8-5　ジョイントシンポジウムへの参加
8-5-1　南京大学－北海道大学

The 9th Nanjing-Hokkaido-NIMS/MANA Joint Symposium on the Cutting Edge Chemistry

Date:　October 11 (Friday) – 13 (Sunday), 2013

Organizing Committee

Honorary Chair: Chen Hong–Yuan (Academician, Nanjing University)

Chair: Li Jian–Xin (Professor, Nanjing University)

Co–Chairs: Kato Masako (Professor, Hokkaido University)

Ju Huang–Xian (Professor, Nanjing University)

PROGRAM

Friday, Oct. 11, 2013 8:30 **Opening Remarks**

Chen Hong–Yuan, Nanjing University

Masako Kato, Hokkaido University (5 min)

Xia Xing-Hua, Nanjing University (5 min)

Group Photo

Oral Session 1 Chairperson: Ju Huang-Xian

9:00–9:20 O–1 Kato Masako
Construction of photochemical hydrogen evolution systems based on the effective utilization of 3d metals

9:21–9:40 O–2 Zhao Jian-Wei
Big data in physical chemistry: why do we perform statistical analysis

9:41–10:00 O–3 Murakoshi Kei
Plasmon-induced photoexcitation of molecules on metals

10:01–10:20 O–4 Taketsugu Tetsuya
Theoretical approach to catalytic property and reaction pathway of small gold clusters

Coffee Break

Oral Session 2 Chairperson: Kato Masako

10:41–11:00 O–5
Zhu Jun-Jie
Quantum dots for electrochemiluminescence sensing

11:01–11:20 O–6
Sakaguchi Kazuyasu
Functionalized nanowire formation via control of self-assembly using multiple modified amyloid peptides

11:21-11:40 O–7
Xiao Shou-Jun
Multiple transmission-reflection infrared spectroscopy (MTR-IR): a powerful tool for self-assembled surface chemistry on infrared transparent substrates

Lunch

Oral Session 3 Chairperson: Zhu Jun-Jie

14:00–14:20 O–8
Takeda Sadamu
Molecular inclusion dynamics and luminescence of metal-organic frameworks

14:21–14:40 O–9
Li Jian-Xin
Tryptophan hydroxylase 1 (tph-1)-targeted bone anabolic agents for osteoporosis

14:41–15:00 O–10
Sada Kazuki
Phase separation of urea-modified polymer induced by thermal stimulus and chemical reaction

15:01–15:20: O–11
Xu Dan-Ke
Development of metal-enhanced fluorescent detection methods based on silver nanoparticles

15:21-15:40 O-12
Ye Jinhua
Design of nano-photocatalytic materials for solar fuel conversion and environmental remediation

Coffee Break

Poster Session (16:00–18:00)

Saturday, Oct. 12, 2013

Oral Session 4 Chairperson: Murakoshi Kei

9:00–9:20	O–13	Xia Xing-Hua Understanding of the interfacial behavior of biomolecules for biosensors
9:21–9:40	O–14	Yamaura Kazunari A ferroelectric-like transition in a metal
9:41–10:00	O–15	Yan Hong Cobalt-induced B H and C H activation leading to facile B C coupling of carboranedithiolate and cyclopentadienyl
10:01–10:20	O–16	Kobayashi Atsushi Combination of metal-complex luminophores and linkage isomerization toward new intelligent chromic materials

Coffee Break

Oral Session 5 Chairperson: Xia Xing-Hua

10:41–11:00	O–17	Sakuda Eri Synthesis, photopysical properties and application of transition metal complexes having arylborane charge transfer units
11:01–11:20	O–18	Ju Huang-Xian Signal amplification for bioanalysis

11:21-11:40 **Closing Remarks**

Lunch

Session 6

14:00–17:00 Free discussion on projects & mutual collaborations

Sunday, Oct. 13, 2013

Session 7

9:00–11:00 Free discussion on projects & mutual collaborations

Poster Session

P-01

Hiroki Ohara, Atsushi Kobayashi, Masako Kato

Luminescence Properties of mononuclear copper(I)-halide complexes with N-heteroaromatic ligands

P-02

Jing Wu, Hai-JianFu, Jianxin Li*

Novel oleanolic acid derivatives as inhibitors of osteoclast differentiation for anti-osteoporosis treatment

