

June 17 (Mon)		
LipoQuality Satellite Symposium (9:15-16:20)		

60th International Conference on the Bioscience of Lipids		
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June 17 (Mon)		
12:00-18:00	ICBL registration	
18:00-18:05	Christian Wolfrum	Opening of the 60th ICBL
18:05-18:10	Makoto Arita (JPN)	Introduction of the Laurens Van Deenen Lecture
18:10-19:00	Keizo Inoue (JPN)	The Laurens Van Deenen Lecture of 2019
19:10-20:40	Welcome Reception	

June 18 (Tue)		
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8:50-9:00	Makoto Arita	Welcome Address
Session 1: Lipid mediator biology (1): LipoQuality joint session		
Chair: Charles Serhan (USA), Anna Nicolaou (UK)		
9:00-9:30	Charles Serhan (USA)	Novel SPM neural circuit in the resolution of inflammation
9:30-10:00	Anna Nicolaou (UK)	Mediator lipidome dynamics in cutaneous inflammation
10:00-10:20	Yoshihiro Yoshihara (JPN)	A sexy scent of prostaglandin: olfactory receptor for pheromonal PGF _{2a} mediates courtship behavior in male zebrafish
Session 2: Lipid mediator biology (2): LipoQuality joint session		
Chair: Long Ngyuen (Singapore), Gabor Tigyi (USA)		
10:40-11:10	Long Ngyuen (SIN)	Discovery of lysophospholipid transporters
11:10-11:30	Anthony S Don (AUS)	Loss of sphingosine 1-phosphate in Alzheimer's Disease impedes amyloid formation but enhances hippocampal volume loss, oligodendrocyte death, and memory deficits
11:30-11:50	Gabor Tigyi (USA)	The autotaxin-LPA ₂ -axis mediates cancer therapy-induced therapy resistance by reprogramming the tumor microenvironment
12:00-13:00	Lunch + Poster viewing	
Session 3: Metabolic diseases		
Chair: Stefano Romeo (SWE), Bernd Helms (NLD)		
13:00-13:30	Stefano Romeo (SWE)	PNPLA3 and hepatic steatosis
13:30-14:00	Hiroaki Arai (JPN)	Lysophosphatidyltransferase 1 (LPIAT1) deficiency causes steatosis
14:00-14:20	Katsuhiko Funai (USA)	Mitochondrial PE potentiates respiratory enzymes to amplify skeletal muscle aerobic capacity
14:20-14:40	Bernd Helms (NLD)	Molecular mechanisms of lipid droplet formation in professional lipid storing cells
Session 4: Lipid membrane biology		
Chair: Takanari Inoue (USA), Wonhwa Cho (USA)		
15:00-15:30	Takanari Inoue (USA)	Uncharacterized functions of PI 3-kinase
15:30-16:00	Wonhwa Cho (USA)	Quantitative in situ imaging of cellular lipids and membrane curvature
16:00-16:20	Shiro Suetsugu (JPN)	The mode switch of endophilin membrane deformation based on packing-defects and electrostatic charge
16:20-16:40	Kazumitsu Ueda (JPN)	Physiological functions of human ABCA1 and ABCA7
16:50-17:50	Poster session 1	
Special Lecture 1 (sponsored by Shimadzu)		
Chair: Takehiko Yokomizo (JPN)		
18:00-18:45	Takao Shimizu (JPN)	Roles of polyunsaturated fatty acids in living systems: from mediators to membrane

June 19 (Wed)		
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Session 5: Lipid nutrition (Mochida Sponsored Session)		
Chair: Richard Bazinet (CAN), Jing Kang (USA)		
9:00-9:30	Richard Bazinet (CAN)	The application of compound specific isotope ratio analysis to study polyunsaturated fatty acid metabolism in rodents and human
9:30-10:00	Jing Kang (USA)	Multi-omics analysis of unique transgenic animal models uncovers the tissue omega-6/omega-3 fatty acid imbalance as a critical risk factor for chronic disease
10:00-10:20	Jun Ogawa (JPN)	Novel health-promoting dietary fatty acid metabolites produced by gut microorganisms
Session 6: Lipidomics (SCIEX joint session)		
Chair: Markus Wenk (Singapore), Valerie O'Donnell (UK)		
10:40-11:10	Markus Wenk (SIN)	Translation of lipidomic technologies towards quantification of blood lipids
11:10-11:40	Valerie O'Donnell (UK)	Dysregulation of the lysophospholipid/autotaxin axis defines the cardiovascular risk SNP rs10757274 on chromosome 9p21
11:40-12:00	Takashi Baba (CAN)	Structural multi-class lipidomics using electron impact dissociation mass spectrometry
12:00-13:00	Lunch + Poster viewing	
13:00-14:00	Poster session 2	
Session 7: Lipases and Phospholipases		
Chair: Gerard Lambeau (FRA), Eric Boilard (CAN)		
14:00-14:30	Gerard Lambeau (FRA)	sPLA2s and PLA2R1: focus on host defense and autoimmunity
14:30-15:00	Eric Boilard (CAN)	sPLA2 actions on extracellular vesicles and microbiome
15:00-15:20	Kei Yamamoto (JPN)	Group IIF phospholipase A2/lysoplasmalogen axis is a novel drug target for epidermal-hyperplastic diseases
15:20-15:40	Shuntaro Hara (JPN)	Role of acyl-CoA synthetase ACSL4 in inflammatory reactions
Session 8: Lipid signaling		
Chair: Joan Claria (ESP), Seyun Kim (KOR)		
16:00-16:30	Joan Claria (ESP)	Role of SPMs in chronic liver diseases
16:30-17:00	Seyun Kim (KOR)	Regulatory action of inositol pyrophosphate in the control of synaptic vesicle cycling
17:00-17:20	Nan Chiang (USA)	Pro-resolving receptors: mechanisms and signaling
17:20-17:40	Yusuke Endo (JPN)	ACC1 determines memory potential of individual CD4+ T cells by regulating de novo fatty acid biosynthesis
Special Lecture 2 (sponsored by Ono Pharmaceutical)		
Chair: Yukihiro Sugimoto (JPN)		
18:00-18:45	Shuh Narumiya (JPN)	Prostaglandins; Inflammation and Beyond

