

LABORATORY OF MOLECULAR GENETICS

Life Science of Photosynthetic Organisms ~Regulation of Gene Expression and Functional Analysis~

Date : November 28th [Fri], 2025
Symposium : online (Teams)
Registration : Forms <https://forms.office.com/r/Bkz5K2namL>
Contact : Misato Okubo (25am205n@vc.ibaraki.ac.jp)

ASAYAMA GROUP Laboratory Website : <http://asam.agr.ibaraki.ac.jp>

TOPIC & TITLE

[Science & Engineering]

Time: 13:30 ~

Title : Resilience of Cyanobacterial Blue Pigment Proteins: Analysis of pH and Thermal Stability

Presenter : Runa Koshikawa

Time: 13:50 ~

Title : New Insights into Red and Green Pigments from the Green Alga *Coelastrella*

Presenter : Misato Ookubo

Time: 14:10 ~

Title : Illuminating Cyanobacterial Origins: Expression and Functional Analysis of the Novel Group 2 Sigma Factor SigB

Presenter : Daisuke Kataoka

~RESEARCH OUTLINE~

Basic and applied researches on algae

- Isolation of novel algae producing useful materials
- Gene analyses for efficient photosynthesizing capacity
- Algal biorefinery using useful cells and incubators, contributing to CO₂ gas recycling



Useful material producing algae

From gene expression control to biofuel production



Lake Kasumigaura

Algae Cultures