

The fourth International Workshop on Cell Regulations in Division and Arrest (Nov. 29-Dec. 2, 2009)

Opening Session 1 (Nov 29) (Chair: Mitsuhiro Yanagida)		
17:00	Paul Russell	Protecting Genome Integrity: New Molecular Insights into Double-Strand Break Repair and Checkpoint Signaling
17:40	Markus Ruegg	The role of mTOR signaling in the regulation of size in normal and diseased muscle
18:20	Yoichi Taya	Novel Functions of Tumor Suppressor RB Protein and p53
Session 2 (Nov 30, AM) Stem Cell and Differentiation		
09:00	Kiyokazu Agata	How do planarian maintains adult stem cells for endless asexual reproduction?
09:30	Rafal Ciosk	Repression of the cell cycle is critical for maintaining germ cell identity in <i>C. elegans</i>
10:00	Masayuki Miura	Birth and death of the sensory organ precursor cells: a role of programmed cell death in <i>Drosophila</i> sensory organ development
	Coffee Break	
10:50	Atsushi Hirao	Role of FoxO in the maintenance of stem cell function in normal hematopoiesis and leukemia
11:20	Keiko Nakayama	Differential tissue specificity of ubiquitin ligase SCFFBX7
11:50	Motomi Osato	<i>Runx</i> genes, niche, and stem cell quiescence
12:05	Takashi Takeuchi	Regulation of cardiomyocyte proliferation and differentiation
Session 3 (Nov 30, PM) Cell Cycle and Chromosome Dynamics		
14:00	Osamu Nureki	Structural basis of multifunctional human proteins acting in cell signaling and cell cycle regulation
14:30	Stephen Osmani	Mitotic regulation of nuclear structures.
15:00	Robert Fisher	Uncovering CDK Functions in Cell Division and Gene Expression with Chemical Genetics
15:30	Stewart Shuman	Structure, mechanism and function of <i>S. pombe</i> CTD phosphatase Fcp1
	Coffee Break	
16:30	Katsuhiko Shirahige	Genomic approach reveals new aspect of Chromosome Dynamics
17:00	Dana Brnzei	Formation and resolution of replication-associated recombination-like molecules
17:30	Li-Lin Du	Profiling chromosome fragile sites in fission yeast
Session 4 (Dec 1, AM) Energy and Tor		
09:00	Hideki Katagiri	Metabolic Harmony via Neuronal Information Highways
09:30	Hiroshi Kondoh	A novel shift in metabolic and growth-related profile is essential for bypassing senescence.
09:45	Kazuya Yamagata	Regulation of glucose metabolism by pancreatic b-cell transcription factors
	Coffee Break	
10:35	Renaud Dentin	Regulation of energy balance by the CREB coactivator CRT2 in liver
11:05	Tatsuya Maeda	Mechanisms for activation and rapamycin sensitivity of TOR
11:35	Fuyuhiko Tamanoi	TSC/Rheb/mTOR signaling in human cancer
12:05	Noboru Mizushima	Molecular mechanism of autophagy regulation
Session 5 (Dec 1, PM) Metabolism and Aging		
14:00	Issei Komuro	p53 causes heart failure and diabetes
14:30	Shin-ichiro Imai	The NAD World: Systemic Control of Metabolism and Aging by SIRT1 and NAMPT-mediated NAD Biosynthesis in Mammals
15:00	Kunihiro Ohta	Glucose starvation and chromatin regulation in fission yeast
15:30	Satoshi Sawai	Starvation induced transition to synchronized oscillations in Dictyostelium
	Coffee Break	
16:15	Eisuke Nishida	Involvement of the MAP kinase signaling pathways in the regulation of life span
16:45	Minoru Yoshida	A role of SIRT3 in regulating protein acetylation and metabolic control
17:15	Shunsuke Ishii	Inheritance of ATF-2-dependent epigenetic change induced by stress
Session 6 (Dec 2, AM) Epigenetics and Chromatin		
09:00	Tatsuhiko Kodama	A role for histon H4-lysine 20 methyl transferase, PR-SER7, in differentiation and senescence
09:30	Yusaku Nakabeppu	Base excision repair-mediated programmed cell death responsible for tumor suppression and neurodegeneration
10:00	Midori Shimada	Histone Binary switch mediated by Chk1-HAT and PP1-HDAC complexes regulates DNA damage induced transcriptional repression
10:15	Shigeaki Kato	Hormonally regulated gene expression mediates DNA methylation/demethylation
	Coffee Break	
11:05	Dale Dorsett	Cohesin and Polycomb silencing proteins - titrating expression of genes that control development
11:35	Marc Bühler	Spatial and temporal analysis of the fission yeast RNAi pathway
12:05	Haruhiko Siomi	A link between RNA silencing and germ cell development in <i>Drosophila</i>
Session 7 (Dec 2, PM) Comprehensive Approaches		
17:00	Charlie Boone	The Genetic Landscape of a Cell
17:30	Luis Lopez-Maury	Gene expression program during stationary phase in fission yeast.
17:45	Mitsuhiro Yanagida	Cellular Quiescence: Are Controlling Genes Conserved?
18:15	Keiichi Nakayama	Comprehensive elucidation of enzyme-substrate relationship in phosphorylation and ubiquitylation by proteomics: Say good-bye to western blotting