P-03

Shu Shan,Wei-Wei Zhao,Jing-Juan Xu* and Hong-Yuan Chen*

Bismuthoxyiodide flake arrays/titania nanotubes arrays p-n heterojunction and its biosensing application

P-04

Jeheon Kim, Ahmed Shawky, Satoshi Yasuda and Kei Murakosh

Carbon nanotubes synthesis at room temperature by electrochemical process

P-05

Chen Zong, Jie Wu, Mengmeng Liu, Linlin Yang, Huangxian Ju*, Feng Yan

Homogeneous chemiluminescence bioassay via proximity ligation

P-06

Yin Ding

A photo-crosslinking approach towards engineering small peptide hydrogels of extraordinary mechanical stability

P-07

Ryohei Uematsu, Satoshi Maeda, and Tetsuya Taketsugu

Theoretical study of the mechanism of vinylogous mannich-type reaction activated by a water molecule

P-08

Shan-Wen Hu, Bi-Yi Xu, Jing-Juan Xu,* Hong-Yuan Chen

Liquid gradient in two-dimensional matrix for high throughput screening

P-09

Tatsuyau Sakaguchi, Jose Isagani B. Janairo, Yoshiro Chuman and Kazuyasu Sakaguchi

Structure control of silver nanoparticles by orientation control of biomineralization peptides using oligomerization peptides

P-10

Wenjing Bao, Jianyun Xu, Xinghua Xia

In-situ binding of aptamer-protein monitored label-free by attenuated total reflection surface enhanced infrared absorption spectroscopy

P-11

Junya Okamoto, Yoshiyuki Kageyama, Goro Maruta, Sadamu Takeda

Molecular dynamics in nano channel of chiral metal-organic frameworks

P-12

Taihei Yamada, Kenta Kokado, Kazuki Sada

Preparation and surface morphology variations of lipophilic polyelectrolyte brush extending in non-polar media

P-13

Lei Zhang, Jianping Lei, and Huangxian Ju

Self-assembled dna hydrogel as switchable material for aptamer-based fluorescent detection of protein

P-14

Yinlu Sun, Jianwei Zhao*

A new random walk simulation model for gas chromatographic separation

P-15

Mu Li, Tetsuya Kako, Jinhua Ye

Effect of co-catalysts on photocatalytic reduction of CO2 over NaTaO3 nanocrystals

P-16

Ruocan Qian, Lin Ding, and Huangxian Ju*

Switchable fluorescent imaging of intracellular telomerase activity using telomerase-responsive mesoporous silica nanoparticle

P-17

Guigao Liu, Tao Wang, Tetsuya Kako, Jinhua Ye

$BiO(ClBr)_{(1-x)/2}I_x$ solid solutions with controllable band gap engineering as efficient visible-light photocatalysts

P-18

Wen-jie Zhao, Qun Song, Yan-hong Wang, Xin Hu, Hong-zhen Lian*

MTF-1 regulating proteins expression and proteome profiling of A549 to extracellular Zn(II)

P-19

Yahua Yuan, Hai Luke Feng, Kazunari Yamaura

High-pressure synthesis, structure and magnetic properties of $KOsO_3$

P-20

Fuping Zhang, Li Yang, Min Zhang, Shuping Bi

Al(III) Determined by voltammetric cathodic signal of Al(III) –dopamine complex adsorbed at a hanging mercury drop electrode

P-21

Chikara Ono, Nguyen Manh Cuong, Eri Sakuda, Noboru Kitamura

Donnan electric potential and counter-ion effects on intraparticle diffusion of malachite Green in single cation exchange resin particles

P-22

Panpan Gai, Yun Chen, Jianrong Zhang, and Jun-Jie Zhu

PEDOT nanowhiskers for H_2O_2 electrochemical biosensing

P-23

Wei-Wei Zhao, Shu Shan, Jing-Juan Xu* and Hong-Yuan Chen*

In Situ Modification of Semiconductor Surface by an Enzymatic Process: A General Strategy for Photoelectrochemical Bioanalysis

P-24

Li-Qing Zheng, Xiao-Dong Yu,* Jing-Juan Xu and Hong-Yuan Chen

Rapid visual detection of quaternary ammonium surfactants using citrate-capped AgNPs based on hydrophobic effect