

# Ph.D. Candidate in Advanced Sciences | Postdoctoral Opportunities in 2025

## Personal Information

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## Education

- 2022-2025 **Ph.D.in Advanced Sciences**, Ochanomizu University  
**Doctoral Dissertation:** *"Elucidating Brain Information Processing Mechanisms Based on Sex and Individual Differences in Response to Musical Stimuli"*
- 2020-2022 **M.Sc.in Advanced Sciences**, Ochanomizu University  
**Master's Thesis:** *"BrainBERT: Developing a Language Model to Map Neural Correlates of Cognitive Processing to Textual Data"*
- 2012-2016 **Bachelor in Software Engineering**, College of Mathematics and Computer Science, Fuzhou University, China

## Publication

### International Conference

- 2024 Ying Luo, Satoshi Nishida, Ichiro Kobayashi. **Exploring Individual and Sex Differences from Brain EEG Signals under Music Stimuli**. 2024 Joint 13th International Conference on Soft Computing and Intelligent Systems and 25th International Symposium on Advanced Intelligent Systems (SCIS&ISIS2024), Japan.
- 2023 Ying Luo, Ichiro Kobayashi. **BrainLM: Estimation of Brain Activity evoked Linguistic Stimuli utilizing Large Language**. IEEE-SMC2023(Best Paper Candidates).Hawaii.
- 2021 Ying Luo, Ichiro Kobayashi. **BrainBERT: An Approach to Language Model Capturing the Correspondence between Brain Activities and Language**. International Symposium on Advanced Intelligent System(ISIS2021; Best Presentation Award).
- 2021 Ying Luo, Lis Kanashiro Pereira, Ichiro Kobayashi. **OCHADAI at SMM4H-2021 Task 5: Classifying self-reporting tweets on potential cases of COVID-19 by ensembling pre-trained language models**. Workshop of SMM4H 2021, NAACL2021.

### Domestic Conference

- 2024 Ying Luo, Satoshi Nishida, Ichiro Kobayashi. **Ensemble Transfer Learning for Multilingual Learning via BrainLM: A Multi-modal Model**. JSAI2024. Shizuoka.
- 2023 Ying Luo, Satoshi Nishida, Ichiro Kobayashi. **The Music LP Dataset: EEG measurement of human brain activity under passive and active musical stimulation**. JSAI2023. Kumamoto.

- 2023 Ying Luo, Ichiro Kobayashi. **An approach to general-purpose language modeling for brain state estimation.** NLP2023. Okinawa.
- 2022 Ying Luo, Ichiro Kobayashi. **Estimation of brain states under linguistic stimuli using a general-purpose language model.** JSAI2022. Kyoto.
- 2021 Ying Luo, Ichiro Kobayashi. **BrainBERT: An approach to language model building based on the correspondence between brain activity and text.** FSS2021.

## Invited Talk

- 2024 Plenary Talk, School of Computer Science and Big Data, Fuzhou University
- 2023 Plenary Talk, National Institute of Advanced Industrial Science and Technology (AIST)

## Languages & Certifications

- Languages English (Fluent), Japanese (Fluent), Chinese(Native), Spanish(Beginner, via Duolingo), German(Beginner, via Duolingo)
- Certifications JLPT N1, TOEFL iBT (Score: 85), Project Management Certification(PMP)
- Others AT Driving license

## Grants, Honours, Awards & Volunteer Experiences

- 2023-2025 Research grant (Grant-in-Aid for JSPS Fellows): 900,000 yen per year by Japan Society for the Promotion of Science (JSPS); <https://research-er.jp/projects/view/1226696>
- 2023-2025 Research Fellowships for Young Scientists(DC2) by Japan Society for the Promotion of Science (JSPS)
- 2022-2023 Research grant (Grant-in-Aid for JST Fellows): 200,000 yen per year by Japan Science and Technology Agency (JSPS)
- 2022-2023 Academic Production Fellowships for Doctor Students by Japan Science and Technology Agency(JST)
- 2016 Excellent Graduates at Undergraduate Level
- 2012-2016 University-level Second-prize Scholarship, Fuzhou University
- 2024 Conference Volunteer. INLG 2024. Tokyo, Japan.
- 2023 Conference Volunteer. IEEE-SMC2023. Honolulu, Hawaii.

## Work Experience or Internship

- 2021 Teaching Assistant in "Information Processing Exercise", Graduate School of Humanities and Sciences, Ochanomizu University.
- 2020-2023 Research Assistant in Kobayashi Laboratory, Graduate School of Humanities and Sciences, Ochanomizu University.
- 2016-2019 Project Manager in Shanghai Definesys Information Technology Co., Ltd.