

OsakaMito2017



International Workshop on Mitochondrial Dynamics

Date: 10:00-18:00 on Thursday, December 14

Place: 2F Seminar Room | Biosystems Building | Graduate School of Frontier Biosciences | Osaka University

Invited Speakers



Toshiya Endo
Kyoto Sangyo University
Biogenesis and maintenance of mitochondria by protein and lipid transport systems



Adam Hughes
University of Utah
Mitochondrial Derived Compartments: Protecting mitochondria from nutrient stress



Jared Rutter
University of Utah/HHMI
Mitochondria, metabolism and cell decisions: Entwined in health and disease



Naotada Ishihara
Kurume University
Dynamics of mitochondrial double membranes and genome



Atsuko Kasahara
Kanazawa University
Mitochondrial dynamics in tumour malignancies: retrograde control from mitochondria



Hiromi Sesaki
Johns Hopkins University
Freezing mitochondrial dynamics



Toshiaki Izawa
University of Munich
Cytosolic protein Vms1 links ribosome quality control to mitochondrial homeostasis



Laura Lackner
Northwestern University
Mitochondrial anchors: Positioning mitochondria and more



Koji Yamano
Tokyo Metropolitan Institute of Medical Science
Positive feedback ubiquitylation cycles upon Parkin-mediated mitophagy

Organizer: Koji Okamoto, Graduate School of Frontier Biosciences
Co-organizers: Norihito Shintani, Graduate School of Pharmaceutical Sciences
Yoshitsugu Takabatake, Graduate School of Medicine

No registration is required. Light bites will be served after the workshop (18:00-19:00).

For inquiry, please contact Koji Okamoto (Tel: 06-6879-7970 Email: kokamoto@fbs.osaka-u.ac.jp)

This workshop is supported by Grant for Inter-University Symposia FY2017.

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Program

09:30-10:00 Seminar Room Available & Computer Setup

10:00-10:10 Opening Remarks
By **Koji Okamoto** (Osaka University)

Session I: Biogenesis & Partitioning

Discussion Leaders: **Adam Hughes** (University of Utah) & **Norihito Shintani** (Osaka University)

10:10-10:50 **Toshiya Endo** (Kyoto Sangyo University)
Biogenesis and maintenance of mitochondria by protein and lipid transport systems

10:50-11:30 **Toshiaki Izawa** (University of Munich)
Cytosolic protein Vms1 links ribosome quality control to mitochondrial homeostasis

11:30-12:10 **Laura Lackner** (Northwestern University)
Mitochondrial anchors: Positioning mitochondria and more

12:10-13:10 Lunch

Session II: Dynamics

Discussion Leaders: **Laura Lackner** (Northwestern University) & **Jared Rutter** (University of Utah/HHMI)

13:10-13:50 **Naotada Ishihara** (Kurume University)
Dynamics of mitochondrial double membranes and genome

13:50-14:30 **Hiromi Sesaki** (Johns Hopkins University)
Freezing mitochondrial dynamics

14:30-14:50 Coffee/Tea Break

Session III: Quality Control

Discussion Leaders: **Atsuko Kasahara** (Kanazawa University) & **Yoshitsugu Takabatake** (Osaka University)

14:50-15:30 **Koji Yamano** (Tokyo Metropolitan Institute of Medical Science)
Positive feedback ubiquitylation cycles upon Parkin-mediated mitophagy

15:30-16:10 **Adam Hughes** (University of Utah)
Mitochondrial Derived Compartments: Protecting mitochondria from nutrient stress

16:10-16:30 Coffee/Tea Break

Session IV: Physiology & Metabolism

Discussion Leaders: **Hiromi Sesaki** (Johns Hopkins University) & **Koji Yamano** (Tokyo MIMS)

16:30-17:10 **Atsuko Kasahara** (Kanazawa University)
Mitochondrial dynamics in tumor malignancies: Retrograde control from mitochondria

17:10-17:50 **Jared Rutter** (University of Utah/HHMI)
Mitochondria, metabolism and cell decisions: Entwined in health and disease

17:50-18:00 Closing Remarks
By **Koji Okamoto** (Osaka University)
