

The First A3 Roundtable Meeting on Chemical Probe Research Hub September 22-24, 2016 Fukuoka (Japan)

Tuesday, 22nd September 2016

Session 1A

14:00		Welcome and Opening Remarks
14:20	1A-1	Chemical Biology of Plant Natural Products <u>Minoru Ueda</u> , Yousuke Takaoka, Shusuke Egoshi, Mana Iwahashi Department of Chemistry, Tohoku University 6-3 Aramai-aza Aoba, Aoba-ku, Sendai 980-8578, JAPAN
14:40	1A-2	A small molecule derived from Gentianae for the treatment of age-related diseases <u>Jianhua Qi</u> , Yanhui Wang, Jing Li, Lan Xiang College of Pharmaceutical Sciences, Zhejiang University Yu Hang Tang Road 866, Hangzhou 310058, P. R. China
15:00	1A-3	Discovery of a small-molecule inhibitor of protein-microRNA interaction using binding assay with a site-specifically labeled Lin28 Donghyun Lim, Wan Gi Byun, Ja Young Koo, Hankum Park, and <u>Seung Bum Park</u> CRI Center for Chemical Proteomics, Department of Chemistry, Seoul National University, Seoul 08826, Korea
15:20	1A-4	Synthetic Molecules for Cell Biology and Cell Therapy <u>Motonari Uesugi</u> Institute for Integrated Cell-Material Sciences (WPI-iCeMS) & Institute for Chemical Research, Kyoto University, AMED-CREST, AMED, Gokasho, Uji-shi, Kyoto 611-0011, Japan
15:40	1A-5	Symbiont-derived Bioactive Metabolites: Discovery and Biosynthesis <u>Ren Xiang Tan</u> , Hui Ming Ge, Wei Yan Institute of Functional Biomolecules, State Key Laboratory of Pharmaceutical Biotechnology, Nanjing University, Xianlin Road No. 163, Qixia District, Nanjing 210046, P R China
16:00		Break
16:20	1A-6	Protein Oxidative Modifications and their Structural Regulation Jae-Jin Lee, In-Kang Song, <u>Kong-Joo Lee</u> Graduate School of Pharmaceutical Sciences, College of Pharmacy, Ewha Womans University, Daehyundong 11-1, Seoul 120-750, Korea
16:40	1A-7	How does a helicase assist the replication of G-quadruplex DNA? Hiromichi Okura, Shuntaro Takahashi, and <u>Naoki Sugimoto</u> FIBER and FIRST, Konan University, 7-1-20, Minatojima-minamimachi, Chuo-ku, Kobe 650-0047, Japan
17:00	1A-8	Aptamer Functionalized Microfluidic Device for Synergistic Enrichment of Circulating Tumor Cells <u>Chaoyong Yang</u> Department of Chemical Biology, College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, Fujian 361005, P.R.China
17:20	1A-9	Fluorescent Nucleic Acid Systems : Design, Construction, and Application <u>Byeang Hyeon Kim</u> Department of Chemistry, Division of Advanced Materials Science, Pohang University of Science and Technology (POSTECH), 77 Cheongam-Ro, Namgu, Pohang, Gyeongbuk, 37673, Korea
17:40	1A-10	Discovery and Cellular Delivery of Ligands that Bind the DNA and RNA that Cause Myotonic Dystrophy Type 1 and Other Diseases <u>Steven C. Zimmerman</u> , Yugang Bai, Long Luu, Lien Nguyen, Julio F. Serrano Department of Chemistry, University of Illinois, 600 S. Mathews Ave., Urbana, IL, 61801, USA
19:00-21:00		Welcome Reception and Group Photo

