

2009 Asia Pacific Bioscience Symposium

Biomarker Discovery and Validation

High Throughput, Multiplexed, Quantitative Gene Expression



SPEAKERS' PROFILE

時間：	2009年6月11日，星期四
地點：	中央研究院生物醫學科學研究所，地下一樓B1B室演講廳
主辦單位：	中央研究院生物醫學科學研究所
協辦單位：	美商貝克曼庫爾特有限公司台灣分公司
活動流程：	9:30-10:00am Register
	10:00-11:00am Fg12/fibroleukin: A Biomarker for Tolerance Induction in Transplantation Dr. Gary Levy <i>Professor of Medicine, University of Toronto</i> <i>Director, Multi Organ Transplant Program</i> <i>University Health Network – University of Toronto, Toronto, Canada</i>
	11:00-12:00noon Validation of 16-Gene Expression Signature in Non-Small-Cell Lung Cancers from FFPE Samples Dr. Sung-Liang Yu 俞松良 <i>Assistant Professor,</i> <i>Department of Clinical Laboratory Sciences and Medical Biotechnology,</i> <i>College of Medicine, National Taiwan University, Taiwan</i>
	12:00-1:30pm Lunch
	1:30-2:30pm Technical Progress Impacting the Derivation and Characterization of Human Induced Pluripotent Stem Cells Dr. Knut Woltjen <i>Manager, Ontario Human iPSC Facility, Hospital for Sick Children</i> <i>MaRS Centre, Toronto, Canada</i>
	2:30-3:00pm Personalized Genetic Device for Life Science Research and Novel Multiplex Quantitative PCR for Gene Expression Dr. Tiffany Jiang <i>Asia Pacific Marketing Manager, Beckman Coulter</i>

Sung-Liang Yu, Ph.D. 俞松良

Assistant Professor, Department of Clinical Laboratory Sciences and Medical Biotechnology, College of Medicine, National Taiwan University, Taiwan



Dr. Sung-Liang Yu is an assistant professor at Department of Clinical Laboratory Sciences and Medical Biotechnology, College of Medicine, National Taiwan University (NTU). He was graduated from School of Medical Technology, NTU in 1986 and received his PhD degree from Institute of Microbiology & Immunology, National Yang-Ming University in 1999. Professor Yu is devoted to the platforms of functional genomics and the study of tumor progression over the past eight years. He assists professor Pan-Chyr Yang to manage the microarray core facility and develop many state-of-the-art microarray platforms for assays of genomics, epigenomics, transcriptomics, proteomics and Cellomics. Professor Yu also serves as a consultant in these fields to make researchers easier to solve their difficulties. The lung cancer research team led by professor Yang has been actively engaged in the discovery of cancer prognosis signature. They received "Technology Transfer Outstanding Contribution Award" from the National Science Council in 2008 and they also were awarded the "Science 50" research teams from the National Science Council in 2009. Professor Yu's effort and conscientiousness could be enough as a model for young teachers.

GARY LEVY, MD

Professor of Medicine
University of Toronto, Director, Multi Organ Transplant Program
University Health Network – University of Toronto, Toronto, Canada



Dr. Levy graduated from medical school at the University of Toronto in 1973. He completed his training in hepatology at the University of Toronto in 1978 and undertook postdoctoral training in immunology at the Scripps Clinic and Research Foundation from 1978-81. Dr. Levy founded and became the Medical Director of the Liver Transplant Unit at the Toronto General Hospital and University of Toronto in 1987. In 1991, he organized and co-founded their Multi Organ Transplant Unit.

He is currently a Professor in the Departments of Medicine and Surgery at the University of Toronto and Director of the Multi Organ Transplant Program at the University Health Network and University of Toronto.

He has organized and now heads a research group of 11 principle investigators which is focused on studying cellular and molecular mechanisms of inflammation. His research, funded by the Canadian Institutes for Health Research and the National Institutes of Health has focused on immune-mediated mechanisms of organ injury due to viruses, alloantigens, and xenoantigens. He has published over 250 original articles, books and book chapters. He currently holds the Novartis Chair in Transplantation at the University of Toronto.

KNUT WOLTJEN, Ph.D.

Manager, Ontario Human iPSC Facility
Hospital for Sick Children, MaRS Centre, Toronto, Canada



Knut graduated in 1998 from the University of Alberta, Edmonton with a B.Sc. Honors First Class in Molecular Genetics. He then completed his Ph.D. in mouse genetics and gene targeting technologies under the supervision of Dr. Derrick E. Rancourt at the University of Calgary in early 2006. During this time, Knut developed a recombination-mediated gene targeting vector construction protocol. Eighteen months of his Ph.D. program was spent as an exchange student in the laboratory of Dr. Teruhisa Tsuzuki at Kyushu University, Fukuoka, Japan.

Knut moved to Toronto in 2006 to begin Post-Doctoral work in the laboratory of Dr. Andras Nagy at the Samuel Lunenfeld Research Institute. His initial work focused on the use of recombinases in mouse embryonic stem cells as a method of controlled transgenics. Early in 2008, Knut began work on a novel method for induced pluripotent stem (iPS) cell production that is both safer and simpler than current viral methods. This work led to two articles published in the prestigious journal Nature – March, 2009.

Knut's current research at the SLRI focuses on improved iPS production methodology, and the biology of stem cells – both natural and artificially induced. He also has an active research program in functional gene analysis and modeling human disease using mouse transgenics. He recently assumed managerial responsibilities of the Ontario Human iPSC Facility at The Hospital for Sick Children. Knut looks forward to maintaining an academic research career in Canada.