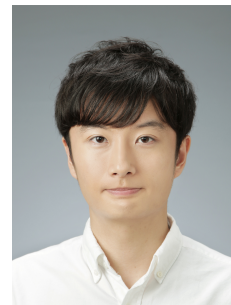


Yu Terada

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Current position

Lab for Neural Computation and Adaptation,
RIKEN Center for Brain Science
Special Postdoctoral Researcher
Supervisor: Dr. Taro Toyoizumi

Japan
April 2018 - Present

Past position

- Main affiliation

Kabashima Lab,
Department of Mathematical and Computing Science, School of Computing,
Tokyo Institute of Technology
Postdoctoral Researcher
Supervisor: Prof. Yoshiyuki Kabashima

Japan
April 2017 - March 2018

- Concurrent affiliation

Kabashima Lab,
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Tokyo Institute of Technology
Visiting Postdoctoral Researcher
Supervisor: Prof. Yoshiyuki Kabashima

Japan
April 2018 - March 2019

Roudi group,
Kavli Institute for Systems Neuroscience, School of Medicine,
Norwegian University of Science and Technology
Visiting Postdoctoral Researcher
Supervisor: Prof. Yasser Roudi

Norway
October 2018 - February 2018, June 2019-July 2019

Education

Department of Applied Analysis and Complex Systems, Graduate School of Informatics,
Kyoto University
Doctor and Master of Informatics
Supervisor: Prof. Toshio Aoyagi

April 2012 - March 2017

Department of physics, School of Science,
Tokyo Institute of Technology
Bachelor of Science
Supervisor: Prof. Hidetoshi Nishimori

April 2008 - March 2012

Publications

1. **Yu Terada**, Tomoyuki Obuchi, Takuya Isomura, and Yoshiyuki Kabashima, “Inferring Neuronal Couplings From Spiking Data Using a Systematic Procedure With a Statistical Criterion”, *Neural Computation* **32**, 2187-2211 (2020).
2. **Yu Terada** and Yoshiyuki Y. Yamaguchi, “Linear response theory for coupled phase oscillators with general coupling functions”, *Journal of Physics A: Theoretical and Mathematical* **53**, 044001 (2020).
3. **Yu Terada**, Tomoyuki Obuchi, Takuya Isomura, and Yoshiyuki Kabashima, “Objective and efficient inference for couplings in neuronal networks”, *Advances in Neural Information Processing Systems 31 (NeurIPS 2018)*. This article was featured in *Machine Learning 2019* in *Journal of Statistical Mechanics: Theory and Experiment*.
4. **Yu Terada**, Keigo Ito, Toshio Aoyagi, and Yoshiyuki Y. Yamaguchi, “Nonstandard transitions in the Kuramoto model: a role of asymmetry in natural frequency distributions”, *Journal of Statistical Mechanics: Theory and Experiment*, 013403 (2017). This article was selected in *JSTAT Highlights*.
5. **Yu Terada** and Toshio Aoyagi, “Dynamics of two populations of phase oscillators with different frequency distributions”, *Physical Review E* **94**, 012213 (2016).

Grants

- **Japan Society for the Promotion of Science:
Grants-in-Aid for Scientific Research (KAKENHI)**
Title: “Theoretical research on spatiotemporal information processing in the brain”
Category: Grant-in-Aid for Early-Career Scientists
Period: April 2019 - March 2023
Amount: ¥4,290,000
- **TATEISI Science and Technology Foundation:
International Visiting**
Recipient: Professor Yasser Roudi at Norwegian University of Science and Technology
Period: August 2018 - January 2019
Amount: ¥500,000