Healing Radiating from its Wing (Malachi 4:2)  
22-23 August. Seoul, Korea

9th Korean Photodynamic Association and the 4th International & Asia, Korea-Japan Photodynamic Inaugural Symposium

Topics will include
- Cell death mechanisms
- Infectious disease
- Light sources and dosimetry
- Molecular Targets
- Photosensitizers
- Oncology
- Aerodigestive PDT
- Monitoring PDT
- Ophthalmology
- Urology
- Radiation Oncology
- Neurosurgery
- Otorhinolaryngology
- Dermatology
- Gynecology
- Pathology
- Optical diagnostics

Plenary Speakers
- Prof. Chung Ku Rhee
- Prof. Norio Miyoshi
- Prof. Seung Jo Kim
- Prof. Petrishchev Nikolay
- Dr. Seon Kyound Lee

Korean Speakers

The Catholic Research Institute of Medical Science, Seoul
Healing Radiating from its Wing (Malachi 4:2)
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1st Korea-Japan Photodynamic Therapy Association Symposium

Korea-Japan Photodynamic Therapy Association Relationship

Conference President
Woon Shick Ahn
College of Medicine, The Catholic University of Korea

Organizer
- Korean Photodynamic Association
- Catholic Cancer Institute, The Catholic University of Korea

Korean Speakers

Plenary Speakers
- Prof. Chung Ku Rhee
- Prof. Seung Jo Kim
- Prof. Norio Miyoshi
- Prof. Michal A. Kaplan
- Dr. Soo Kyoung Lee
- Prof. Petrishchev Nikolay

Japanese Speakers

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Cardiology
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Vascular monitoring PDT

Dankook University Medical Laser Research Center

Seoul National University Bundang Hospital, PDT

PDT related University Hospital in Korea

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Plenary Speaker
Seon Kyung Lee

Speakers
I. Jong Ki Kim, Young Kay Shim, Hyun Soo Lim
II. Oyunbileg Galindev, Su Mi Bae, Youngdo Choi, Seregai Kim
III. Zheng Huang, Sei Jun Han, Tetsuya Muroya
IV. Sanghoon Jheon, Chan Sup Shim, Phil Sang Chung
V. You Chan Kim, Jin Wang Kim, Yong Kil Hong

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**Program**

**8th August**

08:00~08:20 Registration
08:20~08:25 Welcoming address
08:25~08:30 Congratulations address

**Session I : Basic Research I** (Photomedicine/Photostimulator & Nanomedicine)
Chairman: Kyu Won Lee, Jong Ki Kim
08:30~09:00 Multifunctional Nanoparticles for Combined Cancer Imaging and Therapy
Seng Yong Jon
09:00~09:30 Molecular Imaging and Photodynamic Therapy with Polymer Nanotechnology
Ick Chan Kwon
09:10~09:30 Activatable photostimulator agents for in vivo fluorescent imaging and photodynamic therapy of cancers: Future trend?
Yong Doo Choi
09:30~09:55 Coffee Break

**Plenary Session I** (Chairman: Chung Kue Rhee, Noritoshi Miyoshi)
09:55~10:25 Antibacterial PDT
Chung Kue Rhee
10:25~10:55 Observation of the fluorescent imaging in vivo or oral administration of 5-ALA
Introduction of Japanese 5-ALA Association on Basic and Clinical Studies
Noritoshi Miyoshi

**Plenary Session II** (Chairman: Seung Jo Kim, Geun Ho Rim)
10:55~11:25 Photodynamic Therapy of Gynecologic cancer in KOREA
Seung Jo Kim
11:25~11:55 Autofluorescience of tissue under normal and pathological conditions
Petrishchv Nikolay
11:55~13:00 Lunch (Memorial picture)

**Plenary Session III** (Chairman: Young Ki Shim)
13:00~13:30 In Vivo Photodynamic Therapy Dosimetry for Individual Cancer Treatment Optimization:
Monitor of Single Oxygen Emission and Photostimulator Fluorescence
Seon Kyung Lee

**Session II : Basic Research II** (Photodiagnosis and Dosimetry)
Chairman: Hyun Soo Lim, Wook Ju Jeon
13:00~13:55 Laser-assisted selective cell targeting
Ho Lee
13:55~14:10 Development of optical fiber laser for optical diagnosis and laser therapy
Tae Joong Eom
14:10~14:30 TD-OCT을 이용한 Antieurosis, antiageing / Anti-aging treatment
Jee Hyun Kim
14:30~14:55 Coffee Break

