

Japan - Latin America Academic Conference 2018 in Nikko

Workshop 3

Biological Sciences & BioMedical ICT Applications

	name	University, Institution, company
Co-chair	Pablo Irarrázaval	Pontificia Universidad Católica de Chile
	Steffen Härtel	Universidad de Chile
	Juan Pablo Torres	Universidad de Chile
	Ichiro Sakuma	University of Tokyo
	Akira Hirose	University of Tokyo
	Masaki Sekino	University of Tokyo

		09:00	~	09:20	Name	Title	
26-Sep	Registration	09:00	~	09:20			
	Joint Session of Workshops 3 & 6	09:20	~	09:30	Steffen Härtel & Alejandro Maass	Joint Session Introduction	
	Welcome and Opening Remarks	09:30	~	09:40	Ennio Vivaldi (UCHile)	Transdisciplinary Research in Medicine & Engineering	
	①	09:40	~	10:00	Akira Hirose (UTokyo)	Human Heartbeat Detection/Monitoring System Employing Chirp Z-Transform and Time-Sequential Neural Prediction	
	9:30-11:00	10:00	~	10:20	Pablo Irarrázaval (PUC)	Diffusion MRI and Machine Learning applied to MRI	
		10:20	~	10:40	Shutaro Satake (TMDU)	A radiofrequency hot balloon catheter for the treatment of atrial fibrillation	
		10:40	~	11:00	Horacio Sanson (Allm Inc.)	Deep learning architectures for anomaly detection in medical images	
	coffee break	11:10	~	11:30	Sehime-monogatari Convention hall		
	②	11:30-13:00	11:30	~	11:55	Mineo Kurokawa (UTokyo)	Generation of granulocytes from iPS cells as a novel therapeutic modality
			11:55	~	12:20	Steffen Härtel (UCHile)	BioMedical Informatics and Hospital Information Systems in Chile: Connect the Disconnected
			12:20	~	12:45	Takashi Azuma (UTokyo)	Ultrasound Computed Tomography for Breast Screening and New Applications
			12:45	~	13:10	Juan Pablo Torres (UCHile)	Basic and Clinical Science in the Faculty of Medicine: Connecting the Disconnected
	Lunch	13:10	~	14:30	Sehime-monogatari Convention hall		
	③	14:30-16:00	14:30	~	14:55	Douglas Walker (Shiga Univ Medical Sciences)	Neuroinflammation and Alzheimer' s Disease
			14:55	~	15:20	Franco Simini (UDELAR, Uruguay)	Patient/Physician Relationship and Medical Informatics in the Follow Up of Persons with Chronic Condition
			15:20	~	15:45	Hirokazu Sugihara (Toray Industries)	Healthcare Medical Services by Wearable Device
			15:45	~	16:10	Victor Castañeda (UCHile)	Nuclei Detection and Segmentation through Deep Learning in Light Sheet Microscopy
	coffee break	16:10	~	16:30	Sehime-monogatari Convention hall		
④	16:30-18:00	16:30	~	16:55	Shinsuke Ohba (UTokyo)	Identification of gene regulatory landscape in skeletal formation and maintenance	
		16:55	~	17:20	César Ramírez (PUC)	Impact of protein folding and function on biomedicine and biotechnology	
		17:20	~	17:45	Hitoshi Tabata (UCHile)	Ultra-high sensitive skin gas sensing by quantum nano-devices -Application for wearable fat metabolism monitoring-	
		17:45	~	18:10	Alvaro Riquelme (UCHile & Allm Inc)	Improvement of Japanese mHealth Application Based on Usability Evaluation and their Implementation in Chile	
Forum Logistics Announcements	18:10	~	18:15	Masaki Sekino			
27-Sep	Registration	09:00	~	09:30			
	⑤	9:30-11:00	09:30	~	09:55	Keiichiro Kushiro (UTokyo)	Topography-Based Microsystems with Gradient Cues to Analyze Cancer Cells
			09:55	~	10:20	Daniel Hurtado (PUC)	Computational Lung Biomechanics: Applications to Ventilator-Induced Lung Injury and Other Respiratory Diseases
			10:20	~	10:45	Masaki Sekino (UTokyo)	Handheld magnetometer and magnetic nanoparticles for sentinel lymph node biopsy
			10:45	~	11:10	Horacio Cabral (UTokyo)	Engineering tumor microenvironment toward enhanced drug delivery
	coffee break	11:10	~	11:30	Sehime-monogatari Convention hall		
	⑥	11:30-13:00	11:30	~	11:55	Andrea Ravasio (PUC)	Heterogeneity in cancer and stem cell populations: from biomechanical cues to clinical applications
			11:55	~	12:20	Loreto Valenzuela (PUC)	Biological Response of Single Cells to Ni-Pt Composite Microrods under Low Frequency Rotating Magnetic Fields
	Forum Logistics Announcements	12:20	~	12:25	Ichiro Sakuma (UTokyo)	Measurement and Control of Arrhythmia Based on Optical Mapping of Cardiac Electrophysiological Phenomena and Image Analysis	
	Lunch	13:00	~	14:30	Sehime-monogatari Convention hall		