

1st ExCELLS Symposium

October 15

13:00	registration	chair
13:20	Opening Keiji Imoto (NIPS) / Koichi Kato (ExCELLS/IMS)	Motohiro Nishida
13:30	Koichi Kato (ExCELLS/IMS) Biomolecular organization for creation of integrated functions	Nobuyuki Shiina
13:55	Naoyuki Inagaki (NAIST) Molecular mechanics of axon guidance and cell migration	
14:25	Shin-ichi Higashijima (ExCELLS/NIBB) Functional analysis of locomotor circuits in the spinal cord and brainstem in zebrafish	
14:50	Atsushi Mochizuki (Kyoto Univ.) Determining dynamical behaviors of complex biological systems from structures of networks	
15:20	Break	
15:35	Hirofumi Sato (Kyoto Univ.) Molecular theories for self-assembly	Shigetoshi Aono
16:05	Hisashi Okumura (ExCELLS/IMS) Conformational change of protein aggregates studied by molecular dynamics simulations	
16:30	Nobuyuki Shiina (ExCELLS/NIBB) Molecular mechanism of RNA granule assembly implicated in brain health and disease	
16:55	Susumu Uchiyama (Osaka Univ./ExCELLS) Roles of mass spectrometry in protein science and engineering	
17:20	Break	
17:35	Naoki Honda (Kyoto Univ.) Hierarchical modeling of spatiotemporal dynamics on live imaging	Kazuhiro Aoki
17:40	Junko Kurokawa (Univ. Shizuoka) Generation of matured excitable cells by controlling membrane potentials	
17:45	Nao Shimada ¹ , Kazuhiro Aoki ² , Shigenori Nonaka ² , Satoshi Sawai ¹ (¹ Univ Tokyo, ² ExCELLS) Towards construction of artificial cell networks based on directed cell motility	
17:50	Noriko F Hiroi (Sanyo-Onoda City Univ./Tokyo Univ. of Science, Yamaguchi) Move & Connect; Wiring cellular network with thermal environment control	
17:55	Tohru Ishitani (Gunma Univ.) Molecular basis underlying "Diapause", the systems suspending vital activities	
18:00	Poster	
18:30	Banquet	Shin-ichi Higashijima

October 16

9:00	Motohiro Nishida (ExCELLS/NIPS) Elucidating living function by redox biology	Nobuyasu Koga
9:25	Makoto Tominaga (ExCELLS/NIPS) Physiological Function of Thermosensitive TRP channels	
9:50	Shigenori Nonaka (ExCELLS/NIBB) Initial determination of left-right asymmetry in mammalian development	
10:15	Break	
10:30	Yoko Satta (SOKENDAI) What makes us humans ? - Environment and Genome -	Shinji Takada
11:00	Takayuki Uchihashi (Nagoya Univ./ExCELLS) Multiscale dynamics in biological specimens deciphered by high-speed AFM	
11:25	Nobuyasu Koga (ExCELLS/IMS) Protein Design: Create from scratch and Remodel natural proteins	
11:50	Lunch Break (40min.)	
12:30	Kazuhiro Aoki (ExCELLS/NIBB) Toward quantitative understanding of intracellular signal transduction	Makoto Tominaga
12:55	Shigetoshi Aono (ExCELLS/IMS) Structure and function of heme uptake machinery in Corynebacteria	
13:20	Shinji Takada (ExCELLS/NIBB) Molecular basis to determine the action range of Wnt signal	
13:45	Yasuhiro Go (ExCELLS/NIPS) Comparative cognitive genomics for deciphering brain/mind individuality and biodiversity	
14:10	Closing Koichi Kato (ExCELLS/IMS)	Hisashi Okumura

Organizers: Nishida, Higashijima, Okumura