

The 60th Japanese Peptide Symposium

November 8 (Wednesday)

- 9:30–9:40 **Opening Remarks** (Hidehito Mukai)
- 9:40–10:57 **Young Investigator’s Oral Presentations** (8 min talk, 2 min discussion, 1 min speaker exchange)
Session 1 (chairs: Gosuke Hayashi, Masaya Denda)
- Y-01 Iron-catalyzed biomimetic dimerization of tryptophan-containing peptides**
Kenta Noda¹, Soichiro Sato¹, Hiroyuki Hakamata¹, Eunsang Kwon², Nagao Kobayashi^{3,4}, Hirofumi Ueda¹, Hidetoshi Tokuyama¹ (¹Graduate School of Pharmaceutical Sciences, Tohoku University, ²Department of Chemistry and Research and Analytical Center for Giant Molecules, Tohoku University, ³Graduate School of Sciences, Tohoku University, ⁴Faculty of Textile Science and Technology, Shinshu University)
- Y-02 Development of S-[2-aminovinyl]-3-methylcysteine construction using photoreaction**
Masaya Kumashiro, Kosuke Ohsawa, Takayuki Doi (Graduate School of Pharmaceutical Sciences, Tohoku University)
- Y-03 Development of intermolecular acylation protocol of threonine by a late-stage sequential acyl transfer–desulfurization**
Daiki Sato, Chiho Shinozaki, Masaya Denda, Akira Otaka (Institute of Biomedical Sciences and Graduate school of Pharmaceutical Sciences, Tokushima University)
- Y-04 Semi-synthetic study of glycoprotein interleukin-6 via a novel folding-assisted thioesterification method**
Yanbo Liu¹, Ryo Okamoto^{1,2}, Yuta Maki^{1,2}, Yasuhiro Kajihara^{1,2} (¹Graduate School of Science, Osaka University, ²Forefront Research Center, Osaka University)
- Y-05 Development of novel amino acids containing MPE-type auxiliary for sequential ligation of multiple peptides**
Yoshinori Taguchi¹, Kohei Sato², Nobuyuki Mase², Tetsuo Narumi^{1,2} (¹Graduate School of Medical Photonics, Shizuoka University, ²Graduate School of Integrated Science and Technology, Shizuoka University)
- Y-06 The synthesis of CYP121A1 inhibitors as potential treatments for tuberculosis**
Denham Hopper, Craig Hutton (The Department of Chemistry, The University of Melbourne)
- Y-07 Discovery and characterization of a short peptide possessing a latent warhead undergoing spontaneous intramolecular cyclization in the aqueous environment**
Riku Katsuki, Masumi Taki (Graduate School of Informatics and Engineering, the University of Electro-Communications (UEC))
- 10:57–11:15 **Break**
- 11:15–12:43 **Young Investigator’s Oral Presentations** (8 min talk, 2 min discussion, 1 min speaker exchange)
Session 2 (chairs: Hiroshi Inaba, Yoshiro Chuman)
- Y-08 GalNAc-conjugated helical peptides as tissue-selective carrier**

Takahito Ito^{1,2}, Takashi Misawa², Yosuke Demizu^{1,2,3} (¹Graduate School of Medical Life Science, Yokohama City University, ²National Institute of Health Sciences, ³Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University)

Y-09 PNA twin probe detects target nucleic acids

Sakura Tsuchitani¹, Koki Ishii¹, Yutaka Ouchi¹, Mizuki Kitamatsu¹, Hajime Shigeto², Shohei Yamamura², Yoshihide Hattori³ (¹Department of Applied Chemistry, Kindai University, ²Health and Medical Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), ³Research Center of BNCT, Osaka Metropolitan University)

Y-10 Intracellular bottom-up reconstruction of liquid droplet by fusion of YK amphiphilic peptide tag

Masahiro Hashimoto¹, Takayuki Miki^{1,2}, Hiroki Takahashi¹, Sae Nakayama¹, Tadaomi Furuta¹, Hisakazu Mihara¹ (¹School of Life Science and Technology, Tokyo Institute of Technology, ²Graduate School of Engineering, The University of Tokyo)

Y-11 Development and application of conformationally restricted cyclic peptides with high passive permeability

