Program

Saturday, January 7, 2012

9:10-9:50 L01 R. J. Dwayne Miller (Centre for Free Electron Laser Scien DESY, Germany, and University of Toronto, Canada) "Making the Molecular Movie": First FramesComing Soon w REGAE Musik 9:50-10:30 L02 Weontae Lee (Yonsei University, Korea) Structural Biology of Disease-Related Proteins: Structure, Functional Dynamics 10:30-10:50 Coffee Break Chair: Kolchi Katari: Kolchi Katar			
9:10-9:50 L01 R. J. Dwayne Miller (Centre for Free Electron Laser Scien DESY, Germany, and University of Toronto, Canada) "Making the Molecular Movie": First FramesComing Soon we REGAE Musik 9:50-10:30 L02 Weontae Lee (Yonsei University, Korea) Structural Biology of Disease-Related Proteins: Structure, Function and Dynamics 10:30-10:50 Coffee Break	9:00-9:10		Opening Remarks: Masahide Terazima
DESY, Germany, and University of Toronto, Canada) "Making the Molecular Movie": First FramesComing Soon w REGAE Musik 9:50-10:30 L02 Weontae Lee (Yonsei University, Korea) Structural Biology of Disease-Related Proteins: Structure, Functional Dynamics 10:30-10:50 Coffèe Break Chair: Koichi Ki 10:50-11:30 L03 Kazuki Terauchi (Ritsumeikan University, Japan) The Cyanobacterial Circadian Oscillator Composed of Three Menterials 11:30-12:10 L04 Andreas Stadler (Research Center Jülich, Germany) Macromolecular and Water Dynamics in Red Blood Cells 12:10-13:40 Lunch 13:40-15:40 Poster Session I (Odd Poster Numbers) 15:40-15:50 Coffèe Break Chair: Yumiko Ohai 15:50-16:10 L05 Kumiko Hayashi (Tohoku University, Japan) Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Saku 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigerotein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra			Chair: Masahide Terazima
REGAE Musik 9:50-10:30 L02 Weontae Lee (Yonsei University, Korea) Structural Biology of Disease-Related Proteins: Structure, Functional Dynamics 10:30-10:50 Coffee Break Chair: Koichi Karauchi (Ritsumeikan University, Japan) The Cyanobacterial Circadian Oscillator Composed of Three Proteins 11:30-12:10 L04 Andreas Stadler (Research Center Jülich, Germany) Macromolecular and Water Dynamics in Red Blood Cells 12:10-13:40 Lunch L05 Kumiko Hayashi (Tohoku University, Japan) Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Saku 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra	9:10-9:50	L01	R. J. Dwayne Miller (Centre for Free Electron Laser Science, DESY, Germany, and University of Toronto, Canada)
Structural Biology of Disease-Related Proteins: Structure, Function and Dynamics 10:30-10:50 Coffee Break Chair: Koichi Kitti Chair: Koichi Kiti Chair: Vumiko Chair: Kazumasa Saku Chair: Chair: Kazumasa Saku Chair: Chair: Kazumasa Saku Chair: Takahiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa Chair: Takahiro Hohsa Chair: Takahiro Hohsa Chair: Takahiro Hohsa Chair: Comparison to Folded Soluble and Membra Chaperonin Changes Comparison to Folded Soluble and Membra Comparison to Folded Soluble and Membra Chaperonin Changes Comparison to Folded Soluble and Membra Chaperonin Changes Comparison to Folded Soluble and Membra Chaperonin Chaperonin Chaperonin Chaperonin to Folded Soluble and Membra Chaperonin Chaper			"Making the Molecular Movie": First FramesComing Soon with REGAE Musik
Chair: Koichi Ka 10:50-11:30 L03 Kazuki Terauchi (Ritsumeikan University, Japan) The Cyanobacterial Circadian Oscillator Composed of Three Reproteins 11:30-12:10 L04 Andreas Stadler (Research Center Jülich, Germany) Macromolecular and Water Dynamics in Red Blood Cells 12:10-13:40 Lunch 13:40-15:40 Poster Session I (Odd Poster Numbers) 15:40-15:50 Coffee Break Chair: Yumiko Ohai 15:50-16:10 L05 Kumiko Hayashi (Tohoku University, Japan) Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Saku 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigherotein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and Th Hydration Water: Comparison to Folded Soluble and Membra	9:50-10:30	L02	Structural Biology of Disease-Related Proteins: Structure, Function
10:50-11:30 L03 Kazuki Terauchi (Ritsumeikan University, Japan) The Cyanobacterial Circadian Oscillator Composed of Three Proteins 11:30-12:10 L04 Andreas Stadler (Research Center Jülich, Germany) Macromolecular and Water Dynamics in Red Blood Cells 12:10-13:40 Lunch 13:40-15:40 Poster Session I (Odd Poster Numbers) 15:50-16:10 L05 Kumiko Hayashi (Tohoku University, Japan) Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Saku 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and Th Hydration Water: Comparison to Folded Soluble and Membra		10:30-	10:50 Coffee Break
The Cyanobacterial Circadian Oscillator Composed of Three Reproteins 11:30-12:10			Chair: Koichi Kato
Macromolecular and Water Dynamics in Red Blood Cells 12:10-13:40	10:50-11:30	L03	The Cyanobacterial Circadian Oscillator Composed of Three Kai
12:10-13:40 Lunch 13:40-15:40 Poster Session I (Odd Poster Numbers) 15:40-15:50 Coffee Break Chair: Yumiko Oha: 15:50-16:10 L05 Kumiko Hayashi (Tohoku University, Japan) Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Saku 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra	11:30-12:10	L04	Andreas Stadler (Research Center Jülich, Germany)
13:40-15:40 Poster Session I (Odd Poster Numbers) 15:40-15:50 Coffee Break Chair: Yumiko Ohas 15:50-16:10 L05 Kumiko Hayashi (Tohoku University, Japan) Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Sakus 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra			Macromolecular and Water Dynamics in Red Blood Cells
15:40-15:50 Coffee Break Chair: Yumiko Ohair 15:50-16:10 L05 Kumiko Hayashi (Tohoku University, Japan) Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Saku 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra		12:10-	13:40 Lunch
15:50-16:10 L05 Kumiko Hayashi (Tohoku University, Japan) Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Saku 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra	13:40-15:40	Poste	r Session I (Odd Poster Numbers)
15:50-16:10 L05 Kumiko Hayashi (Tohoku University, Japan) Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Saku 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra		15:40-	15:50 Coffee Break
Non-equilibrium Statistical Mechanics for Fluctuations in a Cell 16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Sakur 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra			Chair: Yumiko Ohashi
16:10-16:30 L06 Kunihiko Ishii (RIKEN, Japan) Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Sakus 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra	15:50-16:10	L05	Kumiko Hayashi (Tohoku University, Japan)
Detection of Microsecond Molecular Fluctuations through Fluorescence Lifetime Measurement Chair: Kazumasa Sakut 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra			Non-equilibrium Statistical Mechanics for Fluctuations in a Cell
Chair: Kazumasa Sakus 16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigh Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra	16:10-16:30	L06	, 1
16:30-16:50 L07 Koh Takeuchi (AIST, Japan) NMR Analysis of Functional Fluctuation in Large Molecular Weigher Protein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra			
NMR Analysis of Functional Fluctuation in Large Molecular Weigherotein 16:50-17:10 L08 Fumihiro Motojima (Kyoto Sangyo University, Japan) Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra	16 20 16 50	1.07	
Chaperonin Changes Protein Folding by Regulation of Hydrophol Interaction Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and The Hydration Water: Comparison to Folded Soluble and Membra	16:30-16:50	L07	NMR Analysis of Functional Fluctuation in Large Molecular Weight
Chair: Takahiro Hohsa 17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and Th Hydration Water: Comparison to Folded Soluble and Membra	16:50-17:10	L08	Chaperonin Changes Protein Folding by Regulation of Hydrophobic
17:10-17:50 L09 François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and Th Hydration Water: Comparison to Folded Soluble and Membra			Chair: Takahiro Hohsaka
Proteins	17:10-17:50	L09	François-Xavier Gallat (Institut de Biologie Structurale, France) Dynamical Coupling of Intrinsically Disordered Proteins and Their Hydration Water: Comparison to Folded Soluble and Membrane Proteins
18:40-20:40 Banquet at Hotel Nikko Nara		18:40-2	20:40 Banquet at Hotel Nikko Nara

