

2021 RIKEN-Luxembourg Digital Scientific Symposium

16.03.2021 - Online

The “2021 RIKEN-Luxembourg Digital Scientific Symposium” is organised in the framework of the collaboration between the RIKEN Institute and Luxembourg. The fundamental elements of the collaboration are the so-called joint [RIKEN Outpost Labs in Luxembourg](#) where scientists from the RIKEN Institute 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 “2021 RIKEN-Luxembourg Digital Scientific Conference” will take place online on the **16 March 2021 from 8:30 to 11:30 Luxembourg time, 16:30 – 19:30 Japan time**. Lecture talks will focus on **AI for Improved Healthcare and Common Mechanisms in Neuro-Inflammation**. In the Frontier Ideas session researchers will pitch 2 minutes a project reflecting a new frontier for discovery and culminating in potential new collaborations between Japan and Luxembourg.

Organizers are Ulf Nehrbass & Markus Ollert (LIH); Rudi Balling & Paul Wilmes (LCSB); Haruhiko Koseki (RIKEN IMS); Eiryō Kawakami (Chiba University, RIKEN MIH). The final agenda is shown below.

About the RIKEN-Luxembourg collaboration

Since nearly a decade, a fruitful collaboration exists between the [RIKEN Center for Integrative Medical Sciences](#) (RIKEN-IMS) and Luxembourg. Since 2016, diverse exchange programmes took place and researchers visited each other’s institutions for some weeks and months to perform their experiments on the partners’ side, mostly supported via grants from the [Luxembourg National Research Fund](#) (FNR). Symposia were organized in [2017](#) in Japan and in [2018](#) in Luxembourg. In July [2019](#), the RIKEN-Luxembourg collaboration was strengthened by a new Memorandum of Understanding.

Registration

Registration and participation is free of charge via this link [here](#). Survey questions support the match-marking process and networking.

Registered participants will receive login details via email, shortly before the event.



Tuesday 16 March 2021

8:30 Lux 16:30 Japan	Yuko Harayama, Executive Director for International Affairs, RIKEN Toshinori Nakayama, Professor and Chairman, Graduate School of Medicine, Chiba University Jens Kreisel, Vice-Rector for Research of the University of Luxembourg WELCOME - Opening words
8:40 Lux 16:40 Japan	Chair: Markus Ollert, LIH AI for Improved Healthcare - Lecture session 1 Eiryu Kawakami, Chiba University and RIKEN Medical Sciences Innovation Hub Program <i>“Towards understanding heterogeneity and dynamic change of diseases: exploratory data analysis using machine learning”</i> Guy Fagherazzi, Digital Epidemiology and E-health hub, LIH <i>“Artificial Intelligence and Precision Health”</i>
9:40 Lux 17:40 Japan	Chair: Paul Wilmes, LCSB Frontier ideas session - Pitches
9:42 Lux 17:42 Japan	Vladimir Despotovic, FSTM <i>“Multimodal approach for detection and monitoring of Parkinson’s disease”</i>
9:44 Lux 17:44 Japan	Hiroshi Ohno, RIKEN IMS <i>“Intestinal ecosystem in patients with multiple sclerosis”</i>
9:46 Lux 17:46 Japan	Alessandro Michelucci, LIH <i>“Microglial Signatures across Patients with Brain Diseases: a Meta-Analysis at Single Cell Transcriptional Resolution”</i>
9:48 Lux 17:48 Japan	Yuki Murakami, Kansai Medical University, RIKEN MIH <i>“Maternal inflammation is relevant to the risk of neurodevelopmental disorders”</i>
9:50 Lux 17:50 Japan	Feng He, LIH and Katsuyuki Yugi, RIKEN IMS <i>“Systematic characterisation of metabolic reprogramming in the DJ-1-deficient immune cells”</i>
9:52 Lux 17:52 Japan	Henry Kurniawan, LIH <i>“Regulation of Immune tolerance by Immunometabolism”</i>
9:54 Lux 17:54 Japan	Yibo Wu, RIKEN IMS <i>“Multi-omics and functional characterization to elucidate the role of alpha-synuclein in mitochondrial membrane compartment and function”</i>
9:56 Lux 17:56 Japan	Julio Leon, RIKEN IMS <i>“Identification of novel regulatory mechanisms of gene expression as therapeutic targets to modulate cell senescence”</i>
10:00 Lux 18:00 Japan	BREAK - 10min

Chair: Kazuyo Moro, RIKEN IMS

Common Mechanisms in Neuro-Inflammation - Lecture session 2

10:10 Lux
18:10 Japan

Nobutaka Hattori, Juntendo University Faculty of Medicine and RIKEN Center for Brain Science

“Neuroinflammation in PD”

Rejko Kruger, Translational Neuroscience Group, LCSB and Transversal Translational Medicine, LIH

“The role of immune mechanisms in the pathogenesis of Parkinson’s disease – from biomarkers to pathogenic pathways”

11:10 Lux
19:10 Japan

Hidetoshi Kotera, Executive Director for Industry Partnership, RIKEN

Ulf Nehrbass, CEO of the Luxembourg Institute of Health

CLOSING - Final remarks



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