

## About Masao Horiba Awards

The Masao Horiba Award was established in 2003, to support scientists and experts who are devoting themselves to research and development that will generate innovative technology in analysis and measurement. It also aims to strengthen the position of measurement technologies within the scientific and industrial world. The field for the award is decided each year with a focus on the principles and fundamental technologies fostered by HORIBA, and the award highlights unique research and development with the findings and potential that deserves a global recognition.



## Eligible fields

Spectroscopic analysis and measurement technology in the life science field

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## Screening Committee

### ● Chairperson

**TAKEUCHI Hirofumi**

Emeritus Professor

Laboratory of Advanced Pharmaceutical Process Engineering, Gifu Pharmaceutical University

### ● Judges

**Jürgen Popp**

Professor, Scientific Director

Spectroscopy/Imaging, Leibniz Institute of Photonic Technology, Jena, Germany

**IBUKI Rinta**

Professor

Research Center for Drug Discovery and Pharmaceutical Development Science, Ritsumeikan University

**TSUMOTO Kouhei**

Professor

Department of Bioengineering, School of Engineering, The University of Tokyo

**MAEKAWA Masato**

Professor

Department of Laboratory Medicine, Hamamatsu University School of Medicine

**UCHIGASHIMA Mikiko**

Deputy Department Manager

Bio/Life Science Project Sales Division HORIBA, Ltd.

**NOGUCHI Shintaro**

Section Leader

BLS Solution Sales Team Bio/Life Science Project Sales Division HORIBA, Ltd.

## Masao Horiba Awards Winners



### Dr. IIDA Takuya

Professor, (Concurrent) Director of RILACS

Department of Physical Science, Graduate School of Science, Osaka Prefecture University  
(Concurrent) Research Institute for Light-induced Acceleration System (RILACS)

**[Research Theme]**

**Development of innovative bio-measurement technology by micro-flow light-induced acceleration**



### Dr. Sadao Ota

Associate Professor

Research Center for Advanced Science and Technology, The University of Tokyo

**[Research Theme]**

**Development of ultrafast machine vision-activated cell sorters and its applications**



### Dr. SATO Kazuhide

Designated Assistant Professor (selected-YLC program)

Institute for Advanced Research/ School of Medicine, Tokai National Higher Education and Research System, Nagoya University

**[Research Theme]**

**Elucidation of the mechanism of near-infrared light-induced cell death and method establishment for measuring therapeutic effects**

## Honorable Mention Winner



### Dr. KIM Sanghong

Associate Professor

Department of Applied Physics and Chemical Engineering, Tokyo University of Agriculture and Technology

**[Research Theme]**

**Real-time monitoring and control of pharmaceutical production processes using spectroscopic data**