



The Second A3 Roundtable Meeting on Chemical Probe Research Hub & International Symposium on Natural Products Chemistry and Chemical Biology 2017

主办方

国家自然科学基金委 (NSFC)
日本学术振兴会 (JSPS)
韩国国家研究基金会 (NRF)

承办方

浙江大学药学院

会议议题

化学生物学及相关领域研究, 包括活性天然产物发现、有机合成以及生物合成; 原创药物研发及其相关技术开发; 核酸化学生物学; 化学探针的设计合成及应用; 蛋白质修饰等。

中日韩三方会议主席

戚建华 教授 (中国 浙江大学)
Minoru Ueda 教授 (日本 东北大学)
Seung Bum Park 教授 (韩国 首尔国立大学)

会议背景

中日韩前瞻计划项目 (Asia 3 Foresight Program, 简称: A3前瞻计划) 是由中国国家自然科学基金委员会 (NSFC)、日本学术振兴会 (JSPS) 和韩国国家研究基金会 (NRF) 共同设立的合作研究计划, 旨在联合资助中、日、韩三国科学家在选定的战略领域共同开展世界一流水平的合作研究, 并通过计划的实施, 培养杰出科技人才和共同解决区域问题, 推动亚洲成为世界有影响的科学研究中心。获批项目将获得NSFC, JSPS和NRF为期5年的共同资助。

会议时间及地点

2017年11月23日~2017年11月26日, 杭州金溪山庄 (杭州市西湖杨公堤39号)

注: 有专车接送 (11月24、25日7:20药学院门口集合出发), 并免费提供午餐。具体日程安排见药学院官网。微信扫描二维码报名或联系曹同学(18324485346)咨询。

欢迎广大师生参加!



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Zhejiang University, Hangzhou, China

Tohoku University, Sendai, Japan

Seoul National University, Seoul, Korea

Co-organizer

Administration Committee of Zhejiang Hangzhou Future Science and Technology City

Hangzhou Ivy Pharmaceutical Co., Ltd

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Prof. Minoru Ueda (Tohoku University)

