

Japanese University Network in the Bay Area

JUNBA 2010 Technology Fair

-Innovative Medicine and Technology-

DATE: Tuesday, January 12, 2010

VENUE: San Francisco Airport Marriott

TIME: Oral Presentation 1:00 pm to 6:20 pm

Reception 6:30 pm to 8:00 pm



Session A Salon A&B

*Moderator: Masato (Marty) Matsuo, VP of JUNBA, Kyushu University
Fumiaki Ikeno, Stanford University*

Medical Devices

- 1:00-1:25 **“Connecting the Brain with Computers-The Brain-machine Interface(BMI)”**
Masayuki Hirata, Osaka University
- 1:25-1:50 **“Breaking into Medical Imaging Market with Next Generation Ultrasonic Imaging”**
David Specht, MAUI Imaging
- 1:50-2:15 **“Medical Ultrasonic Image Applied to Design for Medical Instruments and Welfare Equipments”**
Masahiro Tatsumi, Niigata University
- 2:15-2:35 **COFFEE BREAK**
- 2:35-3:00 **“A New Less Invasive Therapy for Hydrocephalus Using HGF”**
Tsuyoshi Tada, Shinshu University
- 3:00-3:25 **“MRI-guided Surgical Robotic System”**
Makoto Hashizume, Kyushu University
- 3:25-3:50 **“Future of Robotic Surgery”**
Frank Grillo, Intuitive Surgical Co.
- 3:50-4:15 **“Advanced Medical Tools based on Micromachine or MEMS Technology”**
Satoshi Konishi, Ritsumeikan University

- 4:15-4:35 **COFFEE BREAK**
- 4:35-5:00 **“Development of Micro Forceps for Minimally Invasive Surgery”**
Makoto Nokata, Ritsumeikan University
- 5:00-5:25 **“Satellite Nanoscope and Cellular BASIC* for Quantitative Biomedicine”**
Luke P. Lee, University of California, Berkeley
- 5:25-5:50 **“Innovative Point of Care Diagnostics System based on Magnet Tags and Self Assembly”**
Adarsh Sandhu, Tokyo Institute of Technology
- 5:50-6:15 **“Abches: a Simple Respiratory Monitoring Device with Two Contacts on the Patient’s Chest and Abdomen”**
Masayuki Araya, University of Yamanashi
- 6:30-8:00 **NETWORKING RECEPTION -Irvine-**

Session B Salon C&D

*Moderator: Hiroko (Grace) Yamasaki, Director of JUNBA, Yokohama City University
Akiko Futamura, President & CEO, InfinitBio*

Infectious Disease Technology (Prevention, Diagnosis, and Treatment)

- 1:00-1:25 **“Near-Patient Protein Biomarker Detection through Microfluidic Homogeneous Electrophoretic Immunoassays”**
Amy Herr, University of California, Berkeley
- 1:25-1:50 **“Inactivation of Noroviruses with Persimon Tannin and Development of an Antiviral”**
Tadashi Shimamoto, Hiroshima University
- 1:50-2:15 **“Screening of Host Proteins as Therapeutic Target for Hepatitis C”**
Kohji Moriishi, Osaka University
- 2:15-2:35 **COFFEE BREAK**
- 2:35-3:00 **“Poly(γ -glutamic acid) Nanoparticles as a Novel vaccine Adjuvant”**
Masanori Baba, Kagoshima University

3:00-3:25 **“OBORT (Oxaborole tRNA Trapping): Novel Approach for Developing Anti-infective Therapeutics”**
Stephen J. Baker, Anacor Pharmaceutical

6:30-8:00 **NETWORKING RECEPTION -Irvine-**

Session C Salon G&H

Moderator: Hideto Kaneshima, CEO, Astrobiopharma, Inc. (Tokyo)
Jun Seita, Stanford University

Regenerative Medicine

1:00-1:25 **“Bio Rapid Prototyping Project; Scaffold Free Cell Assembling Technology for Autologous Organ Transplantation”**
Koichi Nakayama, Saga University

1:25-1:50 **“A three-dimensional Cell Processing Technology to Regenerate a Fully Functioning Bioengineered Organ for Future Organ Replacement Regenerative Therapy”**
Kazuhisa Nakao, Tokyo University Of Science

1:50-2:15 **“Cardiovascular Regenerative Therapy”**
Joseph Wu, Stanford University

2:15-2:35 **COFFEE BREAK**

2:35-3:00 **“Strategies to Resolve the Organ Shortage: Xenotransplantation Using Transgenic/Gene Knockout Technology”**
Kazuhiko Yamada, Kagoshima University

3:00-3:25 **“Intestinal Stem Cells and Their Niche”**
Akifumi Ootani, Stanford University

3:25-3:50 **“Cell Sheet Technology for Severe Heart Failure”**
Shigeru Miyagawa, Osaka University

3:50-4:15 **“Regeneration of Injured Nerves by Neutral Stem Cell Transplantation”**
Hiroaki Itahara, Nara Institute of Science & Technology

4:15-4:35 **COFFEE BREAK**

4:35-5:00 **“Survival and Maturation of Spinally Grafted Human Embryonic Stem**

Cells-derived Neural Precursors in Immunosuppressed Rat and Minipig.”

Martin Marsala, University of California, San Diego

5:00-5:25

“Novel treatment strategies based on the mechanisms of neural network formation”

Yoshio Goshima, Vice President, Yokohama City University

5:25-5:50

“Nanomaterials and Stem Cells for Tissue Regeneration”

Song Li, University of California, Berkeley

5:50-6:15

“Neuroprotection Europrotection Strategies Using Human Central Nervous System-Stem Cell Transplantation”

Nobuko Uchida, VP, StemCells, Inc.

6:30-8:00

NETWORKING RECEPTION -Irvine-