

**Commemorative workshop for
Professor Graham Farquhar,
2017 Kyoto Prize laureate:**

Modelling Plant Responses to Environmental Factors

Venue: Koshiba Hall, Graduate School of Science, The University of Tokyo

Sponsors: Graduate School of Science, The University of Tokyo, The Japanese Association of Photosynthesis Research, MEXT New Photosynthesis Project, and Inamori Foundation.

Programme

17 November

15:00: Opening Remark

Terashima, Ichiro (The University of Tokyo)

15:05: Models in photosynthesis: Overview

Hikosaka, Kouki (Tohoku University)

15:30: Roles of mitochondrial respiration in photosynthetic electron flow

Noguchi, Ko (Tokyo University of Pharmacy and Life Sciences)

15:55: Flash talks by poster presenters (ca. 30 posters)

16:35: Tea break/Poster viewing

17:00: Simulation of drought-induced tree mortality using a new individual and hydraulic trait-based model (S-TEDy)

Kumagai, Tomo'omi (The University of Tokyo)

17:25: Ecosystem models for the global change era

Ito, Akihiko (National Institute for Environmental Studies)

17:50: My latest modeling studies

Farquhar, Graham (Australian National University)

18:30: Poster viewing/Tea and Beverages

19:30: Reception (+ poster viewing)

18 November

9:20: Poster viewing

- 10:00: Distinct responses of stomatal and mesophyll CO₂ diffusion conductances to environmental variables**
Mizokami, Yusuke (Commissariat à l'Énergie Atomique et aux Énergies Alternatives-Cadarache)
- 10:25: Mesophyll/internal conductance in ferns and mosses**
Hanba, T. Yuko (Kyoto Institute of Technology)
- 10:50: Water use and salt tolerance in semi-arid plants**
Matsuo, Naoko (Mie University)
- 11:15: Regulation of photosynthesis under dynamic light conditions**
Yamori, Wataru (The University of Tokyo)
- 11:40: Tea break/ poster viewing/ snacks**
- 12:00: Global climate change and rice crop**
Hasegawa, Toshihiro (Tohoku Agricultural Research Center, NARO)
- 12:25: Long-term and cross-scale observation of phenology of photosynthesis (from in-situ forest ecophysiology to Satellite Ecology)**
Muraoka, Hiroyuki (Gifu University)
- 12:50: Graham Farquhar**

Registration through URL

<http://www.bs.s.u-tokyo.ac.jp/~seitaip/index.html>

Registration by e-mail (itera@bs.s.u-tokyo.ac.jp)

Organizers: Terashima, Ichiro, Yamori, Wataru and Kumagai, Tomo-omi
(The University of Tokyo)