

# THESES

- GARCIA, Julius, Adrie Aguirre  
D Sc, Kyoto University  
“Synthetic Studies towards Unexplored Multiple Bonds to Silicon Utilizing Kinetic Stabilization”  
Supervisor: Assoc Prof MIZUHATA, Yoshiyuki  
26 September 2022
- HUANG, Yu Min  
D Sc, Kyoto University  
“Three-Dimensional Domain Wall Motion Memory with Artificial Ferromagnet”  
Supervisor: Prof ONO, Teruo  
18 January 2022
- IKEBUCHI, Tetsuya  
D Sc, Kyoto University  
“Study of Spin Conversion Efficiency and Spin Current Propagation in Crystalline Materials”  
Supervisor: Prof ONO, Teruo  
18 January 2022
- JUNG, Yejin  
D Med Sc, Kyoto University  
“Discovery of Non-Cysteine-Targeting Covalent Inhibitors by Activity-Based Proteomic Screening with a Cysteine-Reactive Probe”  
Supervisor: Prof UESUGI, Motonari  
23 May 2022
- JUN-I, Yuta  
D Sc, Kyoto University  
“Studies on the Effects of the Introduction of Heavy Group 14 and 15 Elements on Conjugated Systems”  
Supervisor: Prof TOKITOH, Norihiro  
23 March 2022
- KISHIMOTO, Mizuki  
D Eng, Kyoto University  
“Effect of Stress Field on Self-Assembly in Crystalline Polyolefins”  
Supervisor: Prof TAKENAKA, Mikihito  
23 March 2022
- KUZE, Keita  
M Sc, Kyoto University  
“Developments of Internal Active Target for Beam Recycle in Heavi-Ion Storage Ring”  
Supervisor: Prof WAKASUGI, Masanori  
23 March 2022
- LI, Han  
Ph D, Kyoto University  
“Development of Plasmonic Copper chalcogenides for Efficient Solar Energy Conversion”  
Supervisor: Prof TERANISHI, Toshiharu  
26 September 2022
- MENDOZA, Aileen de Leon  
D Med, Kyoto University  
“Controlled Lipid  $\beta$ -Oxidation and Carnitine Biosynthesis by a Vitamin D Metabolite”  
Supervisor: Prof UESUGI, Motonari  
24 November 2022
- NODA, Naotaka  
D Med, Kyoto University  
“Glucose as a Protein-Condensing Cellular Solute”  
Supervisor: Prof UESUGI, Motonari  
23 May 2022
- OSHIRO, Taku  
D Sc, Kyoto University  
“Synthetic Studies on Heteraazulenes Containing a Heavy Group 14 Element as a Skeletal Element”  
Supervisor: Prof TOKITOH, Norihiro  
23 March 2022
- PRODINGER, Florian  
D Sc, Kyoto University  
“Novel Metabarcoding Method Reveals Pronounced Seasonality and High Turnover Rate of Imitivirales in Coastal Communities”  
Supervisor: Prof OGATA, Hiroyuki  
23 May 2022
- SAKAI, Takayuki  
D Pharm Sc, Kyoto University  
“Evelopment of Methods for Cell Surface Integration of Membrane-Associated Peptides”  
Supervisor: Prof FUTAKI, Shiroh  
24 March 2022
- SHIMAMURA, Ryota  
D Sc, Kyoto University  
“Cell Biology of  $\zeta$  Class Phospholipase D in Arabidopsis”  
Supervisor: Prof AOYAMA, Takashi  
24 January 2022
- TOMITA, Kazutaka  
D Sc, Kyoto University  
“Control of Supramolecular Structures of Porphyrin Derivatives in Thin Films”  
Supervisor: Prof HASEGAWA, Takeshi  
24 March 2022
- WANG, Feiqi  
D Inf, Kyoto University  
“Design of Computational Models for Analyzing Graph-Structured Biological Data”  
Supervisor: Prof AKUTSU, Tatsuya  
24 March 2022
- WATARI, Machiko  
D Sc, Kyoto University  
“Functional Differentiation among the Arabidopsis Phosphatidylinositol 4-Phosphate 5-Kinase Genes *PIP5K1*, *PIP5K2* and *PIP5K3*”  
Supervisor: Prof AOYAMA, Takashi  
25 July 2022

YAMAGUCHI, Atsushi  
D Sc, Kyoto University  
“Research on Local Direction Dependence and Core-Hole Effect  
of Near-Edge Fine Structures”  
Supervisor: Prof KURATA, Hiroki  
26 September 2022

ZHANG, Xiaojuan  
D Sc, Kyoto University  
“Functional Analyses of Arabidopsis Cleavage Factor I”  
Supervisor: Prof AOYAMA, Takashi  
23 May 2022