[1st DAY]

Registration

August 31 (Mon) 14:30-17:00 Room 202

Opening Remarks

Masahiro Nishijima Showa Pharmaceutical University

August 31 (Mon) 14:50-15:00 Room 202

Plenary Lectures

PL1 Reactive Persulfide Species: Its Antioxidant Redox Signaling and Translational Biosynthesis

Chair: **Yasuo Watanabe** Showa Pharmaceutical University

August 31 (Mon) 15:00-16:00 Room 202

Takaaki Akaike Department of Environmental Health Sciences and Molecular Toxicology, Tohoku University Graduate School of Medicine, Japan

PL2 Synaptic Pathology of Mental Retardation through Protein Phosphorylation Modification

Chair: **Yasuo Watanabe** Showa Pharmaceutical University

August 31 (Mon) 16:00-17:00 Room 202

Kohji Fukunaga Department of Pharmacology Tohoku University Graduate School of Pharmaceutical Sciences, Japan

Group Photo

August 31 (Mon) 17:00-17:15 Room 202

Welcome Party

August 31 (Mon) 18:00-

[2nd DAY]

Registration

September 1 (Tue) 8:30-17:00 Room 202

Symposia

S-1 Biotransformation by enzymes

September 1 (Tue) 9:00-11:15 Room 202

Chairs: **Yasumitsu Ogra** Chiba University

Hiroshi Yamazaki Showa Pharmaceutical University

O3. Human Cytochrome P450 1B1 Revisited: Its Possible Roles during Cancer Progression

9:00~ **Young-Jin Chun** College of Pharmacy, Chung-Ang University, Korea

O4. Identification of a novel selenometabolite and elucidation of its biological and toxicological significance

9:30~ **Yasumitsu Ogra** Department of Toxicology and Environmental Health, Graduate School of Pharmaceutical Sciences, Chiba University, Japan

O5. Human Drug Metabolism by Cytochrome P450 Enzymes

10:00~ **Hiroshi Yamazaki** Laboratory of Drug Metabolism and Pharmacokinetics, Showa Pharmaceutical University, Japan

O6. Induction of integrin signaling by steroid Sulfatase metabolism in HeLa cells

10:30~ **Dong-Jin Ye** College of Pharmacy, Chung-Ang University, Korea

O7. Activation of aerobic glycolysis by steroid sulfatase in HeLa cells

10:45~ **Sangyun Shin** College of Pharmacy, Chung-Ang University, Korea

O8. Cytochrome P450-dependent xenobiotic metabolism in marmosets

11:00~ **Shotaro Uehara** Laboratory of Drug Metabolism and Pharmacokinetics, Showa Pharmaceutical University, Japan

Lunch

September 1(Tue) 11:15-12:45

S-2 Challenge to Infectious Disease

September 1(Tue) 12:45-14:30 Room 202

Chairs: **Yoshikazu Ishii** Toho University

Tomoyuki Hamamoto Showa Pharmaceutical University

O9. Proteomic Analysis of Extracellular Vesicles Derived from *Mycobacterium tuberculosis*

12:45~ **Chulhun L. Chang** Department of Laboratory Medicine, Pusan National University School of Medicine, Korea

O10. Novel Diagnostics Technologies for Infectious Diseases and Detection Methods for Antibiotic Resistant Organisms

13:15~ **Yoshikazu Ishii** Division of Infection Control and Prevention, Department of Microbiology and Infectious Diseases, Toho University School of Medicine, Japan

O11. Contribution of Pharmacists to Infection Control in Japan

13:45~ **Tomoyuki Hamamoto** Educational and Research Center for Clinical Pharmacy, Showa Pharmaceutical University, Japan

O12. Evaluation of Dual-Color Fluorescence In Situ Hybridization with Peptide Nucleic Acid Probes for Detection of *Mycobacterium tuberculosis* and Non-Tuberculous Mycobacteria in Clinical Specimens

14:00~ **Namhee Kim** Department of Laboratory Medicine, Pusan National University School of Medicine, Korea

Coffee Break

September 1 (Tue) 14:30-15:00

S-3 Coordination of Redox biology

September 1 (Tue) 15:00-17:30 Room 202

Chairs: **Motohiro Nishida** National Institutes of Natural Scienses

Yasuo Watanabe Showa Pharmaceutical University

O13. Peroxiredoxin as a Regulator and Sensor of Local Hydrogen Peroxide

15:00~ **Sue Goo Rhee** Yonsei University College of Medicine, Seoul, Korea

O14. Negative regulation of cardiac remodeling by S-polythiolation of G proteins

15:45~ **Motohiro Nishida** Division of Cardiocirculatory Signaling, Okazaki Institute for Integrative Bioscience (National Institute of Physiological Sciences), National Institutes of Natural Scienses, Japan

O15. Mutual covalent modifications of nitric-oxide and reactive sulfur species

16:15~ **Yasuo Watanabe** Laboratory of Pharmacology, Showa Pharmaceutical University, Japan

O16. Peroxiredoxin III does not make hyperoxidation-dependent decamer formation

16:45~ **Se Kyoung Lee** Yonsei University College of Medicine, Korea

O17. Circadian Oscillation of Sulfiredoxin in the Mitochondria

17:00~ **In Sup Kil** Yonsei University College of Medicine, Korea

O18. Calcium/calmodulin-dependent protein kinase IV as potential targets of reactive sulfur species

17:15~ **Tsuyoshi Takata** Laboratory of Pharmacology, Showa Pharmaceutical University, Japan

Closing Remarks

Yasuo Watanabe Showa Pharmaceutical University

September 1(Tue) 17:30-17:40 Room 202

Farewell Banquet

September 1(Tue) 18:00-20:00 Himawari