Yuta Takashima¹, Yurina Araki², Yuki Yamazaki¹, Ikuhiko Nakase², Satoshi Shuto¹, Mizuki Watanabe¹ (¹Faculty of Pharmaceutical Sciences, Hokkaido University, ²Graduate School of Science, Osaka Metropolitan University)

Y-12 Construction and screening of a natural product-inspired prenylated thiopeptide library

Sota Uchida, Yuki Goto, Hiroaki Suga (Department of Chemistry, Graduate School of Science, The University of Tokyo)

Y-13 Improvement of the metabolic stability of a backbone-alanyl peptoid in liver microsome

Hiroka Kobayashi¹, Eri Watanabe², Jumpei Morimoto¹, Shinsuke Sando¹ (¹Graduate School of Engineering, The University of Tokyo, ²Graduate School of Pharmaceutical Sciences, The University of Tokyo)

Y-14 Development of nanobody for specific binding on antigen-high-expressing cells by affinity optimization and tandem trimerization

Suwandi Onggono, Tetsuya Kadonosono (School of Life Science and Technology, Tokyo Institute of Technology)

Y-15 Development of biocompatible D-peptide conjugates for photooxygenation of myostatin

Shuko Amber Murano¹, Hideyuki Okamoto¹, Kaoru Ikekawa¹, Masahiro Katsuyama¹, Sho Konno¹, Akihiro Taguchi¹, Kentaro Takayama^{1,2}, Atsuhiko Taniguchi¹, Yoshio Hayashi¹ (¹Tokyo University of Pharmacy and Life Sciences, ²Kyoto Pharmaceutical University)

12:43–14:00 **Lunch Break & Luncheon Seminar (12:50–13:50, Conference Room 305, Piazza Omi)**

14:00–15:17 **Young Investigator's Oral Presentations** (8 min talk, 2 min discussion, 1 min speaker exchange)
Session 3 (chairs: Daisuke Fujiwara, Taku Yoshiya)

Y-16 Physiological roles and regulatory mechanisms of mitocryptide-2 in sterile or infectious innate immune responses

Hakuu Fujiwara, Hirokazu Tanaka, Hayato Katabuchi, Takanori Yamada, Tatuya Hattori, Yosiaki Kiso, Shinta Nomura, Hidehito Mukai (Graduate School of Bio-Science, Nagahama Institute of Bio-Science and Technology)

Y-17 Identification of disulfide-rich peptides from Habu venom to regulate the activity of integrin

Takuro Sato, Eugene Futai, Masafumi Hidaka, Tomohisa Ogawa (Laboratory of Enzymology, Graduate School of Agricultural Science, Tohoku University)

Y-18 Construction of enveloped viral replica equipped with spike protein derived from SARS-CoV-2

Hiroto Furukawa¹, Keisuke Nakamura², Shin-ichi Sawada², Hiroshi Inaba¹, Yoshihiro Sasaki², Kazunari Akiyoshi², Kazunori Matsuura¹ (¹Graduate School of Engineering, Tottori University, ²Graduate School of Engineering, Kyoto University)

Y-19 Surface functionalization of a virus-like architecture with a peptide tag

Daiki Kanayama¹, Naohiro Terasaka², Hiroaki Suga¹ (¹Graduate School of Science, The University of Tokyo, ²Earth-Life Science Institute, Tokyo Institute of Technology)

Y-20 Mechanism study of endothelial cell toxicity mediated by histone H4 via membrane-disrupting peptides

Zihao Wang, Mikako Hamabe, Takafumi Furuhashi, Akimitsu Okamoto (Department of Chemistry and Biotechnology, Graduate School of Engineering, the University of Tokyo)

Y-21 Improvement of the cellular internalization of the canonical CPP-protein conjugates by ϵ -poly-L-lysine

Yamato Takeuchi, Fumihito Hasebe, Chitose Maruyama, Yoshimitsu Hamano (Department of Bioscience and Biotechnology, Fukui Prefectural University)

Y-22 Discovery of a specific triple-helical ligand for integrin α 2 β 1 that show metal ion-independent interaction

Shinsuke Shibata¹, Kazunori K Fujii¹, Ryo Masuda², Takaki Koide^{1,2} (¹Department of Chemistry and Biochemistry, School of Advanced Science and Engineering, Waseda University, ²Waseda Research Institute for Science and Engineering, Waseda University)

