

## Lab lists for JSPS Exchange Program 2021

### Luxembourg

#### LCSB, University of Luxembourg

- Computational Biology Group (Prof. Dr. Antonio del Sol Mesa)

Keywords: cellular differentiation and reprogramming, molecular networks, network-based models, disease states

[https://wwen.uni.lu/lcsb/research/computational\\_biology](https://wwen.uni.lu/lcsb/research/computational_biology)

- Developmental and Cellular Biology Group (Prof. Dr. Jens Schwamborn)

Keywords: Parkinson's disease, developmental processes, human stem cells, disease models, cellular and molecular processes

[https://wwen.uni.lu/lcsb/research/developmental\\_and\\_cellular\\_biology](https://wwen.uni.lu/lcsb/research/developmental_and_cellular_biology)

- Integrative Cell Signalling group (Associate Prof. Dr. Alexander Skupin)

Keywords: signalling pathways, Parkinson's disease, disease-related perturbations at single cell resolution

[https://wwen.uni.lu/lcsb/research/integrative\\_cell\\_signalling](https://wwen.uni.lu/lcsb/research/integrative_cell_signalling)

- Systems Ecology Group (Prof. Dr. Paul Wilmes)

Keywords: human host-associated microbiota, lipid accumulating microbial communities, multiscale models

[https://wwen.uni.lu/lcsb/research/systems\\_ecology](https://wwen.uni.lu/lcsb/research/systems_ecology)

### Germany

#### University of Tübingen

- Internal Medicine (Prof. Dr. Nisar Malek)

Keywords: Gastroenterology, Oncology, Hepatology, Geriatrics

<https://www.medizin.uni-tuebingen.de/de/das-klinikum/mitarbeiter/profil/1550>

- Department of Diagnostic and Interventional Radiology (Prof. Dr. Konstantin Nikolaou)

Keywords: Oncology, Radiology

<https://www.medizin.uni-tuebingen.de/de/das-klinikum/mitarbeiter/profil/1590>

### Japan

## **Chiba University**

- Department of Artificial intelligence medicine (Prof. Dr. Eiryō Kawakami)

Keywords: Lifesystem dynamics; Machine learning; Systems Biology; Bioinformatics

<https://www.caist.m.chiba-u.jp/jsps/en/> (Please scroll to “Japan members” at the bottom of “Project”)

[https://www.riken.jp/en/research/labs/r-ih/adv\\_data\\_sci\\_proj/med\\_data\\_math\\_res/index.html](https://www.riken.jp/en/research/labs/r-ih/adv_data_sci_proj/med_data_math_res/index.html)

- Department of Immunology (Prof. Dr. Toshinori Nakayama)

Keywords: immunology, allergy, type-2 helper T, a biomarker for severe COVID-19

<https://www.caist.m.chiba-u.jp/jsps/en/> (Please scroll to “Japan members” at the bottom of “Project”)

<https://www.m.chiba-u.ac.jp/class/meneki/english/labo/index.html>

- Department of Cellular and Molecular Medicine (Prof. Dr. Haruhiko Koseki)

Keywords: Epigenetics; Disease model; iPS cells

<https://www.caist.m.chiba-u.jp/jsps/en/> (Please scroll to “Japan members” at the bottom of “Project”)

[https://www.riken.jp/en/research/labs/ims/dev\\_genet/index.html](https://www.riken.jp/en/research/labs/ims/dev_genet/index.html)

- Department of Molecular Diagnosis (Prof. Dr. Tomoaki Tanaka)

Keywords: metabolic diseases, diabetes mellitus, lifestyle-related diseases, integrative analysis, single-cell analysis, proteomics

<https://www.caist.m.chiba-u.jp/jsps/en/> (Please scroll to “Japan members” at the bottom of “Project”)

[https://www.m.chiba-u.ac.jp/class/moldiag/index\\_e.html](https://www.m.chiba-u.ac.jp/class/moldiag/index_e.html)

- Department of Allergy and Clinical Immunology (Prof. Dr. Hiroshi Nakajima)

Keywords: allergic diseases, autoimmune diseases, molecular mechanisms, clinical research

<https://www.caist.m.chiba-u.jp/jsps/en/> (Please scroll to “Japan members” at the bottom of “Project”)

## **RIKEN**

- Laboratory for Microbiome Sciences (Prof. Dr. Hiroshi Ohno)

Keywords: Microbiome; Metagenome; Gut microbiota; Commensal bacteria; Bacterial genome

<https://www.caist.m.chiba-u.jp/jsps/en/> (Please scroll to “Japan members” at the bottom of “Project”)

[https://www.riken.jp/en/research/labs/ims/microbiome\\_sci/index.html](https://www.riken.jp/en/research/labs/ims/microbiome_sci/index.html)

■ Laboratory for Integrative Genomics (Prof. Dr. Jun Seita)

Keywords: Technology Development in Genomics

<https://www.caist.m.chiba-u.jp/jsps/en/> (Please scroll to “Japan members” at the bottom of “Project”)

[https://www.riken.jp/en/research/labs/ims/integr\\_genom/index.html](https://www.riken.jp/en/research/labs/ims/integr_genom/index.html)

### **Keio University**

■ Physiological Chemistry and Metabolism (Prof. Dr. Makoto Arita)

Keywords: Lipidomics; Bioactive Lipid; Regulation of Inflammation; Fatty Acid

<https://www.caist.m.chiba-u.jp/jsps/en/> (Please scroll to “Japan members” at the bottom of “Project”)

<https://www.riken.jp/en/research/labs/ims/metabolom/index.html>

[https://www.youtube.com/watch?v=2G3cIwc\\_K\\_s](https://www.youtube.com/watch?v=2G3cIwc_K_s)

■ Department of Dermatology (Prof. Dr. Masayuki Amagai)

Keywords: skin; epidermis; stratum corneum; atopic dermatitis; barrier

<https://www.caist.m.chiba-u.jp/jsps/en/> (Please scroll to “Japan members” at the bottom of “Project”)

[https://www.riken.jp/en/research/labs/ims/cutaneous\\_immun/index.html](https://www.riken.jp/en/research/labs/ims/cutaneous_immun/index.html)

<http://www.derma.med.keio.ac.jp/derma/en/research/projects/>