

THE 15TH US-JAPAN SYMPOSIUM ON DRUG DELIVERY SYSTEMS
DECEMBER 14-18, 2019
TENTATIVE AGENDA

SATURDAY, DECEMBER 14, 2019

2:30 PM-5:30 PM **Ocean Lanai Terrace** **Registration**

5:45 PM-6:55 PM **Aloha Pavilion** **Welcome Reception**

EVENING PLENARY SESSION

7:00 PM-7:05 PM- Introduction: **Robert Langer and Yasuhiko Tabata**

Discussion Leaders: **Molly Stevens and Frank Szoka**

7:05 PM-7:40 PM – Katsuto Tamai
Osaka University Graduate School of Medicine
Development of stem cell regeneration-inducing medicine

7:40 PM-8:15 PM– Mark E. Davis
California Institute of Technology
Designing nanoparticles to cross the blood-brain barrier

8:15 PM-8:30 PM - Refreshment Break

8:30 PM-9:05 PM – Hidetoshi Masumoto
Kyoto University
Drug delivery system-based cardiovascular regenerative medicine: From bench to bedside

9:05 PM-9:40 PM– Marsha Moses
Boston Children’s Hospital/Harvard Medical School
Name of presentation TBD

9:40 PM-10:15 PM— Tony Voiers and William Daunch
Advanced Chemotherapy Technologies
Name of presentation TBD

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SUNDAY, DECEMBER 15, 2019

MORNING PLENARY SESSION

Discussion Leaders: **Ana Jaklenec and Steve Kern**

8:00 AM-8:35 AM – Dan Hartman

Bill and Melinda Gates Foundation

Presentation Title TBD

8:35 AM-9:10 AM – Philip Welkhoff

Bill and Melinda Gates Foundation

Pathway to eradication: An innovation agenda for achieving a malaria-free world

9:10-9:45 AM—Kei Katsuno

Global Health Innovative Technology Fund

Introduction to GHIT Fund

9:45 AM-10:15 AM – Refreshment Break (30 mins)

10:15AM-10:50 AM-- Mark Prausnitz

Georgia Institute of Technology

Microneedle technologies for drug delivery

10:50 AM-11:25AM– Samir Mitragotri

Harvard University

Ionic liquids for drug delivery

11:25 AM-12:00 PM– Giovanni Traverso

Massachusetts Institute of Technology

Gastrointestinal device development in a few movements

AFTERNOON UNSCHEDULED

EVENING PLENARY SESSION

Discussion Leaders: **Sung Wan Kim and Rami Suzuki**

7:00 PM-7:35 PM— Chae-Ok Yun

Hanyang University

Reprogrammed oncolytic adenovirus as cancer immunotherapy

7:35 PM-8:10 PM – Takahiro Ochiya

Tokyo Medical University

Exosomal delivery of pathogenic components in cancer metastasis

8:10 PM-8: 35 PM- Refreshment Break

8:35 PM-9:10 PM — David Lucchino

Frequency Therapeutics, Inc.

Name of presentation TBD:

9:10 PM-9:45 PM — Chad Mirkin

Northwestern University

Name of presentation TBD

9:45 PM-10:20 PM – Masaya Nakamura

Keio University School of Medicine

Regenerative medicine for spinal cord injury

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MONDAY, DECEMBER 16, 2019

MORNING PLENARY SESSION

Discussion Leader: **Yosi Kost and Howie Rosen**

8:00 AM-8:35 AM– Shinsuke Sando

University of Tokyo

Artificial growth factors for controlling cellular functions and fates

8:35 AM-9:10 AM– Joachim Kohn

Rutgers University

Delivery of epigenetic modifiers as a promising alternative to the use of cytokines and growth factors in regenerative medicine

9:10 AM-9:45 AM – Tatiana Novobrantseva

Verseau Pharmaceuticals

Name of presentation TBD

9:45 AM-10:15 AM – Refreshment Break

10:15 AM-10:50 AM– Masaru Ishii

Osaka University Graduate School of Medicine

Intravital imaging technology dissecting cellular dynamics in inflammation and cancers in vivo

10:50 AM-11:25 AM– Joseph DeSimone

Carbon, Inc.

