

Joint Research Promotion Program (JRPP) Seminar

CSRS Advanced Research and Technology Platforms in Wako

Date & Time: 13:00 - 16:00, November 19, 2021

Zoom: <https://zoom.us/j/97054049016?pwd=bTRlY3NRRNVAvR2h1ZjV4bUVsY1NRZz09> (Passcode: BVCia2khAK)

Language: Japanese

Introduction			
13:00 - 13:05	5 min	Opening remarks	Kazuki Saito Director
13:05 - 13:15	10 min	Overview of the program	Minoru Yoshida Project Leader
Chemicals and small molecules			
13:15 - 13:30	15 min	Diverse chemical library provision for High Throughput Screening (HTS), etc.	Hiroyuki Hirano Drug Discovery Chemical Bank Unit
13:30 - 13:40	10 min	2DE-based proteomic analysis of proteins changed in thermal stability by binding to a compound (2DE-CETSA)	Makoto Muroi Chemical Biology Research Group
13:40 - 13:50	10 min	Making chemical beads for target identification	Yasumitsu Kondoh Chemical Biology Research Group
13:50 - 14:05	15 min	Synthesis of bioactive compounds, etc.	Shinya Hagihara Molecular Bioregulation Research Team
14:05 - 14:20	15 min	Available technical support provided by molecular structure characterization unit: MS, NMR, CD and others	Atsuya Muranaka Molecular Structure Characterization Unit
14:20 - 14:35	15 min	Break	
High-throughput screening			
14:35 - 14:45	10 min	Target identification of small molecules and functional genomics with shRNA screening and CRISPR screening in human cells	Ken Matsumoto Chemical Genomics Research Group
14:45 - 14:55	10 min	Assay development for High-throughput screening (HTS) and High-content screening (HCS)	Akiko Idei Drug Discovery Seed Compounds Exploratory Unit
14:55 - 15:05	10 min	Target identification based on yeast and human chemical genomics analysis	Yoko Yashiroda Molecular Ligand Target Research Team
Proteins and supermolecules			
15:05 - 15:20	15 min	Quantitative Proteomics, etc.	Naoshi Dohmae Biomolecular Characterization Unit
15:20 - 15:30	10 min	X-ray crystallography	Norio Kudo Chemical Genomics Research Group
Molecular interactions			
15:30 - 15:40	10 min	Interaction analysis using NanoBiT (Split Luc)	Kazuki Sasaki Chemical Genomics Research Group
15:40 - 15:55	15 min	Binding affinity measurement of biomolecular interactions by Microscale Thermophoresis (MST), etc.	Seiji Matsuoka Drug Discovery Seed Compounds Exploratory Unit
15:55 - 16:00	5 min	Closing remarks	Naoshi Dohmae Vice Project Leader

10 min (8 min presentation & 2 min discussion)

15 min (13 min presentation & 2 min discussion)