



# Forum

## RIKEN Symposium

# Physicochemical analyses for structural dynamics of amyloids and gels

September 29, 2022: 13:50-16:20  
HAKODATE CITIZEN HALL

Co-sponsored by the Biophysical Society of Japan

13:50-13:55 **Motomasa Tanaka (RIKEN Center for Brain Science)**

New frontier in structural dynamics analysis of amyloids and gels

13:55-14:30 **Kendra Frederick (University of Texas, Southwestern)**

Putting prions in context: towards in vivo structural biology using DNP NMR

14:30-14:55 **Takashi Nomura (RIKEN Center for Brain Science)**

The single-particle cryo-electron microscopic analysis of amyloid disaggregation reaction

14:55-15:25 **Daisuke Mizuno (Graduate School of Science, Kyushu University)**

Critical Jamming and gel rheology of droplet suspensions in living cells

15:25-15:50 **Daichi Morimoto (Graduate School of Engineering, Kyoto University)**

Multiple-state *in situ* observation of SOD1 amyloid formation by Rheo-NMR spectroscopy

15:50-16:20 **Nobuo Maita (National Institutes for Quantum Science and Technology)**

Comprehensive studies of disease-related mutations on cross-beta polymerization of TDP43-LC domain

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