

# ***Kazato Research Foundation 18th (FY 2024) Award Ceremony for Kazato Prize and Kazato Research Encouragement Prize***

The Kazato Research Foundation (Chairman: Yuichi Ikuhara) held the 18th (fiscal year 2024) award ceremony for the Kazato Prize and the Kazato Research Encouragement Prize on March 1, 2025 at the Keidanren Kaikan Hall. Prizes were presented to the following six prize winners.

## **Kazato Prize**

|                 |  |
|-----------------|--|
| Shotaro Otsuka  | Group Leader<br>Max Perutz Lab<br>[Revealing the dynamics of endoplasmic reticulum, nuclear envelope, and nuclear pores at high spatio-temporal resolution]                                |
| Tadashi Machida | Senior Scientist<br>Center for emergent matter science, Riken<br>[Development of an ultra-low temperature scanning tunneling Microscope and its application to emergent quantum phenomena] |

## **Kazato Research Encouragement Prize**

|                    |  |
|--------------------|--|
| Mami Matsumoto     | Specially Appointed Assistant Professor<br>Graduate School of Medical Sciences, Nagoya City University<br>[Analysis of adult neurogenesis in the brain using three-dimensional electron microscopy and machine learning] |
| Kazuhiro Kobayashi | Postdoctoral researcher<br>Research Center for Advanced Science and Technology,<br>the University of Tokyo<br>[Structural visualization of G-protein activation]   |
| Kei Nakayama       | Senior Researcher<br>Nanostructures Research Laboratory, Japan Fine Ceramics Center<br>[Atomic-level analysis of charge-discharge reaction dynamics of rechargeable batteries]   |
| Satoko Toyama      | Assistant Professor<br>School of Engineering, University of Tokyo<br>[Development and application of quantitative magnetic field imaging at material interfaces by DPC STEM]   |

The award ceremony was attended Chairman of JEOL Ltd. and President of JEOL Ltd.

## Award Ceremony

Chairman's Address

**Yuichi Ikuhara**

Distinguished Research Professor, The University of Tokyo



## Prize Winners

Kazato Prize

**Otsuka Shotaro**

Group Leader  
Max Perutz Lab

Study theme:

[Revealing the dynamics of endoplasmic reticulum, nuclear envelope, and nuclear pores at high spatio-temporal resolution]



Kazato Prize

**Tadashi Machida**

Senior Scientist  
Center for emergent matter science,  
Riken

Study theme:

[Development of an ultra-low Temperature scanning tunneling microscope and its application to emergent quantum phenomena]



Kazato Research Encouragement Prize

**Mami Matsumoto**

Designated Assistant Professor  
Graduate School of Medical Sciences,  
Nagoya City University

Study theme:

[Analysis of adult neurogenesis in The brain  
using three-dimensional electron  
microscopy and machine learning]



Kazato Research Encouragement Prize

**Kazuhiro Kobayashi**

Postdoctoral researcher  
Research Center for Advanced Science and  
Technology, the University of Tokyo

Study theme:

[Structural visualization of G-protein  
activation]



Kazato Research Encouragement Prize

**Kei Nakayama**

Senior Researcher  
Nanostructures Research Laboratory,  
Japan Fine Ceramics Center

Study theme:

[Atomic-level analysis of  
charge-discharge reaction dynamics of  
rechargeable batteries]



Kazato Research Encouragement Prize  
**Satoko Toyama**  
Assistant professor  
School of Engineering, University of Tokyo

Study theme:  
[Development and application of quantitative  
magnetic field imaging at material interfaces  
by DPC STEM]



## Commemorative Photograph



## Award Party

Greeting from the Foundation

**Toyoshi Fujimoto**  
Trustee of Kazato Research Foundation  
(Professor, Juntendo University)



Toast

**Izumi Oi**  
President & CEO of JEOL Ltd



Social Time  
Attendees enjoyed discussion and talking.





Closing Remarks

**Hiroki Kurata**

Councillor of Kazato Research Foundation  
(Professor Emeritus, Kyoto University)

