

The 4th Monash University – Osaka University Joint Symposium on Advanced Biomedical Sciences

Date: **November 24, 2022, Monash University – Osaka University, virtual**
9:30 - 15:30 Osaka time; 11:30 - 17:30 Melbourne time

Registration: https://docs.google.com/forms/d/1CL8hX_zlCYxKiiMTi7cVk7Wl4vK5bqLI8keoNTV4Vfs

Registration deadline: November 22, 2022, 17:00 JST or 19:00 ASET
Zoom link, meeting ID and password will be sent by email on November 23, 2022

Welcomes and Opening Remarks			
JP	AU		
9:30	11:30	(10 min)	Professor Matthew Gillespie, Vice-Provost (Academic Affairs), Monash University
9:40	11:40	(10 min)	Professor Genta Kawahara, Executive Vice President of Global Engagement, Osaka University
9:50	11:50	(5 min)	Junji Shimada, Consul General of Japan in Melbourne
9:55	11:55	(5 min)	Trevor Holloway, Consul General of Australia in Osaka
Scientific Program			
Collaboration Projects			
Chair: Professor Atsushi Kumanogoh			
10:00	12:00	(12+3 min)	Mark Shackleton, Manabu Fujimoto – Fumihito Noguchi <i>EZH2 as a master regulator of melanoma cell heterogeneity</i>
10:15	12:15	(12+3 min)	Jess Frith –Ryuhei Hayashi, Jodie Harrington <i>Analysing the effect of surface microtopography on stem cell differentiation for ocular regeneration</i>
10:30	12:30	(12+3 min)	Mikaël Martino, Angel Lu – Shizuo Akira, Shailendra Kumar Singh <i>A neuro-immuno-regenerative axis governed by CGRP promotes tissue healing by modulating myeloid cell activities</i>
10:45	12:45	(12+3 min)	Kyoko Hombo – Jess Borger <i>Internationalisation of the Ph.D. student program: A Collaborative Online International Learning (COIL) Translational Research Seminar Series</i>
40 min break 11:00 - 11:40 (Osaka), 13:00 - 13:40 (Melbourne)			

Keynote

Chair: Professor Peter Currie

11:40 **13:40** (25+5min) Professor Helen Abud
Monash University, Monash Biomedicine Discovery Institute
Stem cell dynamics in intestinal regeneration and cancer

Research Highlights

Chair: Associate Professor Mikaël Martino and Professor Shigeru Miyagawa

12:10 **14:10** (15+5 min) William Roman
Monash University, Australian Regenerative Medicine Institute
Myofiber self-repair after exercise

12:30 **14:30** (15+5 min) Takuji Kawamura / Shigeru Miyagawa
Osaka University
Immune response against iPS cell derived cardiomyocyte

12:50 **14:50** (15+5 min) Alex Combes
Monash University, Australian Regenerative Medicine Institute
Modelling Hypoxic Injury and Maladaptive Repair in Human Kidney Organoids

13:10 **15:10** (15+5 min) Noriyuki Tsumaki
Osaka University
Creation of iPS cell-derived cartilage and regenerative treatment for articular cartilage damage

20 min break 13:30 - 13:50 (Osaka), 15:30 - 15:50 (Melbourne)

Chair: Associate Professor Mikaël Martino and Professor Akira Myoui

13:50 **15:50** (15+5 min) Tracy Heng
Monash University, Australian Regenerative Medicine Institute
Mesenchymal stromal cell therapy - from death comes immunosuppression

14:10 **16:10** (15+5 min) Keiichiro Suzuki
Osaka University
In vivo genome editing therapy for monogenic and complex diseases

14:30 **16:30** (15+5 min) Laurence Meagher
Monash University, Department of Materials Science and Engineering
Bioprinting for cardiac, neural and vascular applications

14:50 **16:50** (15+5 min) Fiona Louis / Michiya Matsusaki
Osaka University
Injectable Prevascularized Mature Adipose Tissues (iPAT) using Patients' derived Autologous Cells for Soft Tissue Regeneration Application

Wrap-up

15:10 **17:10** (10 min) Professor Peter Currie, Director, Australian Regenerative Medicine Institute, Monash University. Professor Atsushi Kumanogoh, Dean, Graduate School of Medicine, Osaka University.

Closing Remarks

15:20 **17:20** (5 min) Professor Eiichi Morii, Vice President of Student Life, Osaka University.