15:17–15:30 **Break**

15:30–16:39 **Young Investigator's Oral Presentations** (8 min talk, 2 min discussion, 1 min speaker exchange) & **Invited Lecture**

Session 4 (chairs: Rui Kamada, Mizuki Watanabe)

Y-23 Two dimensional nanosheet structures consisting of amphiphilic diblock peptoids with crystalline aliphatic side chains

Renya Fukuda¹, Yota Okuno^{2,3}, Tomoki Nishimura⁴, Akinori Kuzuya^{2,3}, Yasuhiko Iwasaki^{2,3} (¹Graduate School of Science and Engineering, Kansai University, ²Faculty of Chemistry, Materials and Bioengineering, Kansai University, ³ORDIST, Kansai University, ⁴Faculty of Textile of Science Technology, Shinshu University)

Y-24 Temperature-responsive behavior of branched molecules bearing pentapeptide units of elastin-like peptides (FPGVG)_n

Naoki Tanaka¹, Keitaro Suyama², Keisuke Tomohara², Takeru Nose^{1,2} (¹Department of Chemistry, Faculty and Graduate School of Science, Kyushu University, ²Faculty of Arts and Science, Kyushu University)

- Y-25** **Chemical synthesis of mirror-image human serum albumin domain III for mirror-image screening**
Naoya Iwamoto¹, Shinsuke Inuki¹, Hiroaki Ohno¹, Shinya Oishi² (¹Graduate School of Pharmaceutical Sciences, Kyoto University, ²Laboratory of Medicinal Chemistry, Kyoto Pharmaceutical University)
- Y-26** **γ -Substituted proline-accelerated diketopiperazine formation for tag-attached peptide thioester synthesis**
Koki Nakatsu¹, Gosuke Hayashi¹, Hiroshi Murakami^{1,2} (¹Graduate School of Engineering, Nagoya University, ²Institute of Nano-Life-Systems, Nagoya University)
- K-1** **Selective Degradation of Transcription Coactivator SRC-1 via the N-degron Pathway**
Yeongju Lee¹, Jiwon Heo², G-One Ahn³, Jun-Seok Lee⁴, Hyun Kyu Son², Hyun-Suk Lim¹ (¹Department of Chemistry and Division of Advanced Materials Science, Pohang University of Science and Technology, ²School of Life Sciences and Biotechnology, Korea University, ³Research Institute for Veterinary Science and College of Veterinary Medicine, Seoul National University, ⁴Molecular Recognition Research Center, Korea Institute of Science and Technology (KIST), Korea)
- 16:39–16:50 **Break**
- 16:50–17:35 **Oral Presentations** (12 min talk, 2 min discussion, 1 min speaker exchange)
Session 5 (chairs: Akira Shigenaga, Tetsuo Narumi)
- O-01** **Photo-induced conformational change in cyclic peptides induced by complete cis-to-trans conversion of benzanilide derivatives**
Yuko Otani, Asami Ichinose, Xihong Wang, Zhihan Huang, Shuyi Song, Akitomo Kasahara, Mayumi Ishii, Eri Watanabe, Kayoko Kanamitsu, Kempei Tai, Hiroyuki Kusuhara, Takumi Ueda, Koh Takeuchi, Tomohiko Ohwada (Graduate School of Pharmaceutical Sciences, The University of Tokyo)
- O-02** **Development of convergent synthesis for peptidomimetic based on a chloroalkene dipeptide isostere and its application to a cyclic peptide**
Takuya Kobayakawa, Chika Azuma, Kenichi Yamamoto, Kohei Tsuji, Hirokazu Tamamura (Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University)
- O-03** **Peptide epimerase responsible for D-amino acid introduction in poly- γ -glutamic acid biosynthesis**
Hinata Kato¹, Moeka Sakuta¹, Takeshi Tsunoda², Yu Nakashima³, Hiroyuki Morita³, Yasushi Ogasawara², Tohru Dairi² (¹Graduate School of Chemical Science and Engineering, Hokkaido University, ²Graduate School of Engineering, Hokkaido University, ³Institute of Natural Medicine, University of Toyama)
- 17:40–19:10 **Poster Presentations**
Session 1 (1P-001–1P-053)
Odd numbers: 17:40–18:25
Even numbers: 18:25–19:10

November 9 (Thursday)