Friday, 23rd September 2016

Session 2B

- 8:20 2B-1 **Gene Nanovector through Branch-PCR**
Jianbing Liu, Zhen Xi
State Key Laboratory of Elemento-Organic Chemistry, Nankai University,
Tianjin 300071, P. R. China
- 8:35 2B-2 **Fluorometric Detection of Single-nucleotide Changes in DNA and RNA Using Isothermal Gene Amplification**
Il Joon Lee, Chaesun Hong, Ahruem Baek, Nam-In Goo, and Dong-Eun Kim
Department of Bioscience and Biotechnology, Konkuk University,
120 Neungdong-ro, Gwangjin-gu, Seoul 05029, Korea
- 8:50 2B-3 **Novel isothermal method for nucleic acid biomarker analyses**
Masayasu Kuwahara
Graduate School of Science and Technology, Gunma University,
1-5-1 Tenjin-cho, Kiryu, Gunma 376-8515, Japan
- 9:05 2B-4 **Chemical-assisted Sequencing of Epigenetic Nucleic Acid Modifications**
Chengqi Yi, Xiaoyu Li, Bo Xia, Xushen Xiong, Shiqing Ma
State Key Laboratory of Protein and Plant Gene Research, School of Life Sciences,
and Peking-Tsinghua Center for Life Sciences, Peking University,
Beijing, 100871, P. R. China
- 9:20 2B-5 **Assembling enzymes on a DNA scaffold**
Eiji Nakata and Takashi Morii
Institute of Advanced Energy, Kyoto University, Gokasyo, Uji, Kyoto 611-0011, Japan
- 9:35 **Break**
- 10:00 2B-6 **Analysis of Alcohol-induced DNA Damage in Escherichia coli by Visualizing Single Genomic DNA Molecules**
Kyubong Jo
Department of Chemistry, Sogang University, Korea,
1 Shinsudong Mapogu, Seoul, Korea
- 10:15 2B-7 **Development and Application of Highly Selective Fluorescent Probes for G-Quadruplex Nucleic Acids**
Jia-Heng Tan, Zhi-Shu Huang
School of Pharmaceutical Sciences, Sun Yat-sen University, No. 132, Waihuan East
Road, Higher Education Megacenters, Guangzhou 510006, China
- 10:30 2B-8 **A Significant Enhancement of Color Transition from an On-off Type Achromatic Colorimetric Nano-sensor for Highly Sensitive Multi-analyte Detection with Naked Eye**
Jung Heon Lee, Jun Hyuk Heo, Gyu Sung Yi, Byoung Sang Lee, Hui Hun Cho, Jin
Woong Lee School of Advanced Materials Science & Engineering, Sungkyunkwan
University (SKKU) Suwon 16419, Korea
- 10:45 2B-9 **Photo-crosslinking approaches to identify receptors involved in cellular-uptake of arginine-rich cell-penetrating peptides**
Shiroh Futaki, Yoshimasa Kawaguchi, Gen Tanaka, Toshihide Takeuchi
Institute for Chemical Research, Kyoto University Uji, Kyoto 611-0011, Japan
- 11:00 2B-10 **Delivery Pathway Regulation of 3',3"-Bis-peptide-siRNA Conjugate by Nano-carrier Architecture Engineering**
Zhenjun Yang, Lihe Zhang
State Key Laboratory of Natural and Biomimetic Drugs, School of Pharmaceutical
Sciences, Peking University, No. 38, Xueyuan Rd, Beijing 100191, P. R. China
- 11:15 **Lunch**
- 12:45 2B-11 **L-DNA tetrahedron: a tumor-targeted drug delivery platform**
Dae-Ro Ahn and Kyoung-Ran Kim
Center for Theragnosis, Korea Institute of Science and Technology (KIST)
Hwarangno 14-gil 5, Seongbuk, Seoul 02792, Republic of Korea

