

Professor Name

Ryota Akagi (Mr.)

Laboratory name

Biomechanism Laboratory

Laboratory Website

<https://www.shibaura-it.ac.jp/en/research/laboratory/00250.html>

Keyword

Muscle Mechanics, Exercise Physiology, Resistance Training, Biomechanics, Sport Science

Tasks in the laboratory

Possible research topics

- To elucidate the mechanism of muscle fatigue
- To explore factors that contribute to individual/age/gender differences in muscle fatigue
- To explore methods to promote recovery from muscle fatigue
- To explore methods for early assessment of the degree of muscle damage
- To explore methods to prevent muscle damage

Program period

More than 3-4 months

Required skills

Knowledge of muscle mechanics and muscle physiology

Desired skills (Preferred skills)

None

Eligibility-school year

- ☒ Bachelor 3rd
- ☒ Bachelor 4th or higher
- ☒ Master 1st
- ☒ Master 2nd
- ☒ PhD 1st
- ☒ PhD 2nd
- ☒ PhD 3rd

Eligibility-student's major/fields

- ☐ Mechanical
- ☐ Chemistry
- ☐ Material
- ☐ Electrical
- ☐ Electronic
- ☐ Computer Science
- ☒ Life Science
- ☐ Mathematical
- ☐ Civil Engineering
- ☐ Architecture
- ☐ Engineering and design
- ☐ Other