Pre-Symposium of HeKKSaGOn on Mechanobiology



Venue :

Frontier Research Institute for Interdisciplinary Sciences (FRIS), **Tohoku University** (http://www.fris.tohoku.ac.jp/fris/english/index.html)

Co-organized : FRIS 8th seminar

	9:00-9:05	Opening M. Tanaka (University of Heidelberg)		
	Session I 9:05-9:25	Chair: M. Tanaka (University of Heidelberg) M. Bastmeyer (Institute for Zoology, Karsruhe Institute for Technology) "Subcellular stretch-induced cytoskeletal response of single fibroblasts using 3D micro-scaffolds"	Session II 10:40-11:00	Chair: M. Sato (Tohoku University) M. Tanaka (Physical Chemistry of Biosystems, University of Heidelberg) "Adhesion strength, fluctuation dynamics, and migration of human hematopoietic stem cells a leukemia blasts on artificial bone marrow niche models"
	9:25-9:45	K. Ohashi', S. Fujiwara', T. Mashiko', H. Abiko', M. Sato², K. Mizuno' ('Graduate School of Life		
		Sciences, ² Frontier Research Institute for Interdisciplinary Sciences, Tohoku University) "Functional analysis of Solo, a guanine nucleotide exchange factor for RhoA/RhoC, involved in mechanotransduction"	11:00-11:20	T. Ishikawa (Graduate School of Engineering / Biomedical Engineering, Tohoku University) "Transport phenomena in suspensions of swimming microorganisms"
	0.45-10.05	C Schmidt (Drittes Physikalisches Institut	11:20-11:40	:20-11:40 C. Wöll (Institute for Functional Interfaces,
	9.49 10.09	University of Göttingen) "Active random transport in cells: High-resolution mapping of non-equilibrium cytoskeletal		"Metal-organic frameworks (MOFs) - a promisir basis for the development of novel cell culture substrates"
		fluctuations using single-walled carbon nanotubes"	11:40-11:45	Closing M. Sato (Tohoku University)
	10:05-10:25	T. Ogura (Institute of Development, Aging and Cancer, Tohoku University)		
		"Hemodynamic forces are an essential regulator of heart development"		
	10:25-10:40	Coffee Break		



The German-Japanese University Consortium HeKKSaGOn was founded in July 2010 as an association of three German and three Japanese universities. The rectors and presidents of Heidelberg University, Göttingen University and the Karlsruhe Institute of Technology and three of Japan's leading universities – Kyoto, Osaka, and Tohoku – signed a joint declaration in Heidelberg in July 2010. HeKKSaGOn stands for the Heidelberg – Kyoto – Karlsruhe – Sendai – Göttingen – Osaka – network.









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