Digital light synthesis to drive additive manufacturing: Convergence of hardware, software and molecular science

11:25 AM-12:00 PM– Hideyoshi Harashima

Hokkaido University

Multifunctional envelope-type nano device for gene/nucleic acids delivery: Concept and application to nanomedicine

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Discussion Leader: **Nicholas Peppas**

EVENING POSTER SESSION 1

7:30 PM – 10:00 PM **Oral Presentation of Posters - Selected from Poster Session #1**

Refreshment Break: 8:30 PM

Session ends at approximately 10:00 PM

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TUESDAY, DECEMBER 17, 2019

MORNING PLENARY SESSION

Discussion Leader: **Bruce Zetter and Shelley Weinstock**

8:00 AM-8:35 AM – Rogerio Vivaldi

Sigilon Therapeutics

Name of presentation TBD

8:35 AM-9:10 AM –David Giljohann

Excicure, Inc.

Clinical progress with spherical nucleic acids

9:10 AM-9:45 AM– Rosemary Kanasty

Lyndra Therapeutics

Name of presentation TBD

9:45 AM-10:15 AM - Refreshment Break

10:15 AM-10:50AM– Henry Brem

Johns Hopkins University

Brain tumor therapy

10:50 AM-11:25 AM – Ian Hunter and Patrick Anquetil

Portal Instruments

Connected, needle-free drug delivery

11:25 AM-12:00 PM – Ryo Kojima

DDS, Pharmaceutical Research and Technology Labs., Pharmaceutical Technology, Astellas Pharma Inc.

Name of presentation TBD

AFTERNOON UNSCHEDULED

EVENING PLENARY SESSION

Discussion Leader: **Hideyoshi Harashima**

7:00 PM-7:35 PM--- Yosuke Hiraoka

Biomaterial group, R&D Center, Nitta Gelatin Inc.

Unlocked potential of gelatin

7:35 PM-8:10 PM – Upma Sharma

Arsenal Medical

Name of presentation TBD

8:10 PM-8:35 PM – Refreshment Break

8:35 PM-9:10 PM – Sabrina M. Johnson

Daré Bioscience, Inc.

Personalizing drug delivery for women: A vaginal ring to rule them all

9:10 PM-9:45 PM – Thomas von Erlach

Vivtex

Presentation TBD

9:45 PM-10:20 PM—James Hedrick

Azul 3D

Unlocking high area rapid 3D printing for manufacturing

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WEDNESDAY, DECEMBER 18, 2019

MORNING PLENARY SESSION

Discussion Leader: **Rodney Pearlman and Susan Langer**

8:00 AM-8:35 AM — Lloyd Johnston

Selecta Biosciences

Tolerogenic nanoparticles to enable repeat dosing of gene therapy

8:35 AM-9:10 AM – David Pernock and Adrian Hepner

Eagle Pharmaceuticals

Eagle Pharmaceuticals' role in scientific advancements

9:10 AM-9:45 AM – Natalie Artzi

MIT/ HMS/ BWH

Combination cancer (immuno)therapy

9:45 AM-10:15 AM – Refreshment Break

10:15 AM-10:50 AM – Yasuhiro Matsumura

EPOC National Cancer Center

Cancer stromal targeting (CAST) therapy

10:50 AM-11:25 AM – Hiroshi Kikuchi

Shonan Research Laboratories, LTT Bio-Pharma

Species difference problem on DDS formulation design and the established commission for the solution

11:25 AM-12:00 PM— John Patton

Dance Pharmaceuticals, Inc.

Name of presentation TBD

AFTERNOON UNSCHEDULED

EVENING POSTER SESSION 2

Discussion Leader: **Hiroshi Kikuchi**

7:30 PM **Oral Presentation of Posters - Selected from Poster Session #2**

Refreshment Break: 8:30 PM

Session ends at approximately 10:00 PM

THANK YOU FOR PARTICIPATING -
WE HOPE TO SEE YOU AGAIN AT
THE 16th SYMPOSIUM IN 2021