東京工業大学
Tokyo Institute of Technology

Profile Areas | RWTH AACHEN UNIVERSITY

in silico, AI, AR in Life Science

25th(Thu) / 26th(Fri) February, 2021
9:00 - 11:00 (CET) / 17:00 - 19:00 (JST)

In March 2019, the strategic partnership between the Tokyo Institute of Technology and RWTH Aachen University has been consolidated by the opening of the Tokyo Tech Annex at RWTH. A first joint workshop to intensify the research cooperations between both partners took place in May 2019 focusing on "Sustainable Energy". We now cordially invite you to take part in a mini-workshop on "Medical Technology and Digital Life Science".

Ute Habel, Vice-Rector for International Affairs, RWTH Aachen University
Jun-ichi Takada, Vice President for International Affairs, Tokyo Institute of Technology

PROGRAM

Chair: Gerhard Lakemeyer, Akio Kitao

Feb. 25th	9:00 - 9:20	(Video) Tatsuya Mizukoshi, Tokyo Tech ANNEX Aachen *Funding Opportunities in Japan* Ute Habel, Department of Psychiatry, Psychotherapy and Psychosomatics *Funding Opportunities in Germany*
	9:20 - 9:40	Junko Morikawa, School of Materials and Chemical Technology *Thermal analysis of biological cells, using the machine learning algorithms for computational molecular design.*
	9:40 - 10:00	Martin Zenke, Institute for Biomedical Engineering, Division of Cell Biology *Patient specific induced pluriptent stem cells (iPS cells) for modelling human disease*
	10:00 - 10:20	Tetsuya Kadonosono, School of Life Science and Technology *Novel biopharmaceuticals for molecular target therapy of cancer. In silico design and evaluation of biopharmaceuticals.*
	10:20 - 11:00	Discussion for collaboration
Feb. 26th	9:00 - 9:20	(Video) Tatsuya Mizukoshi, Tokyo Tech ANNEX Aachen *Funding Opportunities in Japan* Ute Habel, Department of Psychiatry, Psychotherapy and Psychosomatics *Funding Opportunities in Germany*
	9:20 - 9:40	Masakazu Sekijima, School of Computing *Development of platform for efficiency of drug discovery by Machine learning, Augmented Reality, and Supercomputing and its application to search for therapeutic agents for tropical diseases.*
	9:40 - 10:00	Andreas Schuppert, Computational Biomedicine II *Hybrid modelling: Integration of Knowledge and AI for learning of disease driving mechanisms and prediction of disease progression*
	10:00 - 10:20	Masayuki Yamamura, School of Computing *Bioinformatics, AI Evolutionary Computation, Biomolecular Computing / DNA computing.*
	10:20 - 11:00	Discussion for collaboration

We hope that this online workshop will further strengthen the research cooperation between RWTH and Tokyo Tech and continue the fruitful exchange.

Registration via

https://zoom.us/meeting/register/tJwtd-CvpjItGtECIRVjXZYyTEtgEYIIJX5H

You can participate on both days with one registration.

Thinking the Future
Zukunft denken