

OIST MLDS Visiting Research Scholar Program in Okinawa, Japan, 2023



The Okinawa Institute of Science and Technology Graduate University (OIST; see www.oist.jp) is a dynamic new graduate university of science and technology in Okinawa Prefecture, Japan. The university is located on 85 hectares of protected forestland overlooking beautiful shoreline and coral reefs. The campus is striking architecturally, and the facilities are outstanding ([OIST campus video tour](#)). There are no academic departments, which facilitates multidisciplinary research. Outstanding resources and equipment are provided and managed to encourage easy access and collaboration. English is the official language of the University, and the university research community is fully international, with more than 50 countries represented. OIST is rapidly gaining recognition in the worldwide academic community as a model for excellence in education and research.

Machine Learning and Data Science (MLDS) unit (<https://groups.oist.jp/mlds>)

In the machine learning and data science (MLDS) unit, we focus on developing fundamental machine learning algorithms and solving important scientific problems using machine learning. We are currently interested in statistical modeling for high-dimensional data, including kernel and deep learning models and geometric machine learning algorithms, including graph neural networks (GNN), optimal transport problems, sparse learning, and weakly supervised methods. Moreover, we are interested in machine learning applied to histopathology and GWAS.

Target of visiting

- Collaborate with MLDS members and publish papers.

Unit Members: <https://groups.oist.jp/mlds/members>

Eligibility

- Master / Ph.D. students. (**This is a hard constraint**; for undergraduate students, please apply to the OIST internship program).

- Programming skills: Python, C++, etc.

- Mathematical skills: Linear algebra, optimization, probability.

Number of openings and duration

- Up to 5 graduate students in 2023.
- 3 months. (The duration and start date can be negotiable)

Support

We will provide the following support for successful applicants.

- Allowance. JPY 2,400 per working day (weekends excluded)
- Commuting Allowance. OIST Shuttle Bus Pass
- Travel Expenses. One direct round-trip air ticket
- Accommodation. Furnished apartment on- or off-campus

Application Process

All applications received before **January 10th, 2023** will be given full consideration. Applications deadline will continue until the position is filled. (Applications will be screened upon arrival)

How to apply: submit the following documents in **a single pdf** [here](#).

- Curriculum vitae
- Cover letter + research statement (about one A4 page)
Motivation, the list of courses, and the current research projects.

Please write "**Application for OIST-MLDS Visiting Research scholar**" and the **proposed date of visiting** in the description box.

Zoom interviews: We will arrange the zoom interview for selected candidates.

We plan to send the notification in March.

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