- 13:00 2B-12 **Non-natural nucleoside derivatives for selective stabilization of the antiparallel triplex DNA with multiple inversion sites**
Hidenori Okamura, Yosuke Taniguchi and Shigeki Sasaki
Graduate School of Pharmaceutical Sciences, Kyushu University,
3-1-1 Maidashi, Higashi-ku, Fukuoka 812-8582, Japan
- 13:15 2B-13 **Group I Intron-based RNA Reprogramming for Cancer Theranostics**
Seong-Wook Lee, Juhyun Kim, Yun-Hee Kim, Jin Sook Jeong, In-Hoo Kim
Graduate School of Integrated Life Sciences, Dankook University,
152, Jukjeon-ro, Suji-gu, Yongin 16890, Korea
- 13:30 2B-14 **miR-574-5p acts as a natural ligand for mTlr7/hTLR8 to control immune and inflammatory responses in autoimmune diseases**
James Y. Yang, Tao Wang, Dan Song, Yu Luo, Yan Zhang, Jianchun Cai, Feng Zheng
State Key Laboratory of Cellular Stress Biology, Innovation Center for Cell Signaling Network, School of Life Sciences, Xiamen University, Xiang'an, Xiamen, China361102
- 13:45 2B-15 **Preparation of "Cross-Linkable duplex" using the Oligonucleotide Containing 4-amino-2-oxo-6-vinyl-1,3,5-triazine**
Fumi Nagatsugi, Kenta Odaira, Ken Yamada
IMRAM, Tohoku University, 2-1-1 Katahira, Aoba-ku, Sendai 980-8587, Japan
- 14:00 **Break**
- 14:20 2B-16 **New Insights about Stability of Z-DNA**
Qi Li, Yiqiao Fan, Ran An, Jing Li, Ping Dong, Xingguo Liang
College of Food Science and Engineering, Ocean University of China,
No. 5, Yushan Road, Shinan Qu, Qingdao 266003, P.R.China
- 14:35 2B-17 **Development of a Nano Z-DNA sensor for identification of new Z-DNA inducers**
Vinod Kumar Subramani and Kyeong Kyu Kim
Department of Molecular Cell Biology, Sungkyukwan University School of medicine
Suwon, 440-746, Korea
- 14:50 2B-18 **Precision Machining of Gold Nanoparticles by DNA Origami Tools**
Jie Chao, Yinan Zhang, Bing Liu, Chunhai Fan
Institute of Advanced Materials, Nanjing University of Posts and Telecommunications,
Nanjing 210023, China
- 15:05 2B-19 **Chemical Biology of Nucleic Acids: DNA Origami and Artificial Genetic Switch**
Hiroshi Sugiyama
Department of Chemistry, Graduate School of Science and
Institute Integrated Cell-Material Sciences (iCeMS), Kyoto University,
Sakyo-ku 606-8502, Japan
- 15:20 2B-20 **Profiling of CRISPR-Cpf1 activity based on target sequence composition**
Hui Kwon Kim, Myungjae Song, Hyongbum (Henry) Kim
Department of Pharmacology, Yonsei University College of Medicine,
50-1 Yonsei-ro, Seodaemun-gu, Seoul 03722, South Korea
- 15:35 **Break**
- 16:00 2B-21 **Genome editing using CRISPR nucleases**
Sangsu Bae
Department of Chemistry, Hanyang University,
222 Wangsimni-ro, Seongdong-gu, Seoul 04763, South Korea
- 16:15 2B-22 **Reduce off-target effect of RNA interference with circular siRNAs**
Yuan Wang, Xingsu Long, Lijia Yu, Liangliang Zhang, Jiali Yang, XinJing Tang
State Key Laboratory of Natural and Biomimetic Drugs, School of Pharmaceutical Sciences, Peking University, No. 38, Xueyuan Rd, Beijing 100191, P. R. China
- 16:30 2B-23 **New molecular technologies for stabilization and activation of oligonucleotide therapeutics**
Takeshi Wada, Yohei Nukaga, Yusuke Maeda, Rintaro Hara
Faculty of Pharmaceutical Sciences, Tokyo University of Science,
2641 Yamazaki, Noda, Chiba, 278-8510, Japan
- 16:45 2B-24 **Identifying GAPDH as a Novel Cyclic Adenosine Diphosphoribose (cADPR) Binding Protein by Photoaffinity Protein-Ligand Labeling Approach**
Kehui Zhang, Wei Sun, Lihong Huang, Kaiyuan Zhu, Longchao Zhu, Qian Wang, Yingying Lu, Hongmin Zhang, Hongwei Jin, Li-He Zhang, Liangren Zhang, Jianbo Yue
State Key Laboratory of Natural and Biomimetic Drugs, School of Pharmaceutical Sciences, Peking University, No. 38, Xueyuan Rd, Beijing 100191, P. R. China