- 9:30–10:30 **60th Anniversary of Japanese Peptide Symposium: Development of Peptide Science**
Session 6 (chairs: Akira Otaka, Motoyoshi Nomizu)
- I-1 Sixty years of peptide science in Japan**
Saburo Aimoto (Osaka University)
- I-2 Peptide materials from self-assembly and their use in therapy**
Joel P. Schneider (Chemical Biology Laboratory, Center for Cancer Research, National Cancer Institute, USA)
- I-3 Innovative strategies for biomaterials: modifying surfaces with biomimetic coatings**
Annette G. Beck-Sickinger (Institute of Biochemistry, Faculty of Life Sciences, Leipzig University, Germany)
- 10:30–10:45 **Break**
- 10:45–12:00 **60th Anniversary of Japanese Peptide Symposium: Development of Peptide Science**
Session 7 (chairs: Ikuo Fujii, Shiro Futaki)
- I-4 Applications of cyclotides in agriculture and medicine**
David J Craik (Institute for Molecular Bioscience, Australian Research Council Centre of Excellence for Innovations in Peptide and Protein Science, The University of Queensland, Australia)
- I-5 From serpin A1 to KPI protecting dermal collagen from degradation: the story of a peptide-based cosmeceutical into the market and beyond**
Anna Maria Papini^{1,2}, Fosca Errante^{1,3}, Lisa Giovannelli³, Paolo Rovero^{1,3} (¹Interdepartmental Research Centre of Peptide and Protein Chemistry and Biology, University of Florence, Italy, ²Department of Chemistry “Ugo Schiff”, University of Florence, Italy, ³Department of NEUROFARBA, University of Florence, Italy)
- I-6 Designer pepetidomemetics to study and modualate multifacted toxicity of Alzheimer’s disease**
T. Govindaraju (Bioorganic Chemistry Laboratory, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), India)
- 12:00–13:20 **Lunch Break & Luncheon Seminar (12:10–13:10, Conference Room 305, Piazza Omi)**
- 13:20–14:30 **60th Anniversary of Japanese Peptide Symposium: Development of Peptide Science**
Session 8 (chairs: Hironobu Hojo, Hidehito Mukai)
- I-7 Characterization of mixed-helical unnatural peptides and their applications**
Soo Hyuk Choi (Department of Chemistry, Yonsei University, Korea)
- I-8 Glycosylation of tumor-associated mucin peptides and their antitumor properties**
Joseph J. Barchi Jr., Caitlin Strain, Achyut Dahal (Chemical Biology Laboratory, Center for Cancer Research, National Cancer Institute at Frederick, USA)
- I-9 Expression of novel functional polypeptides “r-peptides” encoded by latent OFFs in bacterial ribosomal**

RNAs in response to antibiotics

Kazuyasu Sakaguchi (Laboratory of Biological Chemistry, Department of Chemistry, Faculty of Science, Hokkaido University)

14:30–14:45 **Break**

14:45–15:30 **Oral Presentations** (12 min talk, 2 min discussion, 1 min speaker exchange)

Session 9 (chairs: Yuki Goto, Kohei Tsuji)

O-05 Evaluation of the effect of an amide-to-ester substitution on membrane permeability and conformational states of cyclic peptides

Jumpei Morimoto¹, Yuki Hosono¹, Satoshi Uchida¹, Moe Shinkai¹, Masatake Sugita^{2,3}, Takumi Ueda⁴, Kayoko Kanamitsu⁴, Mayumi Ishii⁴, Koh Takeuchi⁴, Yutaka Akiyama^{2,3}, Scott R. Lokey⁵, Shinsuke Sando¹ (¹Graduate School of Engineering, The University of Tokyo, ²School of Computing, Tokyo Institute of Technology, ³Middle-Molecule IT-based Drug Discovery Laboratory (MIDL), Tokyo Institute of Technology, ⁴Graduate School of Pharmaceutical Sciences, The University of Tokyo, ⁵Department of Chemistry and Biochemistry, University of California)

O-07 Catalysis driven by amyloid-substrate complex

Sawazaki Taka, Daisuke Sasaki, Youhei Sohma (Department of Medicinal Chemistry, School of Pharmaceutical Sciences, Wakayama Medical University)

