

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