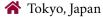
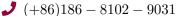
## Bin LI

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# **Education**

2023 - now Ph.D. Candidate, Graduate School of Frontier Science, the University of Tokyo

2021 – 2023 M.Eng., Graduate School of Engineering, the University of Tokyo

Thesis title: Evaluation of Task-Oriented Learning Ability of Spiking Neural Networks under Excitation-Inhibition Interaction.

2017 – 2021 **B.S., Department of Physics, Jilin University** 

Thesis title: Structural and Optical Properties of  $Cs_2AgIn_0.9Bi_0.1Cl_6$  Nanocrystals Under High Pressure.

## **Research Publications**

#### **Journal Articles**

- **B. Li**, R. Iguchi, H. Noyama, T. Zheng, K. Kotani, and Y. Jimbo, "The effects of biological constraints on the performance of spiking neural networks," *IEEJ Transactions on Electronics, Information and Systems*, vol. 143, no. 7, pp. 634–640, 2023. ODI: 10.1541/ieejeiss.143.634.
- H. Noyama, Y. Yoshikai, **L. Bin**, R. Iguchi, K. Kotani, and Y. Jimbo, "Analysis of a neural population model for interaction of LFP and individual action potential," *IEEJ Transactions on Electrical and Electronic Engineering*, vol. 18, no. 4, pp. 597–604, 2023, ISSN: 1931-4981. ODI: 10.1002/tee.23764.

## Skills

Languages English(Fluent, TOFEL 92), Mandarin Chinese (Native), Japanese (Fluent, N1).

Coding Python, Matlab, LTEX

# Miscellaneous Experience

#### **Awards and Achievements**

Research Fellowship for Young Scientist DC1, Japan Society for the Promotion of Science.

**UTokyo Todai Fellowship**, the University of Tokyo.