

Yusaku Hanagaki¹, Shingo Kanemura¹, Masaki Okumura¹, Hiroshi Yamaguchi¹, Shigeru Shimamoto¹, Yuji Hidaka¹ (¹Graduate School of Science and Engineering Research, Kindai University, ²School of Science and Technology, Kwansai Gakuin University, ³Frontier Research Institute for Interdisciplinary Sciences)

P-082 Disulfide-coupled folding of *de novo* designed eel prouroguanylin protein

Ryota Shinto, Koki Mizoe, Masaya Goto, Norie Nakajima, Shigeru Shimamoto, Yuji Hidaka (Graduate School of Science and Engineering Research, Kindai University)

P-085–125: October 22 (Friday) 11:20–12:20

P-083 Mutational analyses of the enzymatic activities of a *Bombyx mori* cocoonase

Ayumi Ogata¹, Misaki Nishimura¹, Nana Sakata¹, Mitsuhiro Miyazawa², Shigeru Shimamoto¹, Yuji Hidaka¹ (¹Graduate School of Science and Engineering Research, Kindai University, ²Institute of Agrobiological Sciences, National Agriculture and Food Research Organization)

P-084 Synthesis of immobilized gold nanoparticles with catalytic activity using resin conjugated with gold mineralizing peptide

Shuhei Yoshida, Takaaki Tsuruoka, Kenji Usui (Graduate School of Frontiers of Innovative Research in Science and Technology (FIRST), Konan University)

P-085 Remineralization potential of bioactive glass and foldamer-based peptides on enamel

Enrique Ezra Zuniga Heredia¹, Fernando Arteaga Arteaga^{2,3}, Masaya Sawamura², Masahiro Iijima¹ (¹Division of Orthodontics and Dentofacial Orthopedics, Health Sciences University of Hokkaido, ²School of Sciences, Hokkaido University, ³Institute for the Advancement of Higher Education, Hokkaido University)

P-086 Amine-selective reaction of 2*H*-azirine for synthesis of peptidemimetics

Hiroto Takahashi¹, Makoto Roppongi², Shingo Tamesue¹, and Toru Oba¹ (¹Department of Material and Environmental Chemistry, Graduate School of Engineering, Utsunomiya University, ²Advanced Instrumental Analysis Department, Utsunomiya University)

P-087 Functional analysis of cell-aggregate inducing peptide

Ikumi Amimoto¹, Rino Watanabe¹, Yoshiaki Hirano^{1,2} (¹Faculty of Chemistry, Materials and Bioengineering, Kansai University, ²Organization for Research and Development of Innovative Science and Technology, Kansai University)

P-088 Artificially designed α -helical peptide nanofibers showing liquid-crystal like thermal behavior

Minami Kurokawa¹, Mika Hirose², Akihiro Kawamoto², Atsuo Tamura¹ (¹Grad. Sch. Sci., Univ. Kobe., ²IPR, Osaka Univ.)

P-089 Development of temperature-responsive short-chain peptide analogues based on elastin-like peptide FPGVG

Keitaro Suyama¹, Shogo Sumiyoshi², Naoki Tanaka², Takumi Ando², Akihiko Nagata³, Keisuke Tomohara¹, Suguru Taniguchi⁴, Iori Maeda⁴, Takeru Nose^{1,2} (¹Faculty of Arts and Science, Kyushu University, ²Department of Chemistry, Faculty and Graduate School of Science, Kyushu University, ³Department of Chemistry, Faculty of Science, Kyushu University, ⁴Department of Physics and