Session 2C

- 8:20 2C-1 **Identification of Novel Peptide Ligand-receptor Pairs in Plants**
Yoshikatsu Matsubayashi
 Department of Biological Science, Graduate School of Science, Nagoya University, Chikusa, Nagoya 464-8602, Japan
- 8:35 2C-2 **Asymmetric Total Synthesis of Lancifodilactone G Enabled by RCM Reaction and Pauson-Khand Reaction as Key Steps**
Dong-Dong Liu, Tian-Wen Sun, Kuang-Yu Wang, Yong Lu, Jia-Hua Chen and Zhen Yang
 Key Laboratory of Bioorganic Chemistry and Molecular Engineering of Ministry of Education of College of Chemistry and Peking-Tsinghua Center for Life Sciences and Academy for Advanced Interdisciplinary Studies, Peking University, Beijing 100871, China.
- 8:50 2C-3 **Development of a radical based synthetic strategy for the posttranslational modification of proteins.**
Aerin Yang, Sura Ha, Hee-Sung Park, and Hee-Yoon Lee
 Department of Chemistry, KAIST (Korea Advanced Institute of Science and Technology) 291 Daehak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea
- 9:05 2C-4 **Understanding of the Phytophthora sexual reproduction system**
Makoto Ojika, Tomohiko Tomura, Li Zhang
 Graduate School of Bioagricultural Sciences, Nagoya University Furo-cho, Chikusa-ku, Nagoya 464-8601, Japan
- 9:20 2C-5 **Total Synthesis of Biologically Active Macrocyclic Natural Products**
Tao Ye
 School of Chemical Biology & Biotechnology, Peking University Shenzhen Graduate School, Shenzhen University Town, Xili, Nanshan District, Shenzhen, 518055, China
- 9:35 **Break**
- 10:00 2C-6 **Total Synthesis of (–)-Tetrodotoxin**
Tomoaki Maehara, Keisuke Motoyama, Tatsuya Toma, Satoshi Yokoshima, Tohru Fukuyama*
 Graduate School of Pharmaceutical Sciences, Nagoya University Furo-cho, Chikusa, Nagoya 464-8601, Japan
- 10:15 2C-7 **Biomimetic Synthesis and Structure Determination of Biologically Active Steroidal Natural Products**
Toshio Nishikawa, Yushi Hitara, Atsuo Nakazaki
 Graduate School of Bioagricultural Sciences, Nagoya University, Chikusa, Nagoya, 464-8601, Japan
- 10:30 2C-8 **A Selective and Potent Inhibitor of RET kinase Gatekeeper Mutants**
Hojong Yoon, Yeonui Kwak, Seunghye Choi, Hanna Cho, Nam Doo Kim, Taeho Sim
 Chemical Kinomics Research Center, Korea Institute of Science and Technology, Republic of Korea
- 10:45 2C-9 **Small molecule AI-44 inhibits NLRP3 inflammasome activation through targeting peroxiredoxin 1**
Yang Sun, Wenjie Guo, Nan Hang, Qiang Xu
 State Key Laboratory of Pharmaceutical Biotechnology, School of Life Sciences, Nanjing University, 22 Han Kou Road, Nanjing 210093, China
- 11:00 2C-10 **Development of bio-tools, peptide drugs and biomaterials inspired by the collagen triple helix**
Takaki Koide
 Department of Chemistry and Biochemistry, School of Advanced Science and Engineering, Waseda University 3-4-1 Okubo, Shinjuku-ku, Tokyo 169-8555, Japan

11:15 **Lunch**

- 12:45 2C-11 **Identification of Hsp70 Inhibitors using Chemical Biology Approach**
Kyeong Lee
 College of Pharmacy, Dongguk University,
 32 Dongguk-ro, Ilsandong-gu, Goyang, 10326, Korea
- 13:00 2C-12 **Study on NGF mimic effects of cucurbitacin B and its mechanism of action**
Lan Xiang, Jing Li, Kaiyue Sun, Lijuan Gao and Jianhua Qi
 College of Pharmaceutical Sciences, Zhejiang University
 Yuhangtang Road, 866, Hangzhou 310058, China
- 13:15 2C-13 **Native and Artificial Biosensors Targeting Mechanisms of Biological Homeostasis**
Yasuo Mori
 Kyoto University, Graduate School of Engineering
 A4-218, Kyoto University Katsura Campus, Nishikyo-ku, Kyoto
- 13:30 2C-14 **Development of Companion Imaging drug for In vivo study**
Eunha Kim
 Department of Molecular Science and Technology
 Department of Applied Chemistry and Biological Engineering, Ajou University
 206 worldcup-ro, Yeongtong-gu, Suwon 443-749, Korea
- 13:45 2C-15 **Intrinsic Förster Resonance Energy Transfer Imaging Technique for Detection of Native Protein in Live Cells**
Sang J. Chung, Ph .D.
 Department of Chemistry, Dongguk University, Seoul 100-715, Republic of Korea
- 14:00 **Break**
- 14:20 2C-16 **A new chemical genetic approach for controlling activity of membrane-bound receptor proteins in live cells**
Itaru Hamachi
 Department of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto University,
 Kyotodaigaku-Katsura, Kyoto 615-8510, JAPAN
- 14:35 2C-17 **Curcumin-based interventions for the down-regulation of PTP1B to improve insulin signaling in fructose-induced metabolic syndrome**
Lingdong Kong, Jianmei Li, Ying Pan, Xiaoqing Ding, Wei Wang, Tingting Gu
 School of Life Sciences, Nanjing University,
 163 Xianlin Avenue Nanjing, 210023, P. R. China
- 14:50 2C-18 **Glioblastoma-secreted sCD44 activates tau pathology in the brain**
 Sungsu Lim, Dohee Kim, Cheolju Lee, Yun Kyung Kim*
 Korea Institute of Science and Technology (KIST), Center for neuro-medicine,
 Seoul 136-791, South Korea
- 15:05 2C-19 **Targeting Lysine Specific Demethylase 1 for Cancer Therapy**
Takayoshi Suzuki
 Graduate School of Medical Science, Kyoto Prefectural University of Medicine,
 1-5 Shimogamohangi-Cho, Sakyo-Ku, Kyoto, 606-0823, Japan
- 15:20 2C-20 **Synthesis of Saxitoxins as Voltage-Gated Sodium Channel Inhibitors**
 Chao Wang, Mana Oki, Toru Nishikawa, Daisuke Harada, Mari Yotsu-Yamashita,
Kazuo Nagasawa
 Graduate School of Technology, Tokyo University of Agriculture and Technology,
 2-24-16 Naka-cho, Koganei, Tokyo 184-8588, Japan
- 15:35 **Break**
- 16:00 2C-21 **Proteomimetics for Modulating Protein-Protein Interactions**
 Kang Ju Lee, Yeongju Lee, Min Hyeon Shin, and Hyun-Suk Lim
 Departments of Chemistry & Advanced Material Science, Pohang University of Science and Technology
 790-784 SAN 31, HYOJA-DONG, NAM-GU, POHANG, GYUNGBUK. KOREA
- 16:15 2C-22 **Reconstitution of Biosynthetic Machinery of Fungal Natural Products**
Hideaki Oikawa, Atsushi Minami, Chengwei Liu
 Department of Chemistry, Faculty of Science, Hokkaido University
 Sapporo 060-0810, Japan
- 16:30 2C-23 **The role of the MTH1 enzyme in cancer gave rise to controversy**
 Tatsuro Kawamura, Makoto Kawatani & Hiroyuki Osada

