

第5回「タンパク質立体構造の構築原理」ワークショップ
5th Workshop "Principles of Protein Architecture"

早稲田大学国際会議場
東京都新宿区西早稲田 1-6-1

1998年12月8日(火) - 9日(水)

Waseda University International Convention Center
1-6-1 Nishiwaseda, Shinjuku-ku, Tokyo

December 8(Tue) - 9(Wed), 1998

主催：文部省科学研究費特定領域研究「タンパク質立体構造の構築原理」
(領域代表者 郷 信広)

ワークショップ世話人：郷 信広 (京大)、輪湖 博 (早大)、山岸 明彦 (東薬大)、
城所 俊一 (相模中研)

Organizers: Nobuhiro Go (Univ. Kyoto), Hiroshi Wako (Waseda Univ.),
Akihiko Yamagishi (Tokyo Univ. Pharm. Life Sci.),
Shun-ichi Kidokoro (Sagami Chem. Res. Cent.)

Program

December 8 (Tue)

10:00-10:15 Opening Address
Nobuhiro Go (U. Kyoto)

Invited Lectures I (Chairman: Akinori Sarai)

1L01 10:15-11:00 Joel Janin (CNRS)
"Structural Principles of Protein-Protein and Protein-DNA Interaction"

1L02 11:00-11:45 Keiko Udaka (U. Kyoto)
"Exploring the Specificity of MHC-Peptide-TCR Interactions with Random Peptide Libraries"

12:00-13:30 Lunch

Poster Presentation I

13:30-14:30 Poster Session "a"

14:30-15:30 Poster Session "b"

Invited Lectures II (Chairman: Masayoshi Nakasako)

1L03 16:00-16:45 Nobuo Niimura (JAERI)
"Hydrogen, Hydration and Function of Hen Egg-White Lysozyme"

1L04 16:45-17:30 Keith Moffat (U. Chicago)
"Nanosecond Time-Resolved Macromolecular Crystallography"

18:00-20:00 Social Meeting (懇親会)
(Ohkuma Garden House, 2F)

December 9 (Wed)

Invited Lectures III (Chairman: Mitsunori Ikeguchi)

2L01 9:30-10:15 Shun-ichi Kidokoro (Sagami Chem. Res. Cent.)

"Design of Highly Active Thermolysin Mutants by Physical Perturbation Method"

2L02 10:15-11:00 Stephen Bryant (NIH)

"Identification of Structural Neighbors and Homologous Core Substructures"

11:00-11:15 Break

2L03 11:15-12:00 Hue Sun Chan (U. California)

"Chevron Plots, Chevron Rollover, and Origins of Non-Arrhenius Kinetics in Simple Models of Protein Folding."

12:00-13:30 Lunch

Poster Presentation II

13:30-14:30 Poster Session "c"

14:30-15:30 Poster Session "d"

Invited Lectures IV (Chairman: Akinori Kidera)

2L04 16:00-16:45 Fritz Parak (Tech. U. Muenchen)

"Structural Fluctuations and Relaxations in Proteins"

2L05 16:45-17:30 Nobuhiro Go (U. Kyoto)

"Protein Conformational Dynamics and Electron Transfer"

17:30-17:40 Closing Remarks