

A-3 Plasma Medicine

Representative Organizer

Takayuki OHTA (Meijo University)

Co-organizer

Satoshi UCHIDA (Tokyo Metropolitan University)

Poster Session March 28 (Sat.) 16:45 ~ 18:00

- 16:45 A3-P-01 **Effect of Oxidative Stress on Cell Growth of Animal Cells Induced by DBD Plasma**
¹Reoto Ono, ¹Nobuya Hayashi, ²Asami Inoue, ³Kosuke Tashiro, ³Satoru Kuhara
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3 GRADUATE SCHOOL OF BIORESOURCE AND BIOENVIRONMENTAL SCIENCES, KYUSHU UNIVERSITY
- 16:45 A3-P-02 **Development of a DBD Plasma Device for Disinfection of Agricultural Products**
¹Yoichi Toyokawa, ²Yoshito Yagyu, ¹Kei Funakoshi, ³Tatsuya Misawa, ¹Akikazu Sakudo
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- 16:45 A3-P-03 **Multi-Torch Type Microwave Air Plasma Designed for Medical Sterilization**
^{1,2}Tomomasa Itarashiki, ²Nobuya Hayashi, ³Akira Yonesu
1 SARAYA CO. LTD.
2 KYUSYU UNIVERSITY
3 UNIVERSITY OF THE RYUKYUS
- 16:45 A3-P-04 **Effect of Corona Discharge on Preparation of Insulin Nanoparticles and the Characterization**
¹Lili Cui, ¹Wang Yuan ²Yuanyuan Liang, ²Xin Guo, ²Ping Huang, ²Jian Jiang
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- 16:45 A3-P-05 **Plasma-on-Chip for Controlling Bioreaction of an Individual Cell**
¹Chun-Yao Chang, ¹Jonghyeon Jeong, ²Mime Kobayashi, ³Tetsuji Shimizu, ¹Minoru Sasaki, ¹Shinya Kumagai
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- 16:45 A3-P-06 **Effects of Low-Temperature Atmospheric-Pressure Plasma on Cultivated Cells**
¹Kanako Tominami, ^{1,2}Hiroyasu Kanetaka, ²Tada-aki Kudo, ³Shota Sasaki, ³Toshiro Kaneko
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3 DEPARTMENT OF ELECTRONIC ENGINEERING, TOHOKU UNIVERSITY
- 16:45 A3-P-07 **Effects of Oxygen-Radical Treatment on Cell Growth of Mouse Fibroblast Cell**
¹Yosuke Mori, ²Tomiyasu Murata, ³Masaru Hori, ⁴Masafumi Ito
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3 INSTITUTE OF INNOVATION FOR FUTURE SOCIETY, NAGOYA UNIVERSITY
4 FACULTY OF SCIENCE & TECHNOLOGY, MEIJO UNIVERSITY
- 16:45 A3-P-08 **Plasma Interactions with Organic Materials in Liquid Through Gas/Liquid Interface via Atmospheric-Pressure Plasma**
Kosuke Takenaka, Kazufumi Kawabata, Atsushi Nakajima, Giichiro Uchida, Yuichi Setsuhara
JOINING AND WELDING RESEARCH INSTITUTE, OSAKA UNIVERSITY

- 16:45 A3-P-09 **Antibody-Integrated Graphite-Encapsulated Magnetic Beads, Produced Using Ammonia Gas Plasma Technology, for Capturing *Salmonella***
¹Akikazu Sakudo, ²Han Chou, ²Masaaki Nagatsu
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- 16:45 A3-P-10 **Antibody-Integrated Graphite-Encapsulated Magnetic Beads, Produced Using Ammonia Gas Plasma Technology, for Capturing Influenza Virus**
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- 16:45 A3-P-11 **Seed Disinfection by Low-Pressure RF Gas Plasma**
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- 16:45 A3-P-12 **Disinfection of *Helicobacter Pylori* by a Dielectric Barrier Discharge Plasma Torch**
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- 16:45 A3-P-13L **Detection of Hepatitis B Virus by Using Loop-Mediated Isothermal Amplification (LAMP) Combined with Gold-Nanoparticles DNA Probe Based on Colorimetric DNA Biosensor Assay**
¹Suphitcha Sugkarawaritsawong, ²Supatra Areekit, ¹Somchai Santiwatanakul, ²Thongchai Keawpinit, ¹Surangrat Srisurapanon, ¹Kosum Chansiri
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2 INNOVATIVE LEARNING CENTER, SRINAKHARINWIROT UNIVERSITY
- 16:45 A3-P-14L **Detection of *Listeria Monocytogenes* by Using Loop-Mediated Isothermal Amplification (LAMP) Combined with Gold-Nanoparticles DNA Probe Based on Colorimetric DNA Biosensor Assay**
¹Sirirat Wachiralurpan, ²Thayat Sriyapai, ³Supatra Areekit, ³Thongchai Keawpinit, ⁴Peechapack Somyoonsap, ¹Somchai Santiwatanakul, ¹Kosum Chansiri
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3 INNOVATIVE LEARNING CENTER, SRINAKHARINWIROT UNIVERSITY
4 FACULTY OF SCIENCE, SRINAKHARINWIROT UNIVERSITY
- 16:45 A3-P-15L **Colorimetric *Ehrlichia Canis* DNAsensor Kit**
¹Maytaya Bunroddith, ²Thongchai Keawphinit, ³Somchai Santiwatanakul, ⁴Nareerat Viseshakul, ¹Kosum Chansiri
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3 DEPARTMENT OF PATHOLOGY, FACULTY OF MEDICINE, SRINAKHARINWIROT UNIVERSITY
4 DEPARTMENT OF PATHOLOGY, FACULTY OF VETERINARY SCIENCE, CHULALONGKORN UNIVERSITY
- 16:45 A3-P-16L **Colorimetric Heartworm DNAsensor Kit**
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