



Okinawa Institute of Science and Technology
Researcher (Postdoctoral Scholar) in Developmental Neurobiology Unit

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.

Unit summary:

Developmental neurobiology unit in the OIST has investigated the mechanism of vertebrate retinal development, especially neuronal differentiation and neural circuit formation, using zebrafish as an animal model. Furthermore, the unit has also investigated the mechanism underlying photoreceptor degeneration and regeneration. Throughout these research projects, we will establish novel concepts that govern development of multicellular organisms and also contribute to understanding pathological processes involved in human eye diseases. Information on our research is shown in our lab URL (<https://groups.oist.jp/dnu>).

Position:

Researcher (Postdoctoral Scholar), Developmental Neurobiology Unit

Working Location:

1919 - 1 Tancha, Onna-son, Okinawa, Japan 904-0495

Responsibilities:

We are searching a researcher, who will investigate either of following research topics, using zebrafish as an animal model.

- 1) Mechanism of retinal cell differentiation and neural circuit formation
- 2) Molecular and cellular mechanism of photoreceptor degeneration and regeneration
- 3) Role of microglia in neuronal degeneration and regeneration

We appreciate application of young motivated researchers who have worked in the field of cell and developmental biology and are willing to contribute to medical therapy for human eye genetics disease.



(References)

Nisiwaki et al., (2013) Dev. Cell 25(4):374-87. doi: 10.1016/j.devcel.2013.04.015

Irbarne et al., (2017) Sci Rep. 2017 Apr 5;7:45962. doi: 10.1038/srep45962.

Irbarne et al., (2019) Front Cell Dev Biol. 7:296. doi: 10.3389/fcell.2019.00296. eCollection 2019.

Nisiwaki and Masai (2020) Sci. Rep. 17379. doi: 10.1038/s41598-020-74360-x.

Ranawat and Masai (2021) eLife 10:e70550. Doi: 10.7455/eLife.70550.

Qualifications:

(Required)

1. Applicants should have ph.D in the field of cell biology or developmental neurobiology. PhD acquisition should be done within no more than 5 years before they start to be employed by the OIST.

(Preferred)

1. Knowledge and experience of genetics, histology, and molecular biology are desirable.

Report to:

Prof. Ichiro Masai

Starting Date:

After 1 April 2022

Term & Working hours:

Full-time, appointment for 1 year contract initially with 3 month probationary period (renewable within 5 years maximum)

Working hours: 9:00-17:30

Compensation & Benefits:

Compensation in accordance with the OIST Employee Compensation Regulations

Benefits:

- Relocation, housing and commuting allowances
- Annual paid leave and summer holidays
- Health insurance (Private School Mutual Aid <http://www.shigakukyosai.jp/>)
- Welfare pension insurance (kousei-nenkin)



- Worker's accident compensation insurance (roudousha-saigai-hoshou-hoken)

How to Apply:

Apply by emailing your Submission Documents to:

zebrafish-recruit2021-ps#oist.jp

(Please replace [at] with @ before using this email address)

Or send documents via post mail to:

Mizuki Otake (Ms), Developmental Neurobiology Unit

Okinawa Institute of Science and Technology Graduate University

1919-1, Onna, Onna-son, Okinawa 904-0495, Japan

Submission Documents:

- 1) Curriculum vitae with photograph
- 2) Publication list (research papers and oral/poster presentation in scientific meetings)
- 3) Brief description of your past work and short explanation of application's reasons for applying (A4, 2 -3 pages)
- 4) E-mail address of two references who can evaluate applicant quality (past or current supervisors are preferable).

* Please be sure to indicate where you first saw the job advertisement.

* Prior to the start of employment all new hires are required to successfully complete a background check. Personal information including employment history and academic background should be submitted to third-party administrators after a conditional offer of employment.

Application Due Date:

Applications deadline will continue until the position is filled (Applications will be screened upon arrival)

Declaration:

- * OIST Graduate University is an equal opportunity, affirmative action educator and employer and is committed to increasing the diversity of its faculty, students and staff. The University strongly encourages women and minority candidates to apply.
- * Information provided by applicants or references will be kept confidential, documents will not be returned. All applicants will be notified regarding the status of their applications.



- * Please view our policy for rules on external professional activities (<https://groups.oist.jp/acd/information-disclosure/>).
- * Further details about the University can be viewed on our website (www.oist.jp).