FY2020 The 23rd Interdisciplinary Exchange Evening / 2020 23

Thursday, 4 February 2021 - Thursday, 4 February 2021
Online

Scientific Programme

| Masafumi Jo ,Chairman of RIKEN Scientists' Assembly Steering Committee (RSASC) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Talk Session |
| Kenta Itahashi (CPR, Meson Science Laboratory) |
| Chikashi Terao (IMS, Laboratory for Statistical and Translational Genetics) |
| Zhaomin Hou (CSRS, Organometallic Chemistry Laboratory) |
| Tetsuo Hanaguri (CEMS, Emergent Phenomena Measurement Research Team) |
| Hideo Yokota (RAP, Image Processing Research Team) |
| Poster Presentations 🗆 🗆 🗆 🗆 🗆 |
| Lin Gu (AIP) Artificial Intelligence for Real World Challenge |
| Eriko Matsuura (CPR, RNA system biochemistry) METTL18-mediated histidine methylation on ribosome protein modulates translation |
| Masashi Mori (BDR, Laboratory of chromosome segregation) Toward molecular understanding of age-related aneuploidy in eggs |
| Hiro Nakamura (BDR, Lab for Protein Functional and Structural Biology) Heme toxicity and its detoxification by an ABC-type efflux pump in Gram-positive bacteria |
| Morihiro Okada (BDR, Laboratory for Homeodynamics) |

A role of metabolic reprogramming of non-cancer tissues in cancer-induced organismal death

Kenward Vong (CPR, Biofunctional Synthetic Chemistry Lab) Selective cell tagging (SeCT) therapy: Disrupting cancer cell adhesion via integrin inhibition

Zheng Wang (IMS,Lab. Bone & Joint Diseases) A phenotyping-based disease gene discovery in Congenital Scoliosis

Yingying Xu (AIP, Mathematical Statistical team)

Finite size scaling property of random matrix and application to ultra high-dimensional graph learning

Hao Zhang (BDR, Laboratory for Computational Molecular Design) Implementing a Comprehensive Networks-on-Chip Generator with Optimal Configurations

M. Ajmal Khan (CPR, Quantum Optodevice Laboratory) Pure AlGaN UVB LEDs Achieving 9.6% Efficiency at 304nm Emission by Exceeding the limit of hole injection and Reflectivity

Poster Q&A Sessions \| \precedu \| \preced **Band session**