

# QBiC Symposium 2015 Poster Presentations

25 (Tue) 12:50-13:50 Odd numbered posters

26 (Wed) 12:50-13:50 Even numbered posters

Poster#	Last Name	First Name	Middla Name	Affiliation	Title
P01	Jonathan	Young	Trinity	University of Tokyo	Duration Robustness of Linear Signaling Cascades
P02	Cheng-Hung	Chang		National Chiao Tung University	Stochastic lumping analysis and the fluctuation relations between hierarchical kinetic networks in systems and molecular biology
P03	Tetsuya	Kobayashi	J.	University of Tokyo	Fluctuation Relations of Fitness and Information in Changing Environment
P04	Prabhat	Shankar		RIKEN QBiC	Gain is limited by Noise in Adaptation Networks
P05	Atsushi	Kamimura		University of Tokyo	Diversification under limited resources in catalytic reaction networks
P06	Masataka	Kikuchi		Osaka University	Identification of chromosomal regions interacting with susceptibility loci for Alzheimer's disease
P07	Sotaro	Takano		Osaka University	Modeling of bacterial persistence in starvation by recycling activity
P08	Yoshiya	Matsubara	J.	University of Tokyo	Optimal system size for emergence of self-replicating polymer system
P09	Takashi	Nozoe		University of Tokyo	Single-cell level significance of gene expression level in growing population
P10	Hidenori	Nakaoka		University of Tokyo	Growth, death, and aging of fission yeast in stable environments
P11	Setsu	Kato		Yale University	Cell size homeostasis in bacteria
P12	Miki	Umetani		RIKEN QBiC	Heterogeneous Responses to Antibiotic Stress in an Isogenic Population of Escherichia coli
P13	Nen	Saito		University of Tokyo	Motif Analysis for Understanding Small-Number Effects

P14	Keisuke	Fujita		QBiC, RIKEN	Cooperativity of RNA polymerases causes transcriptional bursting
P15	Kaito	Kikuchi		University of Tokyo	Single-Cell Measurement of Cytoplasm Fluidity and Cellular Growth
P16	Michio	Hiroshima		RIKEN QBiC	Transiently increased mobility induces EGFR clustering responsible for signal transduction
P17	Masayo	Inoue		Molprof, AIST	Network design principles and response sensitivity of components
P18	Arisa	Oda		University of Tokyo	Transcriptional dynamics of sense and antisense long noncoding RNAs in stress response
P19	Yuichiro	Tanaka		Nara Institute of Science and Technology	Toward complete understanding of metabolic network of E. coli K-12: discovery of missing enzyme-encoding genes through the genetic interaction analysis in the minimal medium with different carbon sources.
P20	Yusuke	Himeoka		University of Tokyo	Derivation of the Pirt equation in the simple cellular model.
P21	Kenji	Tomita		Osaka University	Effect of sequence and temperature on RNA self-replication system
P22	Hiroaki	Takagi		Nara Medical University	Analysis of spontaneous cell migration in different species
P23	Masaya	Hagiwara		Osaka Prefecture University	Dynamic analysis of lung branching morphogenesis by feedback system of Reaction-diffusion model and controlled cell culture
P24	Takahiro	Kohsokabe		University of Tokyo	Evolution-Development Congruence in Pattern Formation Dynamics: Bifurcations in Gene Expression and Regulation of Networks Structures
P25	Koji	Kyoda		RIKEN QBiC	High dimensional analysis of quantitative data on cell division dynamics from RNAi-treated C. elegans embryos for all essential embryonic genes
P26	Taihei	Fujimori		The University of Tokyo	Leading edge dynamics during collective migration of Dictyostelium cells
P27	Yoichiro	Kamimura		RIKEN QBiC	Search for chemotactic signaling network in Dictyostelium discoideum

