

Prof. Nobuyuki Futai

Laboratory name

Biomicrofluidics Laboratory

Keyword

Microfluidics, Cell Culture Devices,
Viral Culture, Liquid Biopsy, Microplastics, Microgravity

Tasks in the laboratory

Researches related to animal cells (e.g. angiogenesis, hypoxia)
using integrated microfluidic cell culture devices and under simulated microgravity.
High-efficiency bioseparation device for liquid biopsy
Development of diagnosis methods by mobile viral culture devices.
Methods of continuous analysis of marine microplastics.

Program period

More than 4 months

Eligibility-school year

- Third year undergraduate
- Fourth year or higher undergraduate
- First year master degree
- Second year or higher master degree
- First year doctoral degree
- Second year doctoral degree
- Third year or higher doctoral degree

Eligibility-student's major/fields

- Mechanical
- Chemistry
- Material
- Electrical
- Electronic
- Computer Science
- Lifescience
- Mathematical
- Civil Engineering
- Architecture
- Engineering and design

Required skills

Should be a PhD student (at either a 3- or a 5- year doctoral program)

Desired skills (Preferred skills)

Experience in presentation in international conferences

URL: https://www.shibaura-it.ac.jp/en/research/lab/engineering/mech/nobuyuki_futai.html

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