

# THE 125TH ICR ANNUAL SYMPOSIUM

## — ICR Award for Young Scientist —

MORIOKA, Naoya (Inorganic Photonics Materials)  
“Coherent Photoelectrical Readout of Single Spins in Silicon Carbide at Room Temperature”

ZHANG, Ruixuan (Chemical Life Science)  
“A Giant Virus Forms a Specialized Subcellular Environment Within Its Amoeba Host for Efficient Translation”

NAKANISHI, Yohei (Polymer Materials Science)  
“Time-Resolved AUSAXS at BL28XU at SPring-8”

## — ICR Award for Graduate Students —

ZHANG, Zheng (Structural Organic Chemistry)  
“Face-to-Face Helical Columns with Permanent Polarity Consisting of Homochiral End-Functionalized Helicenes”

FARRAG, Asmaa Mostafa Abdelbari Soliman (Chemical Biology)  
“Live-Cell Monitoring and Omics Analysis of Liquid–Solid Transitions of Biomolecular Condensates”

TONG, Tianxiang (Polymer Controlled Synthesis)  
“Melt Rheology of Dendritic Hyperbranched Polyacrylates Synthesized by Controlled Radical Polymerization: Evidence of Self-Similar Branch Structure Formation”

ZHANG, Liwen (Chemical Life Science)  
“Spatiotemporal Dynamics of Giant Viruses Within a Deep Freshwater Lake Reveal a Distinct Dark-Water Community”

MATSUOKA, Kohei (Hydrospheric Environment Analytical Chemistry)  
“Concentrations and Isotope Ratios of Mo and W in Okinawa Trough Hydrothermal Fluids: Novel Probes for Hydrothermal Processes in a Back-Arc Basin”

## — Oral Presentation —

HIROSE, Takashi (Structural Organic Chemistry)  
“Synthesis of Helical Molecules and Exploration of Molecular Functions”

## — ICR Grants for Promoting Integrated Research —

KARUBE, Shutaro (Nanospintronics)  
“Ultrafast Spin-Conversion Phenomenon in Altermagnets”

NAKAGAWA, Yuka (Synthetic Organotransformation)  
“Development of Direct and Precise Transformation Reactions of Woody Biomass via Organic Photocatalysis”