Stanford

Hajime Fujita

- Ph.D. Student in Bioengineering, admitted Autumn 2022
- Masters Student in Bioengineering, admitted Spring 2024

Bio

BIO

Hajime Fujita (###, he/him/his) is a Ph.D. student in Prof. Tom Soh's group at Stanford University where he works at the intersection of applied chemistry and hardware.

HONORS AND AWARDS

- Funai Overseas Scholarship, Funai Foundation of Information Technology
- Stanford Graduate Fellowship, Stanford University
- Doctoral Fellowship (DC1), Japanese Society for the Promotion of Science (2022)
- Yoshinori Ohsumi Outstanding Paper Award, Tokyo Institute of Technology (2022)
- Doctoral Fellowship, Japan Science and Technology Agency (2021-2022)
- Half-year accelerated graduation of Master program, Tokyo Institute of Technology (2021)
- Graduate Fellowship, Tokyo Tech Academy of Super Smart Sociery / MEXT, Japan (2020-2021)
- Research grant for visiting Stanford University, Astellas Pharma Rx+ Accelerator Program (2019)
- Student Leadership Award, Tokyo Institute of Technology (2019)
- Grand Prize - 2nd Place, Stanford Healthcare Hackathon (health++) (2018)
- Gold Medal, International Genetically Engineered Machine Competition (iGEM) (2017)
- Regional Award, National Chemistry Olympiad in Japan / Chemical Society of Japan (2015)

EDUCATION AND CERTIFICATIONS

- MS, Tokyo Institute of Technology , Bioengineering (Advisor: Prof. Toshinori Fujie) (2021)
- UROP, Singapore University of Technology and Design , Engineering Product Design (Advisor: Prof. Michinao Hashimoto) (2019)
- BS, Tokyo Institute of Technology , Bioengineering (2020)

PATENTS

- Hajime Fujita, Toshinori Fujie. "Japan Patent 2021173651 Biometric device", Tokyo Institute of Technology, Nov 1, 2021
- Hajime Fujita. "Japan Patent 2021128374 Map recommendation system for stroller users", Pigeon Inc., Sep 2, 2021

LINKS

- Personal website: https://hajime-fujita.me
- LinkedIn: https://www.linkedin.com/in/hajifujita

- Twitter: https://twitter.com/hftech96
- Google Scholar: https://scholar.google.com/citations?user=VE06nMMAAAAJ

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Biosensors

Publications

PUBLICATIONS

- **Paper-Based Wearable Ammonia Gas Sensor Using Organic-Inorganic Composite PEDOT:PSS with Iron(III) Compounds** *ADVANCED MATERIALS TECHNOLOGIES*
  Fujita, H., Hao, M., Takeoka, S., Miyahara, Y., Goda, T., Fujie, T.
  2022

- **Design and fabrication of a flexible glucose sensing platform toward rapid battery-free detection of hyperglycaemia** *JOURNAL OF MATERIALS CHEMISTRY C*
  Fujita, H., Yamagishi, K., Zhou, W., Tahara, Y., Huang, S., Hashimoto, M., Fujie, T.
  2021; 9 (23): 7336-7344

- **Transparent and Breathable Ion Gel-Based Sensors toward Multimodal Sensing Ability** *ADVANCED MATERIALS TECHNOLOGIES*
  Isano, Y., Fujita, H., Murakami, K., Ni, S., Kurotaki, Y., Takano, T., Isoda, Y., Matsuda, R., Nakamura, F., Nishitai, Y., Ochirkhuyag, N., Inoue, K., Kawakami, et al
  2022

- **Flexible Induction Heater Based on the Polymeric Thin Film for Local Thermotherapy** *ADVANCED FUNCTIONAL MATERIALS*
  Saito, M., Kanai, E., Fujita, H., Aso, T., Matsutani, N., Fujie, T.
  2021; 31 (32)