

# Haruna Fujioka

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Postdoctoral Fellow  
Research Fellow for Young scientists (PD)  
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BORN: March/20/1993 PLACE OF BIRTH: Ibaraki CITIZENSHIP: Japan

## WORK HISTORY

- Oct 2020 -** Cross-border Postdoctoral Fellowship (CPD)  
The Japan Society the Promotion of Science (JSPS)
- Apr 2020** Research Fellow for Postdoctoral Fellow (PD)  
Research Fellowships for Young Scientists  
The Japan Society the Promotion of Science (JSPS)
- 2018 - 2020** Research Fellow for Doctoral Course Students (DC2)  
Research Fellowships for Young Scientists  
The Japan Society the Promotion of Science (JSPS)

## EDUCATION

- 23 Mar 2020** Ph.D. in Laboratory of Biology  
School of Arts & Sciences, University of Tokyo,  
Supervisor: Dr. Yasukazu Okada, Dr. Takehito Yoshida  
**Thesis title** "Chronobiology of ant society: social interactions regulate task and time allocations"
- 2017** Master of Arts, University of Tokyo  
Supervisor: Dr. Masakazu SHIMADA
- 2015** Bachelor of Science, Chuo University (Tokyo)

## RESAECHE SUPPORT

- Apr 2020** - Research Fellow for Young scientists for Postdoctoral Fellow  
Grant-in-Aid for JSPS Fellows, Grand number JP20J01766
- Apr 2018 -  
Mar 2020** - Research Fellow for Young scientists for Doctoral Course Students  
Grant-in-Aid for JSPS Fellows  
Amount: 1,700,000JPY, Grand number JP18J13369
- 2017** - Leave a Nest Grant, Deep learning Award  
Funding Agency: Sony Network Communications Inc.  
Amount: 500,000JPY
- Apr 2017 -  
Mar 2018** - Public Interest Incorporated Foundation,  
The Sasakawa Scientific Research Grant Funding Agency:  
The Japan Science Society  
Amount: 750,000JPY

## PUBLICATIONS

### \*Corresponding author

1. **Haruna Fujioka\***, Yasukazu Okada, Masato S. Abe.  
"Individual Ants Do Not Show Active–rest Rhythms in Natural Nest Conditions."  
bioRxiv (2020)
2. **Haruna Fujioka\***, Yasukazu Okada, Masato S. Abe\*.  
"Bipartite network analysis of ant-task associations reveals task groups and  
absence of colonial daily activity." bioRxiv (2020)
3. Yasukazu Okada\*, Masako Katsuki, Naoki Okamoto, **Haruna Fujioka**, & Kensuke  
Okada. "A specific type of insulin-like peptide regulates the conditional growth  
of a beetle weapon." PLoS biology 17.11 (2019). doi: 10.1371/  
journal.pbio.3000541
4. **Haruna Fujioka\***, Yasukazu Okada, "Liquid exchange via stomodeal trophallaxis  
in the ponerine ant *Diacamma* sp. from Japan" Journal of Ethology 37(3) (2019):  
371-375.
5. **Haruna Fujioka\***, Masato S. Abe, Yasukazu Okada, "Observation of plugging  
behaviour reveals entrance-guarding schedule of morphologically specialised  
caste in *Colobopsis nipponicus*" Ethology 125(8) (2019): 526-534.

6. **Haruna Fujioka**, Masato S. Abe, Yasukazu Okada\*, "Ant activity-rest rhythms vary with age and interaction frequencies of workers" Behavioral Ecology and Sociobiology 73.3 (2019): 30.
7. **Haruna Fujioka**, Masato S. Abe, Taro Fuchikawa, Kazuki Tsuji, Masakazu Shimada, Yasukazu Okada\*, Ant circadian activity rhythms associated brood care type, Biology Letters, 13.2 (2017): 20160743.

## **EDUCATIONAL ACTIVITIES**

## **SCIENTIFIC SKILLS**

<b>2015 – 2019</b>	Teaching Assistant in University of Tokyo Laboratory experiment in Biology (Life Science)
<b>2017</b>	Teaching Assistant in University of Tokyo Field Work (Observation of Pollinator)
<b>2017</b>	Teaching Assistant in University of Tokyo Science seminar for Fresh-Year (Nest relocation in ant)

Behavioral observation, Image based Tracking, General statistics, Analysis of time-series data, Insect dissection (ovary, brain etc.), General molecular biology (RNA DNA extraction, qPCR etc.)