

Program

- 9:30 **Welcome Message:**
 Hiroshi Tsuji (President of Osaka Prefecture University)
- 9:35 **Opening Remarks: Hiroyuki Matsuzaka** (Osaka Prefecture University)
- Chair:* Akihiro Tsurusaki ((Osaka Prefecture University)
- 9:40 **Lecture 1.**
 Kuo-Yuan Hwa (National Taipei University of Technology)
 Structural Analysis of an Extremely Thermostable β -glycosidase from
 Thermococcus kodakarensis KOD1- Thermostability and Substrate
 Specificity
- 10:00 **Lecture 2.**
 Way-Zen Lee (National Taiwan Normal University)
 Chemistry on a Unique Trigonal Copper(III) Moiety
- 10:20 **Lecture 3.**
 Shin Takemoto (Osaka Prefecture University)
 Ruthenium Sulfonamide Catalysts for Direct Conversion of Benzylic C-H
 Bonds to C=C Double Bonds
- 10:40 **Lecture 4.**
 I-Ren Lee (National Taiwan Normal University)
 Single-Molecule Structural Dynamic Study on Tandem Repeats
 of Pentanucleotide DNA Sequence TGGAA that is Responsible for
 Spinocerebellar Ataxias Type 31 (SCA-31) Hereditary Disease
- 11:00 **Break**

Chair: Hsin-Ta Wang (National Taiwan Normal University)

11:10 **Lecture 5.**

Li-Chu Tsai (National Taipei University of Technology)

Silicon Nanowire Field-Effect-Transistors for the Detection of the Biologically Active Molecular Interactions

11:30 **Lecture 6.**

Sung-Fang Chen (National Taiwan Normal University)

Quantitative Analysis of Prostate Specific Antigen Isoforms Using Immunoprecipitation and Stable Isotope Labeling Mass Spectrometry

11:50 **Lecture 7.**

Akimasa Fujihara (Osaka Prefecture University)

Chiral Recognition and Chiral Transmission via Photodissociation in Interstellar Molecular Cloud Analogues

12:10 **Lunch & Poster Session**

Chair: Hui-Ling Sung (National Taiwan Normal University)

14:20 **Lecture 8.**

Takahide Fukuyama (Osaka Prefecture University)

Synthesis of Polycyclic Compounds through Rhodium-Catalyzed Cyclization of Aromatic Carboxylic Acids

14:40 **Lecture 9.**

Hsyueh-Liang Wu (National Taiwan Normal University)

Rh(I)-Catalyzed Two-Component Synthesis of Prostaglandins: Gram Scale Synthesis of Dinoprost and Tafluprost

15:00 **Lecture 10.**

Ken Kamikawa (Osaka Prefecture University)

Development of the Second-Generation P-Olefin Ligand Based on a Cp Manganese Carbonyl as a New Platform

15:20 **Break**

Chair: Hiroyuki Matsuzaka (Osaka Prefecture University)

15:30 **Lecture 11.**

Chii-Dong Chen (Academia Sinica)

Detection of Electrically Neutral and Nonpolar Molecules in Ionic Solutions Using Silicon Nanowires

15:50 **Lecture 12.**

Lekphet Woranan (National Taipei University of Technology)

Morphology Control Studies of TiO₂ Microstructures via Surfactant-Assisted Hydrothermal Process for Dye-Sensitized Solar Cell Applications

16:10 **Lecture 13.**

Shu-Mei Chang (National Taipei University of Technology)

Enhancing the Spectral Response of Mesoporous ZnO Films of Dye-Sensitized Solar Cells by Incorporating Metal-Free Organic Sensitizer and N719 dye

16:30 **Lecture 14.**

Hideki Fujiwara (Osaka Prefecture University)

Photo- and Conducting Functionalities of the D–A Type Tetrathiafulvalene Dyads Containing Fluorenone and Anthraquinone Derivatives

16:50 **Lecture 15.**

Chaochin Su (National Taipei University of Technology)

Preparation of TiO₂ Nanotube Arrays for Dye-Sensitized Solar Cells Application

17:10 **Closing Remarks:**

Shu-Mei Chang (National Taipei University of Technology)