June 20 (Thu)		
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Session 9: Lipids in Infection (AMED-Lipid Joint Session)		
Chair: Kentaro Hanada (JPN), Sho Yamasaki (JPN)		
8:50-9:00	Shinji Yokoyama (JPN)	Introduction of AMED-Lipid
9:00-9:30	Kyu Y Rhee (USA)	The many tubercles of Mycobacterium tuberculosis: Tall tales of the tuberculous bacillus
9:30-9:55	Sho Yamasaki (JPN)	Sensing infectious and injurious stimuli by immune receptors for lipids
9:55-10:20	Kentaro Hanada (JPN)	Hijacking of the ceramide transport protein CERT by <i>Chlamydia trachomatis</i> , an obligatory intracellular bacterium
10:20-10:40	Kazutaka Ikeda (JPN)	Multi-lipidomics for grasping metabolic crosstalk between host and intestinal bacteria
Special Lecture 3 (AMED sponsored)		
Chair: Shinji Yokoyama (JPN)		
11:00-11:45	Shigekazu Nagata (JPN)	Phospholipid Flippase and Scramblase
12:00-19:00	Lunch & Excursion	
19:30-21:30	Conference Dinner	

June 20 (Thu)		
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AMED-Lipid Satellite Symposium (14:00-18:00)		
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June 21 (Fri)		
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Session 10: Lipidomics: new technology and application		
Chair: Xianlin Han (USA), Daniel Nomura (USA)		
8:50-9:20	Xianlin Han (USA)	Lipid metabolism, shotgun lipidomics, and translational medicine
9:20-9:50	Daniel Nomura (USA)	Mapping drivers of disease using chemoproteomic and metabolomic platforms
9:50-10:10	Vesa M. Olkkonen (FIN)	ORP2, a cholesterol transporter, controls endothelial cell polarization and angiogenic tube formation in vitro
10:10-10:30	Xue Li Guan (SIN)	Probing the bacterial lipidome - A biochemical treasure trove
Session 11: Young Investigators Session (Avanti Sponsored Session)		
Chair: Makoto Murakami (JPN), Yukihiro Sugimoto (JPN)		
10:45-11:00	Mélanie Dacheux (FRA)	Human group IIA secreted phospholipase A2 controls parasite development during malaria infection
11:00-11:15	Toshiaki Hirakata (JPN)	Deficiency of BLT1, the high-affinity receptor for LTB ₄ , alleviates allergic conjunctivitis in mice
11:15-11:30	Hui-Hsing Hung (JPN)	The mechanism and roles of phosphatidylglucoside biosynthesis
11:30-11:45	Yudai Iino (JPN)	Untargeted lipidomics revealed dysregulated ceramide metabolism in the initiation phase of atopic dermatitis
11:45-12:00	Bing Peng (Germany)	A workbench to probe the lipidomic landscape
12:00-12:15	Takayuki Kishi (JPN)	Identification of a new oxidized phospholipid receptor that regulates respiratory pattern via vagal nerve
12:15-12:30	Paul Baker (USA)	Avanti presentation
12:30-13:30	Lunch	
Session 12: Sphingolipids		
Chair: Maurizio Del Poeta (USA), Anthony Futerman (ISR)		
13:30-14:00	Anthony Futerman (ISR)	What is the role of the six mammalian ceramide synthases?
14:00-14:30	Maurizio Del Poeta (USA)	Ceramide synthase and fungal infection
14:30-14:50	Akio Kihara (JPN)	Molecular mechanism producing the skin barrier lipid acylceramide
14:50-15:10	Sungwhan F Oh (USA)	Gut symbiotic alpha-galactosylceramides: Molecular and structural characterization of host immunomodulatory actions
Special Lecture 4 (sponsored by Ono Pharmaceutical)		
Chair: Makoto Ito (JPN)		
15:25-16:10	Yasuyuki Igarashi (JPN)	Sphingolipids from basic to applied research
16:10-16:50	Closing remarks, prize giving and invitation to Montreal	
17:00	End of the Conference	