

IPR Seminar
JSPS Invitation Fellowships for Research in Japan
Protein NMR beyond
June 3 (Fri), 2016

IPR Lecture Hall, IPR, Osaka University (Suita, Osaka, Japan)

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9:30- 9:35	Opening remarks	Haruki Nakamura, Director (IPR)
9:35-10:05	"Direct analysis of protein behavior in the cellular environment"	Hidehito Tochio (Kyoto Univ)
10:05-10:25	"Application of the integrated life science databases to NMR analysis of biomacromolecules"	Naohiro Kobayashi (IPR)
10:25-10:45	"Synergetic studies of NMR and molecular dynamics simulation for biomolecules"	Tomoshi KAMEDA (AIST)
10:45-11:05	"Solution NMR studies of molecular basis for structure and function of lipid transfer protein"	Toshihiko Sugiki (IPR)
11:05-11:25	"Paramagnetic relaxation enhancement-derived distance restraints improve accuracy of NMR structure determination with sparse NOE data"	Kyoko Furuita (IPR)
11:25-11:55	"Actions of cellular macromolecules observed by magnetic resonance spectroscopy"	Masahiro Shirakawa (Kyoto Univ)
11:55-13:00	Lunch Break	
13:00-13:30	"Sensitivity enhancement by DNP and solid-state NMR study of proteins"	Toshimichi Fujiwara (IPR)
13:30-13:50	"Quantitative in-cell solid-state NMR and its application to the counting of the number of molecules in an <i>Escherichia coli</i> cell"	Kazuya Yamada (IPR)
13:50-14:10	"Protein Chemical Modification and NMR"	Yoshikazu Hattori (Tokushima Bunri Univ)
14:10-14:55	"Protein mobility and diffuse interactions in live cells"	Mikael Oliveberg (Stockholm Univ)
14:55-15:25	Coffee Break	
15:25-15:55	"Solution structure of transiently populated excited states of ubiquitin studied by high-pressure NMR spectroscopy"	Ryo Kitahara (Ritsumeikan Univ)
15:55-16:25	"Protein stability and dynamics in human cells"	Jens Danielsson (Stockholm Univ)
16:25-17:10	"Formation of postsynaptic density in neurons"	Mingjie Zhang (HKUST)

Venue : IPR Lecture Hall, IPR, Osaka University (Suita, Osaka, Japan)

Organizers : Chojiro Kojima (YNU), Hidehito Tochio (Kyoto Univ), Toshimichi Fujiwara (IPR)

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Participation is free of charge and pre-registration is not required.