O-08 Intracellular assessment of droplet-driver protein by YK peptide fusion

Takayuki Miki^{1,2}, Masahiro Hashimoto², Hisakazu Mihara² (¹Graduate School of Engineering, The University of Tokyo, ²School of Life Science and Technology, Tokyo Institute of Technology)

15:30–15:45 **Break**

15:45–16:45 **Oral Presentations** (12 min talk, 2 min discussion, 1 min speaker exchange)

Session 10 (chairs: Yosuke Demizu, Jumpei Morimoto)

O-09 Light-induced modulation of self-assembly in azobenzene-conjugated short elastin-like peptides

Keitaro Suyama¹, Iori Maeda², Takeru Nose^{1,3} (¹Faculty of Arts and Science, Kyushu University, ²Department of Physics and Information Technology, Kyushu Institute of Technology, ³Department of Chemistry, Faculty and Graduate School of Science, Kyushu University)

O-10 Development of a selection method to discover peptides that bind to proteins using engineered split intein

Tsuyoshi Takahashi, Yutaro Watanabe (Graduate School of Science and Technology, Gunma University)

O-11 Extracellular-vesicle catch-and-release isolation system using a pH-dependent EV-binding curvature-sensing peptide

Kenichi Kawano¹, Yuki Kuzuma¹, Takahiro Fujiwara², Fumiaki Yokoyama³, Katsumi Matsuzaki¹ (¹Graduate School of Pharmaceutical Sciences, Kyoto University, ²Institute for Integrated Cell-Material Sciences (WPI-iCeMS), Kyoto University, ³Graduate School of Science, The University of Tokyo)

O-12 Cardiolipin specific peptides designed to possess cell penetrating ability rescue mitochondrial dysfunction

Gwangsu Shin¹, Soonsil Hyun¹, Dongwoo Kim¹, Yoonhwa Choi^{1,2}, Kyu Hong Kim³, Dongmin Kim², Soie Kwon⁴, Seung Hee Yang⁵, Kyeong-Ryoon Lee⁶, Jaehoon Yu^{1,2} (¹Department of Chemistry & Education, Seoul National University, ²CAMP Therapeutics Co., Ltd., ³Department of Biomedical Sciences, Seoul National University Graduate School, ⁴Department of Internal Medicine, Seoul National University Hospital, ⁵Kidney Research Institute, Seoul National University, ⁶Laboratory Animal Resource Center, Korea Research Institute of Bioscience and Biotechnology)

16:50–18:20 **Poster Presentations**
 Session 2 (2P-001–2P-055)
 Odd numbers: 16:50–17:35
 Even numbers: 17:35–18:20

19:00–21:00 **Banquet (Biwako Hotel)**

November 10 (Friday)

9:15–10:15 **Oral Presentations** (12 min talk, 2 min discussion, 1 min speaker exchange)
 Session 11 (chairs: Yuko Otani, Atsuhiko Taniguchi)

O-13 Enhancement of breast cancer migration in optimal serum concentration and application of functional peptides for delivery of therapeutic molecules

Yurina Araki¹, Masaya Hagiwara², Daisuke Fujiwara¹, Masataka Michigami¹, Ikuo Fujii¹, Tomoka-Takatani Nakase^{3,4}, Ikuhiko Nakase¹ (¹Graduate School of Science, Osaka Metropolitan University, ²RIKEN Hakubi Research Teams, ³College of Pharmacy, Mukogawa Women's University, ⁴Institute for Biosciences, Mukogawa Women's University)

O-14 Design, synthesis and evaluation of dopa and catecholamine derivatives as an amyloid-beta aggregation inhibitor

Fusheng Xu, Okada Miyu, Makabe Koki, Konno Hiroyuki (Department of Chemistry and Biochemical Engineering, Graduate School of Science and Engineering, Yamagata University)

O-15 Habu snake three-finger toxins showed inhibitory activity against γ -secretase involved in amyloid β production causing Alzheimer disease

Tomohisa Ogawa, Rina Sakakibara, Masayoshi Seki, Masafumi Hidaka, Eugene Futa (Laboratory of Enzymology, Graduate School of Agricultural Science, Tohoku University)

O-16 Machine learning complements human intuition in the discovery of catalytic peptides

Daniela Kalafatovic (Department of Biotechnology, University of Rijeka)

10:15–10:25 **Break**

10:25–11:10 **Oral Presentations** (12 min talk, 2 min discussion, 1 min speaker exchange)
 Session 12 (chairs: Tetsuya Kadonosono, Toshiki Sawada)

