

The 24th DDS Conference

Date: Sep 4, 2015 (Fri) 10:00 - 18:00

Venue: Shimizu TERRSA – Conference Room (7 F)

(223 Shimazaki-cho, Shimizu-ku, Shizuoka City, Shizuoka 424-0823, Japan)

Organizer: Shigeru Itai (University of Shizuoka)

【Program】

Opening Remarks

Shigeru Itai (University of Shizuoka)

Oral Session 1

Chairperson Kentaro Kogure (Kyoto Pharmaceutical University)

10:00 Analytical study on uptake of repeatedly injected PEGylated liposomes by splenocytes

Yuki Watanabe, Taro Shimizu, Tatsuhiro Ishida (Tokushima University)

10:15 Repeated injection of Pegasys induces the ABC phenomenon

Eri Hondo, Yu Mima, Taro Shimizu, Tatsuhiro Ishida (Tokushima University)

10:30 Development of a new freeze dried bubble for ultrasound imaging and therapy

Johan Unga¹, Daiki Omata^{1,2}, Yusuke Oda¹, Mutsumi Sugii¹, Hitoshi Uruga¹, Ryo Suzuki¹, Kazuo Maruyama¹ (¹Teikyo University, ²JSPS Research Fellow)

10:45 Cytosolic delivery of nucleic acids via faint electricity

Kentaro Kogure¹, Mohammad Mahadi Hasan¹, Takashi Ohgita¹, Susumu Hama¹, Hiromu Kashida², Hiroyuki Asanuma² (¹Kyoto Pharmaceutical University, ²Nagoya University)

Keynote Lecture 1

Chairperson Kazuo Maruyama (Teikyo University)

11:00 Development of new cancer diagnostic and therapeutic system based on fine-tuning synthetic polymers

Nobuhiro Nishiyama (Tokyo Institute of Technology)

Lunch Time

12:00 – 13:15

Postdoctoral Session

Chairperson Naoto Oku (University of Shizuoka)

13:15 Novel cancer therapy with microRNA delivered by systemic administration

Hidenori Ando^{1,2}, Tomohiro Asai¹, Naoto Oku¹ (¹University of Shizuoka, ²Tokushima University Graduate School)

13:45 Development of peptide-modified liposomes for cancer diagnosis and therapy by ultrasound

Nobuhito Hamano^{1,2}, Yoichi Negishi³, Ryo Suzuki⁴, Kazuo Maruyama⁴, Motoyoshi Nomizu³, Yukihiro Aramaki³ (¹Center for Advanced Medical Innovation and ²Faculty of Medical Sciences, Kyushu University, ³Tokyo University of Pharmacy and Life Sciences, ⁴Teikyo University)

Keynote Lecture 2 Chairperson Shigeru Itai (University of Shizuoka)

14: 15 Creation and evaluation of a novel high-loading hollow spherical granule

Yasushi Ochiai (Dainippon Sumitomo Pharma Co., Ltd.)

Coffee Break

15: 15 – 15: 45

Oral Session 2 Chairperson Hirokazu Okamoto (Meijo University)

15: 45 Development of novel celecoxib formulations with improved pharmacokinetic behavior during pain episodes

Keisuke Yakushiji, Masatoshi Mishiku, Mizuki Ogino, Hiroki Suzuki, Yoshiki Seto, Satomi Onoue
(University of Shizuoka)

16: 00 Drug permeation characterization of dry powder formulations in air-liquid interfaced cell layer

Ayumu Asai, Tomoyuki Okuda, Hirokazu Okamoto (Meijo University)

16: 15 Effective pulmonary drug delivery from DPPC/Poloxamer hybrid liposome triggered by phospholipase A₂

Yuta Ando, Tatsuaki Tagami, Tetsuya Ozeki (Nagoya City University)

16: 30 Development of bio-nanocapsule-liposome complexes (viroosomes) for the cytoplasmic siRNA delivery

Masaharu Somiya^{1,2,3}, Kotomi Yamaguchi², Shun'ichi Kuroda^{1,2} (¹Osaka University, ²Nagoya University, ³Japan Society for the Promotion of Science)

Keynote Lecture 3 Chairperson Satomi Onoue (University of Shizuoka)

**16: 45 Translational respiratory drug delivery by inhalation aerosol technology
– Antimicrobial therapy**

Hak-Kim Chan (The University of Sydney)

Closing Remarks Noriyuki Namiki (University of Shizuoka)

Mixer

18: 00 – 20:00 at Shimizu TERRSA 8 F “Blanc Ocean”