

20th Surugadai International Symposium Program
“Recent Advances in Computational and Experimental Structural Biology”

Monday, November 28, 2022 13:00-17:00 via Zoom

13:00-13:05 Opening Remarks

Dr. Hiroshi Nishina (Director, Medical Research Institute, TMDU)

Session1 "Computational Structural Biology"

13:05-14:55

Chair: Dr. Yuta Kochi (Medical Research Institute, TMDU)

13:05-13:35 Dr. Hafumi Nishi (Tohoku University)

Title: AlphaFold2: What It Is and What It Is Not

13:35-14:05 Dr. Mitsunori Ikeguchi (Yokohama City University)

Title: Molecular dynamics simulations of biomolecules

14:05-14:35 Dr. Daron Standley (Osaka University)

Title: Molecular mechanism of SARS-CoV-2 infection-enhancing antibodies

14:35-14:55 Dr. Nobutoshi Ito (Medical Research Institute, TMDU)

Title: Protein Data Bank: To be more reliable source

14:55-15:15 Break

Session2 "Cryo-electron microscopy"

15:15-16:55

Chair: Dr. Itoshi Nikaïdo (Medical Research Institute, TMDU)

15:15-15:45 Dr. Yoshinori Fujiyoshi (Cellular and Structural Physiology Laboratory, TMDU)

Title: Structural physiology and Structure-Guided Drug Development

15:45-16:15 Dr. Kayo Nozawa (Tokyo Institute of Technology)

Title: Structural and biochemical analysis of a novel structural unit of chromatin

16:15-16:55 Dr. Vinothkumar Kutti Ragunath (National Centre for Biological Sciences, India)

Title: Tools for validation of CryoEM maps and models

16:55-17:00 Closing Remarks

Dr. Yuta Kochi (Division Chief, Medical Research Institute, TMDU)