**Session III : Thoracic and Cardiovascular Surgery**
Chairman: Doo Yun Lee, Kinya Furukawa
14:50~15:10 Recent Advances in Photodynamic Therapy for Central Type Early Stage Lung Carcinoma in Japan
Kinya Furukawa
15:10~15:30 Thoracic PDT
Sang Hoon Jeon
15:30~15:50 Photodynamic Therapy for Pulmonary Malignancies
Shuj Ichi Pone

**Session IV : Dermatology**
Chairman: Hyung Ok Kim, Zhong Huang
15:50~16:10 Evolving role of vascular-targeted PDT in treatment of Port-Wine Stain (PWS) biotmarks
Zhong Huang
16:10~16:30 ALA-PDT in Dermatology
Hongwei Wang
16:30~16:50 Exogenous Fluorescence Image Analysis of Facial Actinic Keratosis: Feasibility Study for Clinical Application
Byung Jo Jung

**Session V : Neurosurgery**
Chairman: Yong Ki Hong, Sadaka Kaneko
16:50~17:10 Microsurgical Operation with Photodynamic Therapy for Cerebral Glomarus
Wu Yue
17:10~17:30 Photodynamic Medicine in Neurosurgery
Sadaka Kaneko

**Session VI : Gastroenterology**
Chairman: Chun Sup Shim, Hongwu Wang
17:30~17:50 Gastrointestinal PDT
Chun Sup Shim
17:50~18:10 Current status of photodynamic therapy for endoluminal malignancies in China
Hongwu Wang
18:10~ Dinner

**Program**

**8th August**

08:30~08:50 Registration (Chair: Daegwallyeong Phototherapy Hospital)
08:50~09:00 President’s Speech
09:00~09:15 Photodynamic Therapy (PDT) Mechanism
09:15~09:30 Photodynamic Agent (Development of New Photosensitizers)
09:30~09:45 Photodynamic Agent: A Survey of the Latest and Latest (PDT Laser)
09:45~09:55 Coffee Break

**Plenary Session I** (Chair: Sung Hoon Jeon)
09:55~10:25 Introduction of PDT dosimetry
Physical Sciences Inc, UEA Inc.
10:25~10:50 Coffee Break

**Session II : Photodynamic Therapy for Phototherapy**
Chairman: Tatsuya Muroya
10:50~11:05 Development of chlorin-based conjugates as photosensitizers for PDT
Gardner’s laboratory, Gaiden Ouyang
11:05~11:20 Photodynamic Therapy of Gynecologic Cancer in Korea
Seung Jo Kim
11:20~11:35 Translational Research
Petrishchv Nikolay
11:35~11:45 Coffee Break
11:45~13:00 Poster Session and Lunch

**Session III : Basic Research**
Chairman: Tatsuya Muroya
13:00~13:15 Photodynamic Therapy for Ulcerative Inflammation
Sasaki Institute, Kyoudo Hospital Tatsuya Muroya
13:15~13:30 Photodynamic Therapy for Ulcerative Inflammation
Sasaki Institute, Kyoudo Hospital Tatsuya Muroya
13:30~13:45 Vascular targeted photodynamic therapy (VTPD) for treatment of prostate cancer – Preliminary study
University of Colorado Denver Zheng Huang
13:45~13:55 Coffee Break

**Session IV : Basic Research**
Chairman: Tatsuya Muroya
14:00~14:10 Photodynamic Therapy for Ulcerative Inflammation
Sasaki Institute, Kyoudo Hospital Tatsuya Muroya
14:10~14:25 Photodynamic Therapy for Ulcerative Inflammation
Sasaki Institute, Kyoudo Hospital Tatsuya Muroya
14:25~14:40 Photodynamic Therapy for Ulcerative Inflammation
Sasaki Institute, Kyoudo Hospital Tatsuya Muroya
14:40~14:50 Coffee Break
14:50~15:05 Coffee Break

**Session V : Clinical Application**
Chairman: Tatsuya Muroya
15:05~15:20 Photodynamic Therapy for Ulcerative Inflammation
Sasaki Institute, Kyoudo Hospital Tatsuya Muroya
15:20~15:35 Photodynamic Therapy for Ulcerative Inflammation
Sasaki Institute, Kyoudo Hospital Tatsuya Muroya
15:35~15:50 Photodynamic Therapy for Ulcerative Inflammation
Sasaki Institute, Kyoudo Hospital Tatsuya Muroya
15:50~16:00 Coffee Break
16:00~16:10 Coffee Break

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**Medical Laser & Device Research Innovation Center**
**Dahang LightWave Photonics Co., Ltd.**
**Dahang Photodynamic Co., Ltd.**

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