

IFReC/IPR joint seminar on 16-17 November, 2011

Group	Name	Host	Title of Talk
November 16th			
9:50-10:00	Shizuo Akira (Director, IFReC) Toshihiro Hase (Director, IPR)		Opening Remarks
Systems biology IA (10:00-12:10)			
10:00-10:40	Andreas Raue (Univ. of Freiburg Germany)	IFReC	Analyzing optimal treatment strategies for chemotherapy with the help of identifiable and predictive dynamical models
10:40-11:20	Jesse Cotari (Cornell Univ., USA)	IFReC	Dissecting cross-antagonism in cytokine sensitivity using single-cell phosphoproteomics and computational modeling
11:20-12:00	Aarash Bordbar (Univ. Calif. San Diego, USA)	IFReC	Systems analysis elucidates role of metabolism in macrophage activation
12:00-13:30	Lunch break		
Systems Biology IB (13:40-15:40)			
13:30-14:10	Luca Mariani (IFOM-IEO Campus, Italy)	IFReC	A system biology approach to the regulation of IL-4 transcription during Th2-lymphocytes differentiation
14:10-14:50	Daniel Zak (Seattle Biomedical Research Institute, USA)	IFReC	Systems analysis of innate immunity and vaccination
14:50-15:30	Melissa Fullwood (A*STAR-Duke-NUS Partnership and the Genome Institute of Singapore, Singapore)	IFReC	3-dimensional insights into our genomes
15:30-15:50	Coffee break		
Protein Informatics (15:50-17:50)			
15:50-16:30	Ken Nishikawa (Osaka Univ., Japan)	IPR	Genome-wide computational analysis of intrinsically disordered proteins
16:30-17:10	Akira R. Kinjo (Osaka Univ., Japan)	IPR	Composite structural motifs of interaction interfaces for delineating biological functions of proteins
17:10-17:50	Koichi Takahashi (RIKEN, Japan)	IPR	Simulating biochemical reaction networks at the molecular resolution
18:00-	Gathering		
November 17th			
Systems Biology IIA (10:00-12:00)			
10:00-10:40	Shinya Kuroda (Univ. of Tokyo, Japan)	IFReC	Information coding of ERK signalling networks
10:40-11:20	Chikara Furusawa (Osaka Univ., Japan)	IFReC	A Dynamic Model of cell differentiation: toward understanding of stem cellsystems
11:20-12:00	Mariko Okada (RIKEN, Japan)	IFReC	Identifying logics of signal-transcription network for cellular differentiation
12:00-13:30	Lunch Break		
Genomics (13:30-15:30)			
13:30-14:10	Tim Hubbard (Wellcome Trust Sanger Inst., UK)	IPR	From genome annotation to genomic medicine
14:10-14:50	Martin Frith (AIST, Japan)	IPR	Reliable large-scale sequence comparison
14:50-15:30	Akio Kanai (Keio Univ., Japan)	IPR	Systematic analysis of non-coding RNAs and their regulatory proteins
15:30-15:50	Coffee Break		
Transcription (15:45-17:45)			
15:50-16:30	Luca Giorgetti (Inst. Curie, CNRS, France)	IFReC	Non-cooperative interactions between NF- κ B and clustered DNA binding sites promote graded responses to external stimuli
16:30-17:10	Yutaka Suzuki (Univ. of Tokyo, Japan)	IPR	Transcriptome Analysis of Human Genes using Next Generation Sequence
17:10-17:50	Mark Maienschein-Cline (Univ. Chicago, USA)	IFReC	Discovering Transcription Factor Regulatory Targets Using Gene Expression and Binding Data

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