

Date		Theme	Time	Name	Affiliation	Title
Sept.6(Wed.)	AM	Next Generation Healthcare	10:20—11:00	Masahiro Uemura	Director, Bio-Industry Division, Ministry of Economy, Trade and Industry	What is brought by fusion of Bio & Digital techs?
		Plenary Lecture	11:20—12:00	Akiyoshi Wada	Professor emeritus, The University of Tokyo	Physical approaches to the secret of life.
		Plenary Lecture	12:20—13:20	Stephen Martin	Head, Analytical Sciences and Imaging, Novartis Institutes for BioMedical Research	State of the Art Analytical Workflows Supporting the Future of Pharma
	PM	Healthcare and Drug Discovery	13:45—14:05	Tsuguhika Kaminuma	Director, the Institute for Cyber Associates	Impact of new ICT waves on pharma industry
			14:05—14:25	Hiroshi Tanaka	Special Adviser to the Executive Director, Tohoku Medical Megabank Organization, Tohoku University	Present state and future of AI drug discovery
			14:25—14:45	Yosuke Hatanaka	Researcher, Ph.D. candidate, Department of Innovation for Medical Information Technology, The Jikei University School of Medicine	Your smartphone brings the future of medicine.
			14:45—15:05	Tsuneaki Sakata	Senior Fellow, Shionogi & Co., Ltd.	New trend of drug discovery research
			15:05—15:25	Seiichi Ishida	Section Chief, National Institute of Health Sciences	Relationship between Intestinal Flora and Medicine viewed from Gut-Liver Axis
		15:30—16:05	Discussion (by above 5 speakers)			
Sept.7(Thu.)	AM	Artificial Intelligence / Deep Learning: Prediction Applications for Bioscience	10:20—10:40	Takashi Ishida	Associate professor, Department of Computer Science, Tokyo Institute of Technology	Deepening computer-aided drug design by deep learning
			10:40—11:00	Nobuhiro Hayashi	Associate Professor, School of Life Science and Technology, Tokyo Institute of Technology	Future healthcare society brought by cooperation between artificial intelligence and high-performance omics technologies.
			11:00—11:20	Kazuki Yamamoto	CEO, SHaLX Inc.	Social Drug Discovery Project
			11:20—11:40	Hitoshi Kamijima	Senior researcher, Research Institute of Systems Planning, Inc.	Paradigm shift of system development with AI
			11:45—12:15	Discussion (by above 4 speakers)		
		Plenary Lecture	12:30—13:10	Harubumi Kato	Honorary President, Niiza Shiki Central General Hospital	Lung Cancer Eradication -Early Detection and Treatment-
	PM	Role of Early Advanced Diagnosis for Enabling Early Treatment	13:30—13:50	Kouhei Tsumoto	Professor, Soh Eng. and Inst Med Sci, Univ Tokyo	Next Generation Biopharmaceutics through Analytical Technologies
			13:50—14:10	Noboru Nakayama	Director & CTO, Biosys Technologies, INC / CTO Lecturer, St.Marianna University School of Medicine	Method of the middle molecules organic compound search to inhibit protein - protein interaction
			14:10—14:30	Yoshinobu Baba	Professor, Director, Department of Biomolecular Engineering, ImPACT Research Center for Advanced Nanobiodevices, Nagoya University	Nanobiodevices for Precision Medicine and Drug Discovery
			14:30—14:50	Taku Ogura	Researcher, Research & Development Headquarters, LION Corporation	Structural analysis in solutions - Innovation for development in drug research
14:55—15:25			Discussion (by above 4 speakers)			
Sept.8(Fri.)	AM	Possibilities of Science for Supporting Future Societies and Livelihoods	10:20—10:25	Jun Kikuchi	Team Leader, RIKEN	New analytical style from data-driven approach to AI-driven approach
			10:25—10:40	Yasuyo Sekiyama	Senior researcher, Food Research Institute, National Agriculture and Food Research Organization	NMR spectroscopy for agricultural and food sciences
			10:40—10:55	Kohei Yamazaki	Manager, vegetalia, inc. Business Development Dept.	Utilization of data realized by next-generation IoT sensor in agriculture
			10:55—11:10	Miyuki Mekuchi	Researcher, Japan Fisheries Research and Education Agency	Utilization of big data in aquaculture
			11:10—11:25	Masataka Kawarasaki	Deputy Manager, Maruha Nichiro Corporation, Central Research Institute	Fish and its usefulness as view from comprehensive metabolic profiling
			11:25—11:40	Yasuhiro Date	Research Scientist, RIKEN	Environmental systems through data science
			11:45—12:20	Discussion (by above 6 speakers)		
				Plenary Lecture	12:50—13:35	Hidemi Shigekawa
	PM	Analyzing Life (Cells)	14:00—14:20	Chikara Sato	Group leader, Structure Physiology Group, Biomedical Research Institute, National Institute of Advanced Industrial Science and Technology(AIST)	High resolution cryo-electron microscopy targeted on protein complex analysis
			14:20—14:40	Takao Shinkawa	President, BioNet Lab. Inc.	Protein single particle TEM image simulation and 3D reconstruction software for Cryo-TEM.
			14:40—15:00	Takuo Yasunaga	Professor, Dept. of Bioscience and Bioinformatics, School of Computer Science and Systems Engineering, Kyushu Institute of Technology	Intracellular molecular architecture elucidated by cryo-electron microscopy
			15:00—15:20	Kouta Mayanagi	Assistant Professor, Division of Structural Biology, Medical Institute of Bioregulation, Kyushu University	"Watching" Biomacromolecules by Single Particle Analysis
			15:25—15:55	Discussion (by above 4 speakers)		