The 2nd Asia Japan-Korea-China Joint Symposium of Photodynamic Therapy

13:00 ~ 13:15  Introduction "Together Innovation of PDT in Asia"

GL-1  In hope of getting over the present stage of clinical PDT  Norio Miyoshi
Division of Tumor Pathology, National University of Fukui

13:15 ~ 14:45  Plenary Session (6 person/15min/person) ; Chair: Norio Miyoshi, Chan Sup Shim

IS-2  Photodynamic Therapy and Photodynamic Diagnosis in Korea  Woong Shick Ahn
Department of Obstetrics and Gynecology, The Catholic University of Korea

IS-3  The effect of PDT on H. influenza biofilm in vitro and vivo  Chung-Ku Rhee
Medical Laser Research Center
Department of Otolaryngology-HNS, Dankook University,

BestWell Institute, Yonsei University College of Medicine

IS-5  Nanotechnology for photodynamic detection and therapy of cancers  Ji-Yao Chen
State Key Laboratory of Surface Physics and Department of Physics, Fudan University

IS-6  Sonodynamic therapy with 5-aminolevulinic acid on a rat intracranial glioma  Jong-Ki Kim
Departments of Biomedical Engineering

IS-7  Real-time Clinical Singlet Oxygen Dosimetry for Photodynamic Therapy  Seonkyung Lee
Physical Sciences Inc

14:45 ~ 15:00  Coffee Break

15:00 ~ 16:40  Symposium: Basic-I Session (10 persons/10min/person); Chair: Takato Yoshida, Ji-Yao Chen

AS-8  Singlet Oxygen Detection in PDT  Toru Hirano
Photon Medical Research Center, Hamamatsu University School of Medicine
AS-9 PDD-PDT spectrophotometric fluorescence monitoring systems using HeLa-tumors in nude mice and author’s seborrheic keratosis  
Takato O. Yoshida  
Photon Medical Research Center, Hamamatsu University School of Medicine

AS-10 Terahertz Spectroscopy and Imaging of Biological Samples  
Hiromichi Hoshina  
RIKEN

AS-11 Enhancement of 5-Aminolevulinic acid-induced oxidative stress by gold nanoparticles  
Shinji Ito  
Faculty of Medical Sciences, University of Fukui

AS-12 Development of production method and usage of 5-aminolevurinic acid (5-ALA)  
Tohru Tanaka  
SBI ALApromo CO., LTD

AS-13 Possibility of carotenoids as a photosensitizer in photodynamic therapy  
Hiroshi Yoshii  
Faculty of Medical Sciences, University of Fukui

AS-14 Determination of the optical properties of the tissues treated by photodynamic therapy using Inverse Monte Carlo method between 350 nm and 1000 nm  
Norihiro Honda  
Medical Beam Physics Laboratory, Graduate School of Engineering, Osaka University

AS-15 Photodynamic effect of pheophorbide a on MRSA, Pseudomonas aeruginosa and viruses  
Masami Kobayashi  
Institute of Materials Science, University of Tsukuba

AS-16 Gastric Cancer Specific Porphyrin Accumulation  
Hirofumi MATSUI  
Division of Gastroenterology, Graduate School for Comprehensive Human Sciences University of TSUKUBA

AS-17 The application of infrared microscope to medical field  
Kenichi Akao  
IR & Raman Application laboratory JASCO Corporation

16:40～16:55 Coffee Break

16:55～18:05 Symposium: Basic-II Session (7 persons/10min/person); Chair: Jong-Ki Kim, Hirofumi Matsui

AS-18 Facile Synthesis and Characterization of Pyropheophorbide-a -Taxol Conjugate  
Pankaj Kumar Chaturvedi  
Cancer Research Institute, The Catholic University of Korea

AS-19 Synthesis of chlorin-based fatty acid conjugate as photosensitizer for photodynamic therapy  
Gantumur Battogtokh  
Cancer Research Institute, The Catholic University of Korea
AS-20 Enhance efficacy of photodynamic therapy in combination with selenium in TC-1 animal model
Lan Ying Wen
The Catholic University of Korea

AS-21 Synthesis and characterization of chlorin based anticancer drug conjugate
Sohail Ahmed Ansari
Cancer Research Institute, The Catholic University of Korea

AS-22 9-hydroxypheophorbide a–mediated Photodynamic Therapy derived Oxidative Stress initiates Elevation of intracellular Calcium Level and Apoptosis in AMC-HN-3 cells
Jin-Chul Ahn
Medical Laser Research Center
Dept. of Otolaryngology-Head & Neck Surgery, Dankook University

AS-23 Photochemical approaches for drug delivery and combination therapy
Woo-Dong Jang
Department of Chemistry, College of Science, Yonsei University

AS-24 Evaluation of Fluorescence Image and Excitation Light Source for PDD
Hyun Soo Lim
Department of Biomedical Engineering, College of Medicine
Chungnam National University

18:05~18:10 Prof. Herving Kostron: Introduction of 13th IPA Meeting

18:10~18:15 Commemorative Group Photograph

18:20~20:20 Welcome Party with Poster Session (30+3 Posters)

Special Poster Session by Young Researchers from Korea

PS-1  Amplified Apoptotic and Anti-proliferation Efficacy of Photodynamic Therapy with Genistein
Yoon-Joo Lee1, Jang-In Shin1,2, Peijie He1,2, Jin-Chul Ahn1,2
Medical Laser Research Center, and Department of Otolaryngology-Head and Neck Surgery, College of Medicine,
Dankook University

PS-2  Enhanced Anticancer effect of the Radachlorine-mediated Photodynamic Therapy when combined with Propolis on AMC-HN-4 cell lines
Yoon-Joo Lee, Jang-In Shin, Phil-Sang Chung, Chung-Ku Rhee, Jin-Chul Ahn
Medical Laser Research Center, Dunkook University

PS-3  Anticancer Effect of Emodin and Photodynamic Therapy combined in HN3 Cancer Cell Line
So-Young Chang, Yu-Ri Ahn, Jang-In Shin, Jin-Chul Ahn
Medical Laser Research Center, and Department of Otolaryngology-Head and Neck Surgery, College of Medicine,
Dankook University

20:30~21:30 Symposium: Clinical Session (7persons/10min/person) Chair: Sadao Kaneko
WoongShick Ahn
A Case of Inoperable Biliary Papillomatosis Treated by Photodynamic Therapy
Chan-Sup Shim
Digestive Disease Center, Konkuk University Medical Center

Photodynamic Therapy in dermatology: beyond for non-melanoma skin cancers
Sachiko Kosaka
Department of Dermatology, Nippon Medical School

Topical ALA-PDT for the treatment of Japanese Bowen’s disease
Yoichi Akita
Department of Dermatology, Aichi Medical University School of Medicine

Quantitative measurement of fluorescence and statistical analysis for malignant glioma using 5-ALA and talaporfin
Takashi Maruyama
Department of Neurosurgery, Tokyo Women’s Medical University

Outcome of photodynamic therapy using NPe6 for bronchogenic carcinomas in central airways more than 1.0 cm in diameter
Jitsuo Usuda
Department of Thoracic Surgery, Tokyo Medical University

Photodynamic Medicine in Malignant Gliomas
— focus on PpIX accumulation in malignant glioma tissues —
Sadao Kaneko
Dept. of Neurosurgery, Kashiwaba Neurosurgical Hospital