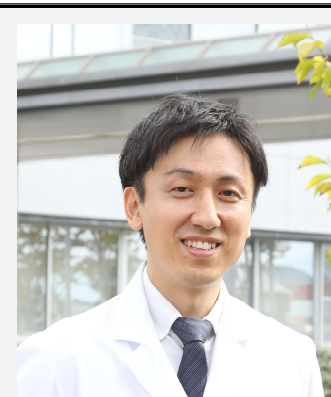

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Dr. Yusuke Fuchiwaki is a Chief Senior Researcher at the Health and Medical Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Japan, and an Associate Professor at Kobe University. He holds a Ph.D. in Engineering.

He has been engaged in the development of diagnostic technologies and biosensors based on microfluidic devices. He specializes in simple and rapid detection systems utilizing antigen–antibody reactions, with a strong focus on translating research outcomes into practical applications.

He also gained experience in regulatory science through his work as a reviewer at the Pharmaceuticals and Medical Devices Agency (PMDA), Japan's regulatory authority under the Pharmaceuticals and Medical Devices Act, as well as through international research activities. His current work aims to develop highly accurate, user-friendly diagnostic technologies for applications in healthcare and food safety. He received the Seiyama Award in 2024 from the Japan Association of Chemical Sensors (The Electrochemical Society of Japan) for his contributions to rapid sensor technologies using microfluidics.