

Prof. Naofumi Naga

Laboratory name

Laboratory of Polymer Materials Chemistry

Keyword

Network Polymer, Porous Polymer, Structure, Property, Functionalization

Tasks in the laboratory

(1) Synthesis and characterization of network polymers.
Developing functional network polymers: ionic conductive, self-healing, sensor, antibacterial, 3D printable
(2) Synthesis of porous polymers induced by phase separation.
Applications for separation, support, scaffold, photo-physical, self-healing, and degradable materials

Program period

More than 2 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

Basic knowledge of organic chemistry and polymer chemistry

Desired skills (Preferred skills)

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

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