O-18 The design of cell-membrane permeable helix-loop-helix peptide that inhibits nuclear receptor-coactivator interaction

Daisuke Fujiwara¹, Yuna Tanaka², Shunsuke Inaura², Sayoko Ito-Harashima³, Asako Yamaguchi¹, Ikuhiko Nakase¹, Ikuo Fujii¹ (¹Graduate School of Science, Osaka Metropolitan University, ²Graduate School of Science, Osaka Prefecture University, ³Graduate School of Agriculture, Osaka Metropolitan University)

O-19 Soft computing for constructive peptide design and peptide activity prediction

Goran Mauša^{1,2}, Marko Njirjak¹, Erik Otović¹ (¹Faculty of Engineering, University of Rijeka, ²Center for Artificial Intelligence and Cybersecurity, University of Rijeka)

O-20 Analysis of immunostimulatory mechanism through activation of dioxin receptor AHR by fermented whey derived from propionic acid bacteria

Yukihiko Narita¹, Atsuko Miura^{1,2}, Taku Sugawara², Hiroaki Shimizu¹, Hideaki Itoh³ (¹Department of Brain Surgery, Graduate School of Medicine, Akita University, ²Department of Spinal Surgery, Akita Cerebrospinal and Cardiovascular Center, ³Department of Applied Chemistry, Graduate School of Agricultural and Life Science, The University of Tokyo)

11:15–12:45 **Poster Presentations**

Session 3 (3P-001–3P-056)

Odd numbers: 11:15–12:00

Even numbers: 12:00–12:45

12:50–14:00 **Lunch Break & Luncheon Seminar (12:55–13:55, Conference Room 305, Piazza Omi)**

14:00–15:00 **Japanese Peptide Society General Meeting**

15:00–16:00 **Oral Presentations** (12 min talk, 2 min discussion, 1 min speaker exchange)

Session 13 (chairs: Ayami Matsushima, Takayuki Miki)

O-21 PPM1D phosphatase regulates neutrophil polarization through the alternative splicing of CEACAM3

Rui Kamada, Tatsuya Kodama, Shoma Kura, Fuki Kudoh, Kei Kawamura, Kazuyasu Sakaguchi (Laboratory of Biological Chemistry, Department of Chemistry, Faculty of Science, Hokkaido University)

O-22 An application of peptide microarrays for classifications of gastric cancer-risks based on a novel biodetection principle

Yuki Tominaga¹, Xiaoyan Wu², Muxin Wei^{2,4}, Kiyoshi Nokihara^{1,2,3} (¹HiPep Laboratories, ²The First Affiliated Hospital with Nanjing Medical University, ³The First School of Clinical Medicine, ⁴Institute of Integrated Medicine, Nanjing Medical University)

O-23 Construction of spiropyran-conjugated Tau-derived peptides for photocontrol of microtubule structures

Hiroshi Inaba¹, Minamo Sakaguchi¹, Soei Watari¹, Akira Kakugo², Kazunori Matsuura¹ (¹Graduate School of Engineering, Tottori University, ²Graduate School of Science, Kyoto University)

O-24 Classification of water-soluble polymers based on diversified interactions of polymer-binding peptides

Toshiki Sawada, Shion Hasegawa, Takeshi Serizawa (Department of Chemical Science and Engineering, Tokyo Institute of Technology)

16:00–16:10 **Break**

16:10–16:50 **Lectures of the Young Investigator Award**

(chair: Motoyoshi Nomizu)

Application of cell adhesive peptides to biomaterials

Yuji Yamada (Tokyo University of Pharmacy and Life Sciences)

(chair: Takeru Nose)

Investigation of the molecular mechanism involved in the temperature-responsive self-assembly of elastin-like peptide (FPGVG)_n analogs and their application in molecular materials

Keitaro Suyama (Faculty of Arts and Science, Kyushu University)

16:50–17:35 **Lecture of the Japanese Peptide Society Award**

(chair: Motoyoshi Nomizu)

Side reaction-inspired peptide and protein chemistry

Akira Otaka (Institute of Biomedical Sciences and Graduate School of Pharmaceutical Sciences, Tokushima University)

17:35–17:45 **Closing Remarks** (Youhei Sohma)