

A-3 Plasma Medicine

Representative Organizer

Takayuki OHTA (Meijo University)

Co-organizer

Satoshi UCHIDA (Tokyo Metropolitan University)

Oral Session March 28 (Sat.) Room 1

Chair : Masafumi Ito (Meijo University)

- 15:00 A3-I-01 **In-Package Non-Thermal Plasma: A New Paradigm in Food Science** [Invited Lecture]
^{1,2}P.J.Cullen, ²N.N.Misra, ²Dana Ziuzina, ²Daniela Boehm, ²Paula Bourke, ²Vladimir Milosavljevic, ^{2,3}Kevin Keener
1 SCHOOL OF CHEMICAL ENGINEERING, UNIVERSITY OF NEW SOUTH WALES
2 BIOPLASMA GROUP, DUBLIN INSTITUTE OF TECHNOLOGY
3 PURDUE UNIVERSITY
- 15:30 A3-I-02 **Disease Treatments with Irradiation/Inhalation to the Biological Tissues Using Nitric Oxide Generated by Atmospheric Pressure Plasma Source** [Invited Lecture]
¹Takamichi Hirata, ¹Chihiro Tsutsui, ¹Takao Kanai, ¹Akira Mori
1 DEPARTMENT OF MEDICAL ENGINEERING, TOKYO CITY UNIVERSITY
2 INSTITUTE OF LABORATORY ANIMALS, TOKYO WOMEN'S MEDICAL UNIVERSITY
- 16:00 A3-O-01 **Chemical Analysis of Antitumor Effect of Plasma-Activated-Medium**
¹Naoyuki Kurake, ¹Hiromasa Tanaka, ¹Kenji Ishikawa, ²Kae Nakamura, ²Hiriaki Kajiyama, ²Fumiaki Kikkawa, ³Takashi Kondo, ²Masaaki Mizuno, ¹Keigo Takeda, ¹Hiroki Kondo, ¹Makoto Sekine, ¹Masaru Hori
1 GRADUATE SCHOOL OF ENGINEERING, NAGOYA UNIVERSITY
2 GRADUATE SCHOOL OF MEDICINE, NAGOYA UNIVERSITY
3 TOYAMA UNIVERSITY
- 16:15 A3-O-02 **Effects of Divalent Ions in Solution on Transfection Using Atmospheric Pressure Plasma**
¹Shota Sasaki, ²Makoto Kanzaki, ¹Toshiro Kaneko
1 DEPARTMENT OF ELECTRONIC ENGINEERING, TOHOKU UNIVERSITY
2 DEPARTMENT OF BIOMEDICAL ENGINEERING, TOHOKU UNIVERSITY
- 16:30 A3-O-03 **Antimicrobial TiO₂ Deposited via Compact Planar Magnetron Deposition**
¹Michelle Marie Sendaydiego Villamayor, ^{1,2}Julius Andrew Porte Nuñez, ¹Henry Jacala Ramos
1 NATIONAL INSTITUTE OF PHYSICS, UNIVERSITY OF THE PHILIPPINES DILIMAN
2 DEPARTMENT OF PHYSICAL SCIENCES AND MATHEMATICS, COLLEGE OF ARTS AND SCIENCES, UNIVERSITY OF THE PHILIPPINES MANILA