



DRUG DELIVERY DESIGN & PARTNERING

May 21 - 22, 2018

Mark Hopkins InterContinental Hotel, San Francisco, CA

The Inaugural West Coast Event
Focused On:

Trends and current unmet needs in
drug delivery in both formulation
and device development and design

Insight from physicians, patients,
scientists, investors and industry
leaders

Key principles of drug delivery
design for unmet needs and lessons
learned from past designs

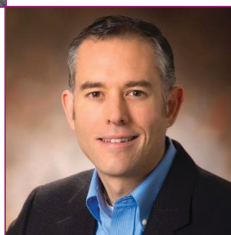
Networking and partnering
opportunities



Conference Chair

Ann Daugherty, PhD

Senior Manager, Drug Delivery
Genentech



James Cunningham, PhD

Executive Director, Drug Delivery
Allergan



John Patton, PhD

CEO and Chairman
Dance Biopharma



Sudeshna Dutta Ray

*Senior Engineer, Advanced Device
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Julia Ljubimova, MD, PhD

*Director, Nanomedicine Research Center,
Department of Neurosurgery*
Cedars-Sinai



Brent Ahrens

General Partner
Canaan Partners

Organized by the
PODD team at the
Conference Forum

THE **conference** FORUM 

The **PODD team** brings to the West Coast a **Drug Delivery Design & Partnering (DDDP) Meeting**. This inaugural program focuses on meeting the design needs of drug delivery systems from the perspectives of pharma, physicians, patients, investors, as well as KOLs in personalized medicine and digital.

There is an emphasis on how to reduce risk and advance drug delivery technologies for current and future needs. More specifically, we aim to cover the following:

- ♦ Where is the sector going?
- ♦ What are the key principles to reduce failures?
- ♦ What are the unknown, unknowns?
- ♦ How do we design for success and what are the guiding principles?

The conference will dedicate the afternoon of day one for a **wide variety of drug delivery presentations**. Partnering meetings and networking will be available throughout the meeting.

To summarize what to expect at this meeting:

- ♦ Engaging discussions focused on addressing trends and current unmet needs in drug delivery, relative to both formulation and device development and design
- ♦ Opinions and insight from physicians, patients, scientists, investors and industry leaders involved with the development of next generation delivery systems
- ♦ Key principles of drug delivery design for unmet needs and lessons learned from past designs
- ♦ Networking opportunities with key decision makers in drug delivery, pharmaceutical, biotechnology and medical device industries
- ♦ Full afternoon of drug delivery technology presentations
- ♦ Exhibit area showcasing drug delivery innovators and service providers

The ultimate goal for **DDDP** is to foster a meeting place that inspires innovation and advancement of drug development and delivery as well as providing support for the leaders behind the movement.

We would like to acknowledge and thank the advisors, speaking faculty and sponsors for making DDDP possible and for creating a unique community within life sciences.

Sincerely,



