



**Okinawa Institute of Science and Technology**  
**Postdoctoral Scholar position in Micro/Bio/ Nanofluidics Unit**

The Okinawa Institute of Science and Technology Graduate University (OIST; see [www.oist.jp](http://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.

**Position summary:**

The Micro/Bio/Nanofluidics Unit (<https://groups.oist.jp/mbnu>) at OIST is looking for postdocs with a strong background in microfluidics and rheology. Recently, using 3D-printed microfluidic devices, our group has reported elastic instabilities and elastic turbulence resulting from fluid-structure interactions between slender flexible filaments and a viscoelastic fluid, by using a number of flow visualization and diagnostic techniques (see relevant references below). To extend this work, one position is on canopy turbulence in small length scales (related to fluid-structure interaction and flow-induced structural formation in microfluidics) and the other position is open to the general area of Microfluidics and Rheology.

**Position:**

Postdoctoral Scholar position in Micro/Bio/ Nanofluidics Unit

**Working Location:**

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

**Qualifications:**

**(Required)**

1. Candidates should have a PhD in chemical engineering, mechanical engineering, engineering physics, or a related discipline.
2. Prior experience in rheology, micro/nanofluidics, micro/nanofabrications, flow visualization, or numerical simulations/CFD is preferred.



- Candidates will work in a multidisciplinary group of engineers, physicists, chemists, and biologists. Peer-reviewed publications in high quality journals are a must.

**Report to:**

Professor Amy Shen : Micro/Bio/Nanofluidics Unit

**Starting Date:**

as early as January 1, 2022

**Term & Working hours:**

Term: Full-time, the position is initially for one year and can be extended to 2 more years based on performance and mutual agreement.

Working hours: 9:00-17:30 (Discretionary)

**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:

Prof. Amy Shen **amy.shen [at]oist.jp**

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

We will contact you by email if your skills and research experience match the job profile.

**Submission Documents:**

- Cover letter (your research background and motivation)
- CV including the publication list



- Description of previous research accomplishments (no more than 2 pages)
- Names of 2 potential reference writers

**Application Due Date:**

Applications deadline will continue until the position is filled.

**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](http://www.oist.jp)).