctral fellow in RIKEN BSI
2018- Postdoctral fellow in Columbia Univestity

Research Experience

2018-
The Mortimer Zuckerman Mind Brain and Behavior Institute at Columbia University
New York, NY, USA
Postdoctral fellow (with Prof. Attila Losonczy)

- Revealing how temporal coding in hippocampus for associative memory is affected in genetic model of schizophrenia by using two-photon imaging with LFP recording

2013-2018
RIKEN Brain Research Institute Laboratory for System Neurophysiology
Saitama, Japan
PhD Student (Supervisor: Dr.Shigeyoshi Fujisawa)

- Revealing temporal and rate coding in hippocampus for non-spatial associative memory by using large-scale extracellular electrophysiological and behavioral neuroscience tequniques

2011-2013
Kyoto University, Department of Psychology
Kyoto, Japan
Master course student (Supervisor: Dr.Yoshio Sakurai)

- Revealed functional dissociation and interaction between the amygdala and hippocampus in behavioral modulation based on reward expectations by using electrophysiological and behavioral sciencence tequniques.

Publications

Terada S, Sakurai Y, Nakahara H, and Fujisawa S. (2017) Temporal and rate coding for discrete event sequences in the hippocampus. *Neuron* . 94, 1248-1262.

Terada S, Takahashi S, and Sakurai Y. (2013) Oscillatory interaction between amygdala and hippocampus coordinates behavioral modulation based on reward expectation. *Frontiers in Behavioral Neuroscience* , 7(177),1-12.

Altman CF, Terada S, Kashino M, Goto K, Mima T, Fukuyama H, Furukawa S. (2014) Independent or integrated processing of interaural time and level differences in human auditory cortex? *Hearing research* . 312,121-127.

Altman CF, Hiraumi H, Terada S, Adachi T, Votinov M, Ono K, Mima T, and Fukuyama H. (2013) Preattentive processing of horizontal motion, radial motion, and intensity changes of sounds. *Neuroreport* . 24(15), 861-865.

Sakurai Y, Nakazono T, Ishino S, Terada S, Yamaguchi K, and Takahashi S. (2013). Diverse synchrony of firing reflects diverse cell-assembly coding in the prefrontal cortex. *Journal of Physiology-Paris* . 107,459-470.

Nakazono T, Terada S, and Sakurai Y. (2013). Neuronal plasticity and interaction of the hippocampus. *Japanese Psychological Review* . 56, 338-354.

Oral Presentations

Terada S, and Fujisawa S. (2017) Temporal and rate coding for non-spatial event sequences in the hippocampus. International symposium Neural Oscillation Conference 2017, Problems of Consciousness and Nuropsychiatric Disorders as Network Diseases. "Consciousness and Multiple Levels of Non-linear Brain."

Terada S, Sakurai Y, and Takahashi S. (2014) Oscillatory interaction coordinates behavioral modulation based on reward expectation. 57th Japanese Society for Neurochemistry. "Neural circuits, functions and regulation of emotional, conational and behavioral decision-making underlying impulsiveness, mood disorder and frug abuse."

Research Grants

2014-2016
Grant-in-Aid for Scientific Reserch (DC) (14j02824), JSPS, Neuronal circuit mechanism undelying behavioral modulation based on reward expectation.

2016-2017
Grant-in-Aid for Research Activity start-up (16H07444), JPSP, Cortical-hippocampal circuit dynamics underlying hippocampal temporal coding for the configural association

2018-2019

Overseas Research Fellowships, The Naito Foundaion

2019-2020
Overseas Reasearch Fellowships, JSPS, BDNF release driven by sharp-wave ripple for memory consolidation in vivo .

References

Dr.Shigeyoshi Fujisawa, Ph.D.
Team Leader,
RIKEN BSI Lab for Systems Neurophysiology
2-1Hirosawa. Wako-shi, Saitama, 351-0198, Japan
Phone: +81-48-462-1111 ext.6211
E-mail: Shigeyoshi.fujisawa@gmail.com

Dr. Yoshio Sakurai, Professor
Doshisha University Graduate School of Brain Science
1-3 Tatara Miyakodani, Kyotanabe-shi, Kyoto 610-0394
Phone: +81-0774-65-7182
E-mail: ysakurai@mail.doshisha.ac.jp

Dr. Hiroyuki Nakahara, Ph.D.
Team Leader
RIKEN BSI Lab for Integrated Theoretical Neuroscience
2-1Hirosawa. Wako-shi, Saitama, 351-0198, Japan
Phone: +81-48-467-9663
E-mail: itn-assistants@brain.riken.jp