

International Free Radical Winter School in Muikamachi 2013

Lecture Schedule

Sunday, March 10

3:00 pm – 7:00 pm General Registration

5:00 pm – 5:05 pm Opening Remarks Toshikazu Yoshikawa

5:05 pm – 6:00 pm

Lecture 1 **Gastric Necrotizing Factors are Oxidative Stresses**

University of Tsukuba

Hirofumi Matsui

Monday, March 11 (Free Radical in Medicine)

8:00 am – 8:55 am

Lecture 2 **Cancer as a ferrotoxic disease: From Animal Models to Cancer Prevention**

Nagoya University

Shinya Toyokuni

8:55 am – 9:50 am

Lecture 3 **Heme oxygenase and carbon monoxide regulates intestinal inflammation**

Kyoto Prefectural University of Medicine

Yuji Naito

9:50 am – 10:00 am Coffee Break

10:00 am – 10:55 am

Lecture 4 **Free radical detection in vivo and in human using ESR spin trap extraction method**

Kyushu University of Health and Welfare

Keizo Sato

10:55 am – 11:50 am

Lecture 5 **The histidine affects delayed wound healing induced by indomethacin using**

cultured rat epithelial cells

Doshisha University

Hiroshi Ichikawa

11:50 pm – 3:00 pm Break

3:00 pm – 3:55 pm

Lecture 6 **Reactive oxygen species make cancer cells dance**

University of Tsukuba / TimeLapse Vision Inc.

Tsutomu Tomita

3:55 pm – 4:50 pm

Lecture 7 **Tissue redox activity as a hallmark of carcinogenesis: from early to terminal stages of cancer**

National Institute of Radiological Sciences

Rumiana Bakalova

4:50 pm – 5:00 pm Coffee Break

5:00 pm – 5:55 pm

Lecture 8 **Reactive oxygen species in chronic kidney disease and renal replacement therapy**

Tsukuba University of Technology

Aki Hirayama

5:55 pm – 7:00 pm Poster Viewing

Tuesday, March 12 (Free Radical in Chemistry/Biochemistry)

8:00 am – 9:50 am

Lecture 9 **Photo-uncaging of redox active gaseous mediators: molecular design and applications**

Nagoya City University

Hidehiko Nakagawa

8:55 am – 9:50 am

Lecture 10 **Design, synthesis and in ovo evaluation of prenylated antioxidants/radioprotectors based on isoprenomics**

The University of Tokushima

Uto Yoshihiro

9:50 am – 10:00 am Coffee Break

10:00 am – 10:55 am

Lecture 11 **Physiological and pathological role of three types of PHGPx in mice**

Kitasato University

Hiroataka Imai

10:55 am – 11:50 am

Lecture 13 **Evaluations of antioxidative effects of biological samples**

Tohoku Institute of Technology

Mika Tada

11:50 pm – 3:00 pm Break

3:00 pm – 3:55 pm

Lecture 12 **Redox signaling as a target for cancer therapy**

Trakia University, Bulgaria

Zhivko Zhelev

3:55 pm – 4:50 pm

Lecture 14 **Kinetic and Mechanistic Studies on Reaction of Antioxidants with Free Radicals**

National Institute of Radiological Sciences

Ikuo Nakanishi

4:50 pm – 5:00 pm Coffee Break

5:00 pm – 5:55 pm

Lecture 15 **Imaging of tumor-specific fluctuating oxygenation and its significance in cancer biology**

Hokkaido University

Hironobu Yasui

5:55 pm – 6:50 pm

Lecture 16 **Radiation modifiers to ameliorate radiation injuries**

Nihon Pharmaceutical University

Kazunori Anzai

Wednesday, March 13 (In Vivo Redox Status)

8:00 am – 8:55 pm

Lecture 17 **Radiation and Reactive Oxygen Species**

National Institute of Radiological Sciences

Ken-ichiro Matsumoto

8:55 am – 9:50 am

Lecture 18 **Chemoprotection of gastrointestinal diseases by a nrf2 stimulator, sulforaphane**

University of Tsukuba Hospital

Akinori Yanaka

10:45 am – 10:50 am

Closing Remarks

Toshihiko Ozawa

10:50 pm

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