

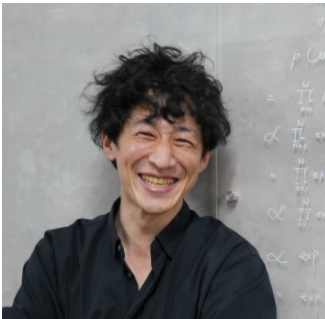
9th nanobiofluids seminar

2024 November 21st, 17:15-18:15

Seminar room (Room 104), Bldng No.2 <https://www.infront.kyoto-u.ac.jp/en/access/>

[Zoom registration](#)

New Frontiers in Medicine and Life Sciences Through Generative AI



Prof. Teppei Shimamura

Department of Computational and Systems Biology, Medical Research Laboratory, Institute of Science Tokyo

Designated Professor, Division of Systems Biology, Nagoya University Graduate School of Medicine

Abstract

The rapid evolution of artificial intelligence (AI) is transforming every aspect of society. In particular, cutting-edge "generative AI" technology is playing an innovative role in medicine and life sciences. This seminar introduces the basic concepts of generative AI and outlines our research applications in medical and life science fields. Furthermore, we will discuss the potential of this technology and future research directions. Through this seminar, we aim to convey the appeal and capabilities of these technologies in an accessible way to non-experts in data science and AI, providing an opportunity for a broader audience to learn about innovations in this field.

Biography

Teppei Shimamura received his Ph.D. in Information Science from Graduate School of Information Science and Technology, Hokkaido University in 2007. After serving as a Project Researcher and Assistant Professor at the Institute of Medical Science, University of Tokyo, he became a Designated Associate Professor (Division Head) at Division of Systems Biology at Nagoya University Graduate School of Medicine in April 2014. In June 2019, he was promoted to Professor in the same division. In January 2023, he became Professor in Department of Computational and Systems Biology at Institute for Medical Research, Tokyo Medical and Dental University. Following the university integration in October 2024, he became Professor in Department of Computational and Systems Biology at Medical Research Laboratory, Institute of Science Tokyo.

Host: Misa Minegishi, misa.minegishi@infront.kyoto-u.ac.jp