

# THESES

- FIRDAUS, Mochamad Lutfi  
D Sc, Kyoto University  
“Determination of Zr, Hf, Nb, Ta, Mo and W in Seawater and Its Oceanic Distribution”  
Supervisor: Prof SOHRIN, Yoshiki  
25 September 2007
- FUJIMOTO, Shinji  
D Sc, Kyoto University  
“Beam Commissioning and Suppression of Transverse Coherent Instability at S-LSR”  
Supervisor: Prof NODA, Akira  
23 March 2007
- FUJITA, Masashi  
D Sc, Kyoto University  
“In Search for Genes Related to Stop Codon Readthrough and Novel Amino Acids”  
Supervisor: Prof KANEHISA, Minoru  
26 November 2007
- GIORDANI, Cristiano  
D Sc, Kyoto University  
“Structural and Dynamic NMR Studies on Distribution and Aggregation of Cholesterol in Solution and in Phospholipid Bilayer”  
Supervisor: Prof NAKAHARA, Masaru  
25 September 2007
- HAMAKI, Hirofumi  
D Sc, Kyoto University  
“Synthesis, Structure, Reactivity and Catalytic Activities of Group 4 Metal Complexes with Novel  $\beta$ -Diketiminato Ligands Bearing Bulky Substituents”  
Supervisor: Prof TOKITOH, Norihiro  
23 March 2007
- HIMENO, Atsushi  
D Sc, Kyoto University  
“Dynamical Behavior of the Magnetic Domain Wall in the Structure-Controlled Ferromagnetic Nanowires”  
Supervisor: Prof ONO, Teruo  
23 March 2007
- IKEDA, Yasunori  
D Sc, Kyoto University  
“Phase Equilibrium of Cupper Oxide Superconductors and Related Compounds”  
Supervisor: Prof SHIMAKAWA, Yuichi  
23 March 2007
- ITOH, Masumi  
D Sc, Kyoto University  
“Evolutionary History and Functional Implications of Protein Domains and Their Combinations in Eukaryotes”  
Supervisor: Prof KANEHISA, Minoru  
26 November 2007
- KAI, Kosuke  
D Agr, Kyoto University  
“Biosynthesis of Coumarins in *Arabidopsis thaliana*”  
Supervisor: Prof SAKATA, Kanzo  
23 March 2007
- KASHIMA, Hisashi  
D Inf, Kyoto University  
“Machine Learning Approaches for Structured Data”  
Supervisor: Prof AKUTSU, Tatsuya  
23 March 2007
- LIMVIPHUVADH, Vachiranee  
D Sc, Kyoto University  
“The Commonalities of Neurodegenerative Disorders Characterized by Protein-protein Interaction Network Analysis”  
Supervisor: Prof KANEHISA, Minoru  
26 November 2007
- MINOWA, Yohsuke  
D Sc, Kyoto University  
“Comprehensive Analysis of Distinctive Polyketide and Non-ribosomal Peptide Structural Motifs Encoded in Microbial Genomes”  
Supervisor: Prof KANEHISA, Minoru  
26 November 2007
- MONGUCHI, Daiki  
D Pharm Sc, Kyoto University  
“Studies on Intramolecular Conjugate Addition Based on Memory of Chirality”  
Supervisor: Prof KAWABATA, Takeo  
23 March 2007
- MORINAGA, Takashi  
D Eng, Kyoto University  
“Synthesis and Applications of Silica Particles Grafted with Concentrated Polymer Brush”  
Supervisor: Prof FUKUDA, Takeshi  
23 March 2007
- NAKAMURA, Shu  
D Sc, Kyoto University  
“Real-Time Time-of-Flight Measurement of Proton Beam Produced by an Intense Short-Pulse Laser”  
Supervisor: Prof NODA, Akira  
23 March 2007
- OH, Mina  
D Pharm Sc, Kyoto University  
“Prediction of Biodegradation Pathways Using Knowledge Base of Enzymatic Reactions”  
Supervisor: Prof KANEHISA, Minoru  
23 March 2007
- OKUDA, Shujiro  
D Sc, Kyoto University  
“Characterization of Relationships between Transcriptional Units and Operon Structures”  
Supervisor: Prof KANEHISA, Minoru  
23 May 2007

OOHASHI, Hirofumi  
D Sc, Kyoto University  
“Au L $\beta$  X-ray Satellites from Multi-hole States”  
Supervisor: Assoc Prof ITO, Yoshiaki  
23 March 2007

SATO, Tetsuya  
D Sc, Kyoto University  
“Analysis of Protein-Protein Interactions by Using Co-Evolutionary Information”  
Supervisor: Prof KANEHISA, Minoru  
23 March 2007

SHIRAI, Toshiyuki  
D Sc, Kyoto University  
“One-dimensional Beam Ordering of Protons at Ion Storage Ring, S-LSR”  
Supervisor: Prof NODA, Akira  
23 July 2007

TANIGUCHI, Masatoshi  
D Sc, Kyoto University  
“ARR1 Directly Activates Cytokinin Response Genes that Encode Proteins with Diverse Regulatory Functions”  
Supervisor: Prof OKA, Atsuhiko  
23 March 2007

TANIMA, Daisuke  
D Pharm Sc, Kyoto University  
“Development of Phenolphthalein-Based Functional Molecules”  
Supervisor: Prof KAWABATA, Takeo  
23 March 2007

YAMAZAKI, Daisuke  
D Eng, Kyoto University  
“Structural and Mechanistic Studies on Cyclic  $\pi$ -Conjugated Systems Annelated with Bicyclo[2.2.2]octane Units”  
Supervisor: Prof OZAWA, Fumiyuki  
23 March 2007

YOSHIZAWA, Akiyasu  
D Sc, Kyoto University  
“Extracting Sequence Motifs and the Phylogenetic Features of SNARE-dependent Membrane Traffic”  
Supervisor: Prof KANEHISA, Minoru  
23 May 2007