



**Karolinska
Institutet**

**TOHOKU
UNIVERSITY**



Karolinska-Tohoku Joint Symposium on Medical Sciences

November 8 – 9, 2014,

Conference room A (339) in Bldg of Tohoku Medical Megabank Organization

Seiryō-machi 2-1, Aoba-ku, Sendai, 980-8573 Japan

November 8 (Sat)		(min)
12:00 – 13:10	Registration & Reception Lunch in Atrium Open for all participants	
13:15 – 13:25	Opening Remarks Masayuki Yamamoto (Executive Director of ToMMo)	10
13:25 – 13:30	Greeting from Tohoku Forum for Creativity Liam Baird (Program Coordinator of TFC)	5
13:30 – 17:10	Session I: Clinical Application and Management of Biobanks Chair: Masayuki Yamamoto (ToMMo & TU)	
	Mark Divers (KI Biobank) <i>Biobanking value: reflections from the Swedish experience</i>	40
	Masayuki Yamamoto (ToMMo & TU) <i>Aim and progress of Tohoku Medical Megabank project</i>	30
	Tove Rylander Rudqvist (KI Biobank) <i>Opportunities and challenges with medical biobanking</i>	25
15:05 – 15:30	Tea Break	
	James Thompson (KI Biobank) <i>High throughput developments in medical biobanking</i>	25
	Naoko Minegishi (ToMMo) <i>Biobank construction based on cohort studies after the seismic disaster of 2011</i>	25
	Masao Nagasaki (ToMMo) <i>Data management and bioinformatics of thousands Japanese whole-genome project</i>	25
	Jun Yasuda (ToMMo) <i>Perspectives towards the development of personalized medicine by the ToMMo genome cohort</i>	25
17:20 – 18:00	Tour around Tohoku Medical Megabank Organization Coordinator: Jun Yasuda (ToMMo)	40

November 9 (Sun)		(min)
9:30 – 12:30	Session II: Oxygen and Medicine	
	Chair: Lorenz Poellinger (KI)	
	Lorenz Poellinger (KI & National Univ of Singapore) <i>Epigenetic mechanisms of gene regulation in hypoxia and cancer</i>	40
	Nobuyuki Takahashi (TU) <i>A novel pharmacotherapy of preeclampsia</i>	25
	Toshio Miyata (TU) <i>PAI-1 as a therapeutic target to regulate the cellular senescence & regeneration</i>	30
11:05 – 11:20	Tea Break	
	Randall Johnson (KI & Univ of Cambridge) <i>The role of HIF isoforms in the physiology of hypoxia</i>	40
	Masaomi Nangaku (Univ of Tokyo) <i>Hypoxia as the appropriate and realistic therapeutic target in kidney disease</i>	30
12:30	Photo in Atrium	
12:40 – 13:30	Lunch in Atrium	(with BioHackathon Symposium)
13:30 – 17:30	Session III: Redox and Diseases	
	Chair: Sadayoshi Ito (TU)	
	Arne Holmgren (KI) <i>Redox regulation and signaling by thioredoxin and glutaredoxin systems</i>	40
	Motoko Yanagita (Kyoto Univ) <i>Renal fibrosis and anemia: cause, trigger and plasticity</i>	30
	Jun Lu (KI) <i>Thioredoxin and glutaredoxin systems in relation to superoxide dismutase</i>	25
	Takaaki Abe (TU) <i>tRNA metabolism and mitochondrial dysfunction</i>	30
15:35 – 15:55	Tea Break	
	Lucia Coppo (KI) <i>Glutathione and Grx2 in Alzheimers disease</i>	25
	Ryuichi Nishinakamura (Kumamoto Univ) <i>Creating the kidney in vitro</i>	30
	Jon Lundberg (KI) <i>Inorganic nitrate and nitrite in health and disease</i>	40
17:30 – 17:40	Closing Remarks	
	Susumu Satomi (President of TU)	
17:50 – 20:00	Dinner in Atrium	