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Timetable

November 23 th (Thu)	13:00- Registration at Hangzhou Jinxi Hotel 18:00- Dinner					
November 24 th a.m. (Fri) (Joint Session) Jinxi Hall	8:30 Opening Remark					
	9:00 Group Photo					
	J-1 9:20 Ren Xiang Tan		J-2 9:40 Daisuke Uemura		J-3 10:00 Jae-Hyung Jang	
	10:20 Tea Break					
	J-4 10:50 Ming-Wei Wang		J-5 11:10 Shigeki Sasaki		J-6 11:30 Young-Tae Chang	
	12:00 Lunch					
	November 24 th p.m. (Fri) (Parallel Session) Session I-III	I-1 13:30 Yuichiro Kadonaga		II-1 13:30 Kenji Yatsuzuka		III-1 13:30 Sihyeong Yi
I-2 13:40 Xueli Cao		II-2 13:40 Jiangxia Du		III-2 13:40 Zutao Yu		
I-3 13:50 Minoru Ueda		II-3 13:50 Seung Bum Park		III-3 13:50 Chaoyong Yang		
I-4 14:05 Zhu-Jun Yao		II-4 14:05 Motonari Uesugi		III-4 14:05 Young Jun Seo		
I-5 14:20 Toshio Nishikawa		II-5 14:20 Kwang-il Lim		III-5 14:20 Fumi Nagatsugi		
I-6 14:35 Yong Qin		II-6 14:35 Hyung Ho Lee		III-6 14:35 Seong Wook Lee		
14:50 Tea Break		14:50 Tea Break		14:50 Tea Break		
I-7 15:20 Hiroki Oguri		II-7 15:20 Kosuke Dodo		III-7 15:20 Kazuhiko Nakatani		
I-8 15:35 Hanfeng Ding		II-8 15:35 Eunha Kim		III-8 15:35 Daishun Ling		
I-9 15:50 Kenji Monde		II-9 15:50 Yan Lee		III-9 15:50 Yun Kyung Kim		
I-10 16:05 Zhen Yang		II-10 16:05 Shiroh Futaki		III-10 16:05 Jianhua Qi		
I-11 16:20 Midori A. Arai		II-11 16:20 Mi Hee Lim		III-11 16:20 Yue-Wei Guo		
I-12 16:35 Tao Ye		II-12 16:35 Feng Han		III-12 16:35 Sanghee Lee		
18:00 Banquet						
November 25 th a.m. (Sat) (Parallel Session) Session I-III	I-13 8:30 Bo Zhang		II-13 8:30 Jun Hyeong Yim		III-13 8:30 Dahham Kim	
	I-14 8:40 Ryo Tanifuji		II-14 8:40 Masato Niwa		III-14 8:40 Hyunsung Nam	
	I-15 8:50 Hui Ming Ge		II-15 8:50 Akira Matsuura		III-15 8:50 Xinjing Tang	
	I-16 9:05 Hirokazu Kawagishi		II-16 9:05 Youngjoo Kwon		III-16 9:05 Dong-Eun Kim	
	I-17 9:20 Chu Wang		II-17 9:20 Yalin Wu		III-17 9:20 Naoki Sugimoto	
	I-18 9:35 Yoichi Nakao		II-18 9:35 Hirokazu Arimoto		III-18 9:35 Yuejin Hua	
	I-19 9:50 Tuoping Luo		II-19 9:50 Sang J. Chung		III-19 9:50 Shinsuke Inuki	
	10:05 Tea Break		10:05 Tea Break		10:05 Tea Break	
	I-20 10:35 Suwei Dong		II-20 10:35 Takeaki Ozawa		III-20 10:35 Quan Zhao	
	I-21 10:50 Masaki Kita		II-21 10:50 Huan Wang		III-21 10:50 Jun-Seok Lee	
I-22 11:05 Jian-Mei Li		II-22 11:05 Kazuya Kikuchi		III-22 11:05 Peng Zou		
12:00 Lunch						
November 25 th p.m. (Sat) (Joint Session) Jinxi Hall	J-7 13:00 Xiaoguang Lei			J-12 15:00 Hideaki Oikawa		
	J-8 13:20 Koichi Fukase			J-13 15:20 Zhen Xi		
	J-9 13:40 Kong-Joo Lee			J-14 15:40 Kyeong Kyu Kim		
	J-10 14:00 Wen Liu			J-15 16:00 Hiroyuki Osada		
	J-11 14:20 Ho Jeong Kwon			16:20 Closing Remark and Handover Ceremony		
14:40 Tea Break						
18:00 Dinner						
November 26 th a.m. (Sun)	8:30 Discussion					

Program

Friday, 24th November 2017

Joint Session (Jinxi Hall)

8:30 **Opening Remark (Prof. Jianhua Qi, Zhejiang University)**

9:00 **Group photo**

9:20 **Antibacterial Alkaloids from Marine Fish Associated Fungi**
 Ren Xiang Tan
 J-1
 (P18) Institute of Functional Biomolecules, State Key Laboratory of
 Pharmaceutical Biotechnology, Nanjing University, Nanjing 210093,
 China

9:40 **Screening for the Origin of Polyether Natural Products from**
 Marine Sponge *Halichondria okadai*
 J-2
 (P19) Daisuke Uemura
 Research Institute of Natural Drug-Leads, Kanagawa University,
 Hiratsuka Kanagawa 259-1293 Japan

10:00 **Engineering Adeno-Associated Viral (AAV) Vectors for Gene**
 and Cell Therapy Applications
 J-3
 (P20) Jae-Hyung Jang
 Department of Chemical and Biomolecular Engineering, Yonsei
 University 50 Yonsei-ro Seodaemun-gu, Seoul 03722, Korea

10:20 **Tea break**

10:50 **GLP-1R: form a small molecular agonist to the determination of**
 crystal structures
 J-4
 (P21) Ming-Wei Wang, Dehua Yang and Qing Liu
 The National Center for Drug Screening, Shanghai Institute of
 Materia Medica, Chinese Academy of Sciences, Shanghai, China

11:10 **Artificial Receptor Molecules for Specific Detection of 8-oxo-**
 dGTP and 8-nitro-GMP in Aqueous Media
 J-5
 (P22) Yasufumi Fuchi, Hideto Obayashi, Takashi Fukuda, Shigeki Sasaki
 Graduate School of Pharmaceutical Sciences Kyushu University 3-
 1-1 Maidashi, Higashi-ku, Fukuoka 812-8582, Japan

- Molecular imaging for biological complex system**
Young-Tae Chang
11:30 J-6
(P23) Center for Self-assembly and Complexity, Institute for Basic Science (IBS) & Department of Chemistry, Pohang University of Science and Technology (POSTECH), Pohang 37673, Republic of Korea

12:00 **Lunch**

Friday, 24th November 2017

Parallel Session-Session I

- Study towards the total synthesis of structurally complex tetracyclic diterpenoid Jungermatrobrunin A**
13:30 I-1
(P24) Yuichiro Kadonaga
College of Chemistry, Peking University, Beijing 100871, China

- Anti-aging cucurbitane glycosides from fruits of *Momordica charantia* L.**
13:40 I-2
(P25) Xueli Cao, Yujuan Sun, Yanfei Lin, Umer Farooq, Yanjun Pan, Lan Xiang, Jianhua Qi
College of Pharmaceutical Sciences, Zhejiang University, Yu Hang Tang Road 866, Hangzhou, Zhejiang Province, China

- GTR1, a unique multifunctional transporter of plant metabolites**
13:50 I-3
(P26) Minoru Ueda
Department of Chemistry, Tohoku University, 6-3 Aramaki-Aza Aoba, Aoba-ku, Sendai 980-8578, JAPAN

- Study on chlorofusin, a natural p53-mdm2 antagonist**
14:05 I-4
(P27) Zhu-Jun Yao
State Key Laboratory of Coordination Chemistry and Jiangsu Key Laboratory of Advanced Organic Materials, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210023, China

- Concise Synthesis of Oscillatoxin D and its analogues**
14:20 I-5
(P28) Toshio Nishikawa, Yusuke Araki, Yoshihiko Nokura, Atsuo Nakazaki
Graduate School of Bioagricultural Sciences, Nagoya University, Chikusa, Nagoya, Japan

Collective Synthesis of Indole Alkaloids based on Radical Cascade
14:35 I-6
(P29) Yong Qin
Key Laboratory of Drug Targeting and Drug Delivery Systems of the Ministry of Education, West China School of Pharmacy, Sichuan University

14:50 **Tea break**

Development of artificial assembly lines for natural products and their variants
15:20 I-7
(P30) Hiroki Oguri
Tokyo University of Agriculture and Technology, Graduate School of Engineering, Division of Applied Chemistry, Nakacho 2-24-16, Koganei, Tokyo 184-8588

Total Syntheses of Highly Oxidized *ent*-Kaurenoids: A [5+2] Cascade Approach
15:35 I-8
(P31) Chi He, Jialei Hu, Yubing Wu, Hanfeng Ding
Department of Chemistry, Zhejiang University, 866 Yuhangtang Road, Hangzhou 310058, China

Naturally occurring sphingomyelin synthase inhibitors inspiring sphingo mimics
15:50 I-9
(P32) Mahadeva Swamy M. M, Yuta Murai, Yusuke Ohno, Sajeer Koolath, Yoshiko Suga, Masaki Anetai, Akio Kihara, and Kenji Monde
Faculty of Advanced Life Science, Hokkaido University, Sapporo, Japan, Kita 10 Nishi 11, Sapporo, Japan 001-0021

Enantioselective Total Synthesis of (–)-Pavidolide B
16:05 I-10
(P33) Peng-Peng Zhang, Zhi-Ming Yan, Yuan-He Li, Jian-Xian Gong, Zhen Yang
Laboratory of Chemical Genomics, School of Chemical Biology and Biotechnology, Peking University Shenzhen Graduate School, Shenzhen, 518055, China

Target Protein Oriented Natural Products Isolation (TPO-NAPI)
16:20 I-11
(P34) Midori A. Arai
Graduate School of Pharmaceutical Sciences, Chiba University, 1-8-1, Inohana, Chuo-ku, Chiba, 260-8675, Japan

Development of Anticancer Agents from Natural Products
16:35 I-12
(P35) Tao Ye
School of Chemical Biology & Biotechnology, Peking University Shenzhen Graduate School, Shenzhen University Town, Xili, Nanshan District, Shenzhen, 518055, China

18:00 **Banquet**

Friday, 24th November 2017

Parallel Session-Session II

- 13:30 II-1
 (P36) **Live-Cell Imaging of mRNAs by Aptamer-Binding Fluorescent Molecules**
Kenji Yatsuzuka, Shin-ichi Sato, Motonari Uesugi
Institute for Chemical Research, Kyoto University, Gokasho, Uji,
Kyoto 611-0011, Japan
- 13:40 II-2
 (P37) **Dasatinib synergises with irinotecan to suppress hepatocellular carcinoma via inhibiting the protein synthesis of PLK1**
Jiangxia Du, Jinjin Shao, Min Chen, Hao Yan, Guanqun Li, Yi Zhu,
Zhifei Xu, Bo Yang, Peihua Luo, Qiaojun He
Zhejiang Province Key Laboratory of Anti-Cancer Drug Research,
Institute of Pharmacology & Toxicology, College of Pharmaceutical
Sciences, Zhejiang University Hangzhou 310058, China
- 13:50 II-3
 (P38) **FITGE-Based Target Identification: New Tool in Chemical Biology**
Seung Bum Park
CRI Center for Chemical Proteomics, Department of Chemistry,
Seoul National University, 1 Gwanak-ro Gwanak-gu, Seoul 08826,
Korea
- 14:05 II-4
 (P39) **Synthetic Small-Molecule Tools for Cell Biology**
Motonari Uesugi
Institute for Chemical Research, Kyoto University, AMED-CREST,
AMED, Gokasho, Uji-shi, Kyoto 611-0011, Japan
- 14:20 II-5
 (P40) **Safe human genome modifications using novel retroviral vector systems**
Kwang-il Lim
Department of Chemical and Biological Engineering, Sookmyung
Women's University, 100 Cheongpa-ro 47-gil, Yongsan-gu, Seoul,
South Korea 04310

14:35 II-6
(P41) **Structural Characterization of the FliD-FliT complex: Targeting Bacterial Flagella in the Fight against Infections**
Hyung Ho Lee
Department of Chemistry, Seoul National University, 1 Gwanak-ro Gwanak-gu, Seoul 08826, Korea

14:50 **Tea break**

15:20 II-7
(P42) **O-NBD: Small bifunctional unit for turn-ON fluorescent affinity labeling**
Kosuke Dodo
Synthetic Organic Chemistry Laboratory, RIKEN, RIKEN Center for Sustainable Resource Science, 2-1, Hirosawa, Wako-shi, Saitama 351-0198 Japan

15:35 II-8
(P43) **Super-Dark Rainbow Fluorogenic Probes for inverse Electron Demand Diels-Alder Bioorthogonal Reaction**
Eunha Kim
Department of Molecular Science and Technology, Ajou University, 206 World cup-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16499, Korea

15:50 II-9
(P44) **Multimeric Amphipathic α -Helical Peptides for Efficient and Rapid Intracellular Transport of Biomedical Molecules**
Yan Lee
Department of Chemistry, Seoul National University, 1 Gwanak-ro Gwanak-gu, Seoul 08826, Korea

16:05 II-10
(P45) **Cytosolic antibody delivery by lipid-sensitive endosomolytic peptide**
Shiroh Futaki
Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan

16:20 II-11
(P46) **Multiple Interconnected Pathological Factors in Alzheimer's Disease**
Mi Hee Lim
Department of Chemistry, Ulsan National Institute of Science and Technology, Ulsan 44919, Korea

16:35 II-12
(P47) **Endothelial TIGAR protects tight junction integrity from excessive autophagy during hypoglycemic stress**
Feng Han
Institute of Pharmacology and Toxicology, College of Pharmaceutical Sciences, Zhejiang University, Hangzhou 310058, China.

18:00 **Banquet**

Friday, 24th November 2017

Parallel Session-Session III

13:30 III-1
(P48) **Rational Design and Synthesis of Reversible Covalent PPAR γ Ligand inhibiting Cdk5-mediated Ser273 phosphorylation**
Hyunsoo Kim, Hwan Bae, Sihyeong Yi and Prof. Seung Bum Park
CRI Center for Chemical Proteomics, Department of Chemistry,
Seoul National University, 1 Gwanak-ro Gwanak-gu, Seoul 08826,
Korea

13:40 III-2
(P49) **Cooperative DNA recognition by artificial assemblies to mimic transcription factor pair**
Zutao Yu, Hiroshi Sugiyama
Department of Chemistry, Graduate School of Science, Kyoto
University, Kyoto 606-8502, Japan

13:50 III-3
(P50) **Evolution of Aptamers for Circulating Tumor Cell Analysis**
Chaoyong Yang
Department of Chemical Biology, College of Chemistry and
Chemical Engineering, Xiamen University, Xiamen 361005, China

14:05 III-4
(P51) **Signal-Amplified Folded DNA Probing Systems targeting miRNA 21**
Young Jun Seo
Department of Chemistry, Research Institute of Physics and
Chemistry, Chonbuk National University, Jeonju 561-756, Korea

14:20 III-5
(P52) **Development of the Alkylating Probes for G-Quadruplex DNA**
Fumi Nagatsugi, HAZEMI, Madoka Eureka, Norihiro Sato,
Kazumitsu Onizuka
IMRAM, Tohoku University, 2-1-1 Katahira, Aoba-ku, Sendai 980-
8587, Japan

14:35 III-6
(P53) **HCV Infection-Mediated Liver Fibrosis by Exosome-Delivered MicroRNA**
Seong-Wook Lee
Graduate School of Integrated Life Sciences, Research Institute of
Advanced Omics, Dankook University, 152, Jukjeon-ro, Suji-gu,
Yongin 16890, Korea

14:50 **Tea break**

- Targeting Trinucleotide Repeat Sequences by Small Organic Molecules**
 15:20 III-7
 (P54) Kazuhiko Nakatani
 The Institute of Scientific and Industrial Research (SANKEN),
 Osaka University 8-1, Mihogaoka, Ibaraki, 567-0047, Japan
- Multifunctional Nanoparticle Assemblies for Biomedical Applications**
 15:35 III-8
 (P55) Daishun Ling
 Institute of Pharmaceutics, College of Pharmaceutical Sciences,
 Zhejiang University, Hangzhou 310058, P. R. China
- Tau-BiFC transgenic mouse model to investigate pathological tau aggregation *in vivo* & *in vitro***
 15:50 III-9
 (P57) Yun Kyung Kim
 Center for Neuro-medicine, Korea Institute of Science &
 Technology, Hwarang-ro 14gil 5, Sungbuk-gu, Seoul 02792, Korea
- Mechanism of Action Studies on Neuritogenic Small Molecules**
 16:05 III-10
 (P58) Jianhua Qi, Lihong Cheng, Jing Li, Linglin Bian, Lan Xiang
 Lab of Natural Medicinal Chemistry & Chemical Biology, College
 of Pharmaceutical Sciences, Zhejiang University, Yu Hang Tang
 Road 866, Hangzhou 310058, P. R. China
- Chemoecology Guided Discovery of Drug Leads from South China Sea Marine Invertebrates**
 16:20 III-11
 (P59) Yue-Wei Guo
 Shanghai Institute of Material Medica, Chinese Academy of
 Sciences, 555# Zu Chong Zhi Road, Pudong, Shanghai, China
- Genome-wide pooled CRISPR screening identified novel regulators for STING agonist**
 16:35 III-12
 (P60) Sanghee Lee
 Center for Neuromedicine, Brain Science Institute, Korea Institute of
 Science and Technology, 5, Hwarang-ro 14-gil, Seongbuk-gu, Seoul
 02792, Korea

18:00 **Banquet**

Saturday, 25th November 2017

Parallel Session-Session I

- 8:30 I-13
(P61) **A Long-Range Acting Dehydratase Domain as the Missing Link for C17-Dehydration in Iso-Migrastatin Biosynthesis**
Bo Zhang
State Key Laboratory of Pharmaceutical Biotechnology, Nanjing University, Nanjing 210023, China
- 8:40 I-14
(P62) **Chemo-enzymatic Total Synthesis of Jorunnamycin A Streamlined Integration of Chemical Synthesis and *In Vitro* Biosynthesis**
Ryo Tanifuji; Kento Koketsu; Michiko Takakura; Ryutaro Asano; Atsushi Minami; Hideaki Oikawa; Hiroki Oguri
Tokyo University of Agriculture and Technology, Graduate School of Engineering, Division of Applied Chemistry, Nakacho 2-24-16, Koganei, Tokyo 184-8588, Japan
- 8:50 I-15
(P63) **New bioactive natural products from a locust-associated actinomycete**
Hui Ming Ge
State Key Laboratory of Pharmaceutical Biotechnology, Institute of Functional Biomolecules, Nanjing University, Nanjing 210023, China
- 9:05 I-16
(P64) **Fairy chemicals as a candidate for a new family of plant hormones**
Hirokazu Kawagishi
Research Institute of Green Science and Technology, Shizuoka University, 836 Ohya, Suruga-ku, Shizuoka 422-8529, Japan
- 9:20 I-17
(P65) **Chemoproteomic Profiling Reveals the Anti-steatosis Mechanism of Traditional Chinese Medicine**
Jianye Dai, Chu Wang
College of Chemistry and Molecular Engineering, Peking University, 5th Yiheyuan Road, Beijing, China, 100871
- 9:35 I-18
(P66) **Sameuramide, a depsipeptide isolated from the ascidian of the family Didemnidae**
Koshi Machida, Ryousuke Katsumata, Daisuke Arai, Shoubin Tang, Tao Ye, and Yoichi Nakao
Graduate School of Advanced Science and Engineering, Waseda University, 3-4-1 Okubo, Shinjuku-ku, Tokyo 169-8555, Japan

Strained Michael Acceptor Natural Products: Chemical Synthesis to Facilitate Chemical Biology Studies

- 9:50 I-19
(P67) Tuoping Luo
YandongLu, Fan Su, Tianfei Quan, Yinliang Guo, Shan Zhao,
College of Chemistry and Molecular Engineering, Peking-Tsinghua
Center for Life Sciences, Peking University, No. 202 Chengfu Road,
Haidian District, Beijing 100871, China

10:05 **Tea break**

Chemical Synthesis of Interferon Gamma

- 10:35 I-20
(P68) Suwei Dong
State Key Laboratory of Natural and Biomimetic Drugs, School of
Pharmaceutical Sciences, Peking University, 38 Xueyuan Road,
Haidian District, Beijing 100191, China

Binding position analysis of target proteins using LA-LDI MS

- 10:50 I-21
(P69) Masaki Kita
Graduate School of Bioagricultural Sciences, Nagoya University and
JST–PRESTO Furo-cho, Chikusa, Nagoya 464-8601, Japan

Title: Beneficial Effects of Curcumin in a Metabolic Syndrome Model

- 11:05 I-22
(P70) Jian-Mei Li, Ling-Dong Kong
School of Life Sciences, Nanjing University, Nanjing 210023, P. R.
China

12:00 **Lunch**

Saturday, 25th November 2017

Parallel Session-Session II

Therapeutic effect of small-molecule binding High Mobility Group B Protein 1 on Parkinson' disease

- 8:30 II-13
(P71) Jun Hyeong Yim, and Seung Bum Park
Department of Biophysics and Chemical Biology, Seoul National
University, 1 Gwanak-ro Gwanak-gu, Seoul 08826, Korea

- Development of a membrane-anchoring Fe(II) fluorescent probe**
 8:40 II-14 (P72) Masato Niwa, Tasuku Hirayama, Hideko Nagasawa
 Laboratory of Pharmaceutical and Medicinal Chemistry, Gifu Pharmaceutical University, 1-25-4 Daigaku-nishi, Gifu, Japan
- Linking chemical biology to cell biology: elucidation of the mechanism to fine-tune the Target Of Rapamycin pathway in yeast**
 8:50 II-15 (P73) Akira Matsuura and Eigo Takeda
 Graduate School of Science, Chiba University, 1-33 Yayoi-chou, Chiba 263-8522, Japan
- Trastuzumab resistance by heat-shock protein 27 (HSP27, HSPB1) upregulation in HER2-overexpressing breast cancer**
 9:05 II-16 (P74) Youngjoo Kwon
 College of Pharmacy and Graduate School of Pharmaceutical Sciences, Ewha Womans University, Seoul 120-750, Republic of Korea
- Involvement of chaos in the visual (retinoid) cycle with age-related macular degeneration**
 9:20 II-17 (P75) Yi Liao, Houjian Zhang, Chunyan Liao, Zhan Gao, Zuguo Liu, and Yalin Wu
 Fujian Provincial Key Laboratory of Ophthalmology and Visual Science, Eye Institute of Xiamen University, College of Medicine, Xiamen University, Xiamen 361102, Fujian Province, China
- Roles and Applications of S-Guanylation in Targeted Degradation of Disease-related Cargos**
 9:35 II-18 (P77) Hirokazu Arimoto
 Graduate School of Life Sciences, Tohoku University, 2-1-1 Katahira, Aoba-ku, Sendai 980-8577, Japan
- Application of iFRET for Protein Detection and Drug Screening**
 9:50 II-19 (P78) Sang J. Chung
 Department of Pharmacy, College of Pharmacy, Sunkyunkwan University, 2066 Seoburo, Jangan-gu, Suwon, Gyenggi-do 16419, Korea
- 10:05 **Tea break**

- Protein-based luminescent sensors for chemical-library screening**
 10:35 II-20 Takeaki Ozawa
 (P79) Department of Chemistry, Graduate School of Science, The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan
- Synthesis of bioactive and stabilized cyclic peptides by macrocyclization**
 10:50 II-21 Jian Tang and Huan Wang
 (P80) State Key Laboratory of Coordination Chemistry, School of Chemistry and Chemical Engineering, Nanjing University, 163 Xianlin Ave., Nanjing, China
- Development of Memory Imaging Probes for Clarifying Role of GLUT4 N-Glycan in Intracellular Trafficking**
 11:05 II-22 Kazuya Kikuchi
 (P81) Graduate School of Engineering, Osaka University, 2-1 Yamadaoka, Suita City, 565-0871 Osaka, Japan

12:00 **Lunch**

Saturday, 25th November 2017

Parallel Session-Session III

- Rational design of Naphthalene-Based Two-Photon Fluorophore with Full Visible-Color Coverage and its Bio-Imaging Applications**
 8:30 III-13 Dahham Kim, Ja Young Koo, Cheol Ho Heo, Young-Hee Shin,
 (P82) Chang Su Lim, Bong Rae Cho, Hwan Myung Kim, and Seung Bum Park
 Department of Chemistry, Seoul National University, Seoul 08826, Korea
- Real-time and quantitative monitoring of GLUT4 trafficking in live cells**
 8:40 III-14 Hyunsung Nam, Ala Jo and Seung Bum Park
 (P83) CRI Center for Chemical Proteomics, Department of Chemistry, Seoul National University, 1 Gwanak-ro Gwanak-gu, Seoul 08826, Korea

8:50 III-15
(P84) **Photoregulation of gene silencing using photolabile siRNA with targeting moieties**
Xinjing Tang, Changmai Chen, Lijia Yu, Liangliang Zhang, Jiali Yan
State Key Laboratory of Natural and Biomimetic Drugs, Peking University No. 38, Xueyuan Rd. Beijing 100191

9:05 III-16
(P85) **Autophagy and keratin 8 protect degeneration of retinal pigment epithelium under oxidative stress**
Ahruem Baek and Dong-Eun Kim
Department of Bioscience and Biotechnology, Graduate School, Konkuk University, 120 Neungdong-ro, Gwangjin-gu, Seoul 05029, Korea

9:20 III-17
(P86) **Effect of noncanonical DNA structures on DNA polymerase**
Naoki Sugimoto
Frontier Institute for Biomolecular Engineering Research (FIBER) and Graduate School of Frontiers of Innova Konan University, Kobe, Japan, 7-1-20, Minatojima-minami, Chuo-ku, Kobe, 650-0047, Japan

9:35 III-18
(P87) **The Role of SUMO1 Modification of FEN1 in the Rescue of Stalled Replication Fork after DNA Damage**
Hong Xu, Xiaoli Xu, Zhigang Guo, Rongyi Shi, Liangyan Wang, Ye Zhao, Bing Tian, Yuejin Hua
Institute of Nuclear-Agricultural Sciences, Zhejiang University, Hangzhou 310029, China

9:50 III-19
(P88) **Development of Novel CD1d Ligands Containing Modified Lipid Moieties**
Shinsuke Inuki, Toshihiko Aiba, Natsumi Hirata, Osamu Ichihara, Daisuke Yoshidome, Shunsuke Kita, Katsumi Maenaka, Koichi Fukase, Yukari Fujimoto
Graduate School of Science and Technology, Keio University, Graduate School of Pharmaceutical Sciences, Kyoto University, 46-29 Yoshidashimoadachi-cho, Sakyo-ku, Kyoto 606-8501 Japan

10:05 **Tea break**

10:35 III-20
(P89) **Identification of an Aurora B kinase inhibitor**
Quan Zhao
State Key Laboratory of Pharmaceutical Biotechnology, School of Life Sciences, Nanjing University, Nanjing 210023, China

**Reassessment of the origin of fluorescence turn-on phenomena:
Dansyl-scaffold DOFL case study**
10:50 III-21 Jun-Seok Lee
(P90) Molecular Recognition Research Center, Korea Institute of Science
and Technology, 39-1 Hawolgok-dong Seungbuk-gu, Seoul, 136-
791, South Korea

Chromophore-assisted Proximity Tagging of RNA
11:05 III-22 Pengchong Wang, Wei Tang, Peng Zou
(P91) College of Chemistry and Molecular Engineering, Peking University,
Beijing, 100871, China

12:00 **Lunch**

Saturday, 25th November 2017

Joint Session (Jinxi Hall)

13:00 J-7 Xiaoguang Lei
(P92) College of Chemistry, Peking University, Beijing 100871, China

**Development of tumor vaccine candidates using self-adjuvanting
strategy**
13:20 J-8 Koichi Fukase
(P93) Graduate School of Sciences, Osaka University, Toyonaka, Osaka,
Japan

**Small Molecule Activator of Tumor Metastasis Suppressor
Protein Nm23-/NDPK as an Inhibitor of Cancer Metastasis**
13:40 J-9 Kong-Joo Lee
(P94) Graduate School of Pharmaceutical Sciences, College of Pharmacy,
Ewha Womans University, Daehyundong 11-1, Seoul 120-750,
Korea

**Bio-Inspired Engineering of Thiopeptide Antibiotics toward the
Expansion of Molecular Diversity and Utility**
14:00 J-10 Wen Liu
(P95) State Key Laboratory of Bio-Organic & Natural Products Chemistry,
Shanghai Institute of Organic Chemistry, Chinese Academy of
Sciences, 345 Lingling Road, Shanghai 200032

Exploring new targets of existing drugs with label-free based target identification and validation

- 14:20 J-11
(P96) Ho Jeong Kwon
Chemical Genomics Global Research Laboratory (GRL),
Department of Biotechnology, Yonsei University, 50 Yonsei-ro,
Seodaemun-gu, Seoul 03722, Korea

14:40 **Tea break**

Construction of focused library of structurally related fungal metabolites using genome mining

- 15:00 J-12
(P97) Atsushi Minami, Liu Chengwei, Taro Ozaki and Hideaki Oikawa
Division of Chemistry, Graduate School of Science, Hokkaido
University, Sapporo 060-0810, Japan

QSAR on Biomolecular Interactions

- 15:20 J-13
(P98) Zhen Xi
State Key Laboratory of Elemento-Organic Chemistry and
Department of Chemical Biology, National Engineering Research
Center on Pesticide, Collaborative Innovation Center of Chemical
Science and Engineering, Nankai University, Tianjin 300071, China

Antivirulence strategy for the treatment of the drug resistance bacter

- 15:40 J-14
(P99) Kyeong Kyu Kim
Department of molecular Cell Biology, Sungkyunkwan University,
School of Medicine, Suwon 16419, Korea

Regulation of tenuazonic acid production in *Pyricularia oryzae*

- 16:00 J-15
(P100) Choong-Soo Yun, Takayuki Motoyama, and Hiroyuki Osada
Chemical Biology Research Group, RIKEN CSRS, Hirosawa 2-1,
Wako-shi, Saitama 351-0198 Japan

16:20 **Closing Remark and Handover Ceremony**

18:00 **Dinner**