

Institute for Protein Research(IPR) International Seminar  
**Frontiers of peptide and glycoscience**

May 27<sup>th</sup>, 2016

Venue: Institute for Protein Research (1F Lecture Hall), Osaka University

9:55–10:00	Opening Remark		
10:00–10:25	Synthetic peptide for structure and function of membrane protein	Takeshi Sato	IPR, Osaka University
10:25–10:50	Synthesis of cysteine-rich peptides	Luis Moroder	Max-Planck Institute of Biochemistry
10:50–11:15	Chemical probes for visualizing biological phenomena from glycobiology to epigenetics	Yuichiro Hori	Department of Material and Life Science, Graduate School of Engineering, Osaka University
11:15–11:40	Fully synthetic and protein-conjugated glycopeptide antitumor vaccines	Horst Kunz	Institut für Organische Chemie Johannes Gutenberg-Universität Mainz
11:40–13:00	Lunch		
13:00–13:25	Development of the novel tumor immunotherapy: conjugation of tumor antigens with adjuvants	Yoshiyuki Manabe	Department of Chemistry, Graduate School of Science, Osaka University
13:25–13:50	Recent applications of the inverse-electron-demand Diels-Alder reaction in glycobiology	Valentin Wittmann	Department of Chemistry, University of Konstanz
13:50–14:15	Chemical synthesis of correctly folded and misfolded glycoproteins for understanding of glycoprotein quality control system	Yasuhiro Kajihara	Department of Chemistry, Graduate School of Science, Osaka University
14:15–14:40	Insights into the biomedical applications of nanoparticle-peptide conjugates	Nishima	U.I.E.T. Panjab University
14:40–15:10	Coffee Break		
15:10–15:35	Convergent semisynthesis of bioactive glycoproteins	Carlo Unverzagt	Bioorganic Chemistry University of Bayreuth
15:35–16:00	Purification of synthetic peptide using Edman degradation	Toshiaki Hara	Department of Chemistry, Graduate School of Science, Osaka University
16:00–16:25	The bacterial transpeptidase Sortase: A versatile tool for peptide and protein ligation strategies	Dirk Schwarzer	Interfaculty Institute of Biochemistry, University of Tübingen
16:25–16:50	Peptide based molecules as antimicrobial and chemical ligation agents: Chemistry at the interface of biology	Rohit Kumar Sharma	Department of Chemistry, Panjab University
17:00–19:00	Banquet		

Organizers: Hironobu Hojo (IPR, Osaka University)  
 Yasuhiro Kajihara (Graduate School of Science, Osaka University)  
 Hideki Nishio (Peptide Institute, Inc.)

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