P28	Yuka	Shirokawa		University of Tokyo	Social-role-dependent cell behaviors and the social collapse of the social amoeba in the fluctuating environment
P29	Yukako	Tohsato		RIKEN QBiC	Quantitative measurement and computational phenotype analysis on nuclear dynamics in <i>C. elegans</i> RNAi embryos
P30	Satomi	Matsuoka		RIKEN, QBiC	Bias applied upon multiple states of PTEN mediates a shift in cell motility from random into directional
P31	Kenneth	Ho	H.L.	Riken QBiC	SSBD/BDML: an integrated database of quantitative data and microscopy images of biological dynamics
P32	Marina	Popleteeva		University of Luxembourg	Imaging all properties of fluorescence (colour, polarization state and lifetime) with CMOS smart pixel arrays
P33	Arno	GERMOND		RIKEN QBiC	Evolutionary experiments & the study of symbiosis
P34	Yohei	Koyama	M.	RIKEN QBiC	Development of out-of-core analysis toolkit for high-dimensional heterogeneous data
P35	Y-h.	Taguchi		Chuo University	Principal Component Analysis based unsupervised Feature Extraction applied to High-Dimensional Data in life science
P36	Yoshihiro	Sakatani		Osaka University	Construction of an artificial genomic DNA replication system
P37	Tomoaki	Matsuura		Osaka University	The time development of the protein synthesis involves a collapse and regrowth of the reaction network
P38	Tetsuhiro	Hatakeyama	S.	University of Tokyo	Reciprocity between robustness of period and plasticity of phase
P39	Tadashi	Miyamoto		University of Tokyo	Pluripotency, differentiation, and reprogramming: A gene expression dynamics model with epigenetic feedback regulation
P40	Yoshie	Murakami		Osaka University	Bacterial electrofusion using L-form cells of <i>Escherichia coli</i>
P41	Shingo	Suzuki		RIKEN QBiC	Experimental evolution of antibiotic resistant <i>Escherichia coli</i>

P42	Taro	Furubayashi		Osaka University	Experimental observation of an evolutionary arms-race between hosts and parasites based on an artificial RNA self-replication system
P43	Norikazu	Ichihashi		Osaka University	Periodic pattern of genetic and fitness diversity during evolution of an artificial cell-like system
P44	NURHEZREE	MD IQBAL	BINTI	Nara Institute of Science and Technology	Elucidation of genomic adaptation to antibiotic resistance in Escherichia coli using high-throughput bar-coded analysis
P45	Nobuto	Takeuchi		University of Tokyo	A conflict of multilevel evolution and the origin of genes
P46	Atsushi	Shibai		Osaka University	Bacterial genome reduction through experimental evolution
P47	Takaaki	Horinouchi		RIKEN QBiC	Analysis of Escherichia coli adaptation strategy to various stress conditions using laboratory automation system
P48	Saburo	Tsuru		Osaka University	Directed evolution of bacterial cell size
P49	Yuki	Sughiyama		University of Tokyo	Steady state thermodynamics in population dynamics
P50	Takeshi	Oura		Osaka University	Coexistence in large-scale complex systems with correlated interactions
P51	Jumpei	Yamagishi		University of Tokyo	Complementary Cell Differentiation and Collective Growth in Catalytic Reaction Networks
P52	Kazufumi	Hosoda		Osaka university	High dimensionality supports evolution of cooperation
P53	Hieu	Nim	Tri	Systems Biology Institute Australia	Integrative analysis of a historical dataset for the 2002 Great Barrier Reef coral bleaching event with an emerging coral trait database
P54	Martin	Robert		Tohoku University	Insight into E. coli adaptation to glycerol from multi-omics data
P55	Tomoyuki	Yamaguchi		Osaka University	Modeling for immune regulation
P56	Yotaro	Katayama		University of Tokyo	The position effect on gene choice in T cell generation process revealed by dimensionality reduction

P57	Kajita	Masashi	K	University of Tokyo	Information-theoretical viewpoint of self and non-self discrimination by T cell
P58	Ryo	Yokota		University of Tokyo	Multi-directional Analysis of diversity in T cell receptors
P59	Yoshihiro	Morishita		RIKEN QBiC	Quantitative analysis of tissue deformation dynamics for vertebrate organ development