



Scientific Symposium How to boost research collaborations through open data exchange

15.12.2021 - Online

About the symposium

The Symposium is organised in the framework of the collaboration between the [RIKEN Institute](#), Luxembourg research institutions and involved collaboration partners. A fundamental element of this collaboration are the so-called joint [RIKEN Outpost Labs in Luxembourg](#) where scientists from Japanese research institutes undertake research in the Grand-Duchy and thereby further intensify their collaboration with Luxembourgish partners from the [Luxembourg Centre for Systems Biomedicine of the University of Luxembourg](#) (LCSB) and the [Luxembourg Institute of Health](#) (LIH).

The Symposium will take place on the **15 December 2021 from 8:30 to 11:35 Luxembourg time, 16:30 – 19:35 Japan time** in an online format. The Lecture talk will focus on 'Boosting research collaborations through open data exchange, environmental impact on human health and global developments'.

Registration

Registration and participation is free of charge via this link [here](#). Only registered participants will receive login details via email before the event.

Organizers:

- Ulf Nehrbass & Markus Ollert (LIH); Reinhard Schneider & Paul Wilmes (LCSB);
- Haruhiko Koseki & Toshimori Kitami (RIKEN IMS); Eiryō Kawakami (Chiba University, RIKEN ADSP).



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Agenda, Wednesday 15 December 2021

08:30 Lux 16:30 Japan	Ulf Nehrbass, CEO of the Luxembourg Institute of Health, LIH Michael Heneka, Director of the Luxembourg Centre for Systems Biomedicine, LCSB WELCOME - Opening words
8:35 - 9:15 Lux 16:35 - 17:15 Japan	Chair: Paul Wilmes, LCSB Interactive Exchange Session, Part 1 - Our successes “ Multi-omics reveals the impact of accelerated gut microbiota carbohydrate breakdown on insulin resistance ” Tadashi Takeuchi, RIKEN “ Initial FAIR assessment of the knowledge representation within the Parkinson’s Disease Map ” Irina Balaur, LCSB
9:15 - 10:00 Lux 17:15 - 18:00 Japan	Chair: Markus Ollert, LIH Lecture talk on “ Planetary health – the connections between public health and climate change ” Prof. Claudia Traidl-Hoffmann, Institute for Food & Health Technical University Munich, Germany
10:00 Lux 18:00 Japan	BREAK
10:10-10:50 Lux 18:10-18:50 Japan	Chair: Eiryō Kawakami, Chiba University, RIKEN ADSP Interactive Exchange Session, Part 2 - Stories of the present “ Identification of human iPS-NKT differentiation pathway through single-cell RNA sequencing ” Nayuta Yakushiji-Kaminatsui, RIKEN “ Open Spectral Data in MassBank to Support Non-Targeted Exposomics Using Open Source Tools ” Anjana Elapavalore, LCSB
10:50-11:30 Lux 18:50-19:30 Japan	Chair: Kzuyo Moro, RIKEN IMS Interactive Exchange Session, Part 3 - Opportunities for the future “ Explainable machine learning (XAI) and mathematical methods in the COVID-19 prognosis and risk assessment ” Tetsuo Ishikawa, RIKEN “ Profiling of post-translational modifications in gut microbiomes in health and disease ” Benoit Kunath, LCSB
11:30 Lux 19:30 Japan	Haruhiko Koseki, RIKEN IMS CLOSING - Closing remarks