Chemical Biology Research Group, RIKEN CSRS
Wako-shi, Saitama 351-0198, Japan

VCD exciton chirality method: novel chiroptical technique for small- medium- and large sized molecules without theoretical calculation

16:45 2C-24 Kenji Monde, Takahiro Hongen, Daisuke Manai, Masataka Shibata, Tohru Taniguchi
Frontier Research Center for Advanced Material and Life Science, Faculty of
Advanced Life Science, Graduate School of Life Science, Hokkaido University
Kita 21 Nishi 11, Sapporo 001-0021 Japan

18:30-20:30

Banquet

Saturday, 24th September 2016

Session 3B

Development of 8-halo-7deaza-dGTP analogues for hMTH1 inhibitor

8:45 3B-1 Yosuke Taniguchi, Yizhen Yin, Shigeki Sasaki
Graduate School of Pharmaceutical Sciences, Kyushu University,
3-1-1 Maidashi, Higashi-ku, Fukuoka 812-8582, Japan

Molecular Design of Repeat DNA and RNA Binding Molecules

9:00 3B-2 Kazuhiko Nakatani, Li Jinxing, Sanjukta Mukherjee, Jun Matsumoto, Kaori Asano,
Li-Ping Bai, Asako Murata, Chikara Dohno
The Institute of Scientific and Industrial Research, Osaka University

Recognition and biological regulation of nucleic acids by small molecules

9:15 3B-3 Xiang Zhou, Tian Tian, Shaoru Wang, Xiaolian Zhang,
College of Chemistry and Molecular sciences, Wuhan University, Wuhan, Hubei
430072, P.R. China

Rock and Ribose

9:30 3B-4 Akimitsu Okamoto
RCAST, The University of Tokyo
4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, Japan

Pyrene π -Stacks Helically Assembled on RNA Duplex Display Circularly Polarized Luminescence (CPL)

9:45 3B-5 Mitsunobu Nakamura, Junpei Suzuki, Fuyuki Ota, Tadao Takada, Kazuo Akagi,
Kazushige Yamana
Department of Applied Chemistry, University of Hyogo,
Himeji, Hyogo 671-2280, Japan

10:00 Break

Exceptionally selective and tunable sensing of guanine derivatives and alikes by structural complementation in a G-quadruplex

10:30 3B-6 Xin-min Li, Ke-wei Zheng, Yu-hua Hao, Zheng Tan
State Key Laboratory of Biomembrane and Membrane Biotechnology, Institute of
Zoology, Chinese Academy of Sciences,
1 Beichen West Road, Chaoyang District, Beijing 100101, P. R. China

