

Prof. Ryota Akagi

Laboratory name

Biomechanism Laboratory

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 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

Knowledge of muscle mechanics and muscle physiology

Desired skills (Preferred skills)

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URL: [https://www.shibaura-it.ac.jp/en/research/lab/systems/biomedical/ryota\\_akagi.html](https://www.shibaura-it.ac.jp/en/research/lab/systems/biomedical/ryota_akagi.html)