Sunday, January 8, 2012

		Chair: Fumio Hirata		
9:00-9:40	L10	Akio Kitao (The University of Tokyo, Japan)		
		Finding Function-Relevant Dynamics in Proteins		
9:40-10:20	L11	Emanuele Paci (University of Leeds, UK)		
		Towards a Description of Fluctuations and Dynamical Changes in		
		Proteins from Molecular Simulation and Experimental Measurements		
	10.20			
10:20-10:30 Coffee Break				
10:30-12:30	Dosto	r Session II (Even Poster Numbers)		
10.30-12.30	rosic	1 Session II (Even Foster Numbers)		
	12:30-	14:00 Lunch		
Public Lecture Chair: Mikio Kataoka				
14:00-14:10		Introduction: Ryuichi Ueoka		
14:10-15:20	PL	Thomas R. Cech (Colorado University, USA)		
		The Biology, Chemistry and Physics of RNA Nano-machines		
	15:20-	15:40 Coffee Break		
		Chair: Kunihiro Kuwajima		
15:40-16:20	L12	Yoko Matsumoto (Sojo University, Japan)		
		Membrane-Targeted Therapy with Hybrid Liposomes in Relation to		
		Fluctuation and Apoptosis		
16:20-17:00	L13	Roland Winter (TU Dortmund University, Germany)		
		Using Pressure Perturbation for Studying Conformational and Functional Substates of Proteins		
17:00-17:10		Closing Remarks: Masahide Terazima		