Mechanism and Regulation of Homologous Recombination during Meiosis

10:45 3B-7 Keun Pil Kim, Minsu Lee, Soogil Hong
Department of Life Science, Chung-Ang University, Seoul 156-756, South Korea

Technology developments toward genome engineering and synthesis

11:00 3B-8 Duhee Bang
Yonsei University, Chemistry Department, Seoul 120-749, Republic of Korea

β -Catenin regulates the alternative splicing of p53 pre-mRNA by modulating SR proteins

11:15 3B-9 Sunjo Jeong
Departments of Molecular Biology and Bioconvergent Science and Technology,
Dankook University, Jukjeon, Yongin, Republic of Korea

Physics in DNA(4); [2+2] photodimerization of stilbene derivatives within the DNA duplex

11:30 3B-10 Hiroyuki Asanuma, Tetsuya Doi, Hiromu Kashida
Graduate School of Engineering, Nagoya University
Furo-cho, Chikusa-ku, Nagoya 464-8603, Japan

11:45

Next Roundtable on CPRH and Closing Remarks

Session 3C

- 8:45 3C-1 **Tetradecyl 2,3-dihydroxybenzoate improves the symptoms of type-2 diabetic mice by modulation of adiponectin and IGF-1 signaling pathways**
Yanhui Wang, Lan Xiang, Jing Li, Jianhua Qi
 College of Pharmaceutical Sciences, Zhejiang University,
 Yu Hang Tang Road 866, Hangzhou, Zhejiang Province, China
- 9:00 3C-2 **Development of Artificial Assembly Lines of Natural Products and its Variants**
Hiroki Oguri
 Tokyo University of Agriculture and Technology, Graduate School of Engineering,
 Division of Applied Chemistry, Nakacho 2-24-16, Koganei, Tokyo 184-8588
- 9:15 3C-3 **Strain Prioritization and Genome Mining for Eneidyne Natural Products**
Hui Ming Ge
 State key Laboratory of Pharmaceutical Biotechnolgy, School of Life Sciences,
 Nanjing University, Nanjing 210046, China
- 9:30 3C-4 **Reconsideration of Alzheimer's Disease by Calpain and Cathepsin**
Youngjoo Kwon, Hyun Ji Jo
 College of Pharmacy, Graduate School of Pharmaceutical Sciences,
 Ewha Womans University, Seoul, 120-750, Korea
- 9:45 3C-5 **Chemical Synthesis Uncovers Novel Regulation Mechanism in Protein Folding by Site-specific Glycosylation**
Shin-ichiro Nishimura
 Division of Drug Discovery Research, Faculty of Advanced Life Science,
 Hokkaido University, Sapporo, 001-0021, Japan,
- 10:00 **Break**
- 10:30 3C-6 **Explore the Dynamic Progression of Vascular Brain Injury via Visualizing Nitrosative Stress Signaling**
Feng Han
 College of Pharmaceutical Sciences, Zhejiang University
 866 Yu-Hang-Tang Road, Hangzhou, 310058, China
- 10:45 3C-7 **Synthetic probes derived from a marine natural product, ageladine A**
 Satoshi Otsuka, Takayuki Iwata, Kazuki Tsubokura, Almira Kurbangalieva, Daisuke Arai,
 Koichi Fukase, Katsunori Tanaka, and Yoichi Nakao
 Graduate School of Advanced Science and Engineering, Waseda University
 3-4-1 Okubo, Shinjuku-ku, Tokyo 169-8555, Japan
- 11:00 3C-8 **Molecular Mechanisms of the Extreme Radioresistance in Deinococcus radiodurans**
Yuejin Hua
 Zhejiang University, Hangzhou, China.
- 11:15 3C-9 **Ultrasensitive superoxide radical anion sensor for AI infection monitoring in mammalian cell line**
Jun-Seok Lee, Seong Cheol Hong, Dhiraj P. Murale
 Molecular Recognition Research Center, Korea Institute of Science and Technology
 (KIST), 39-1 Hawolgok-dong Seungbuk-gu, Seoul, 136-791, South Korea,
- 11:30 3C-10 **Roles of 8-Nitro-cGMP in Autophagy Regulation**
Hirokazu Arimoto
 Graduate School of Life Sciences, Tohoku University
 2-1-1 Katahira, Aoba-ku, Sendai 980-8577, Japan
- 11:45 **Next Roundtable on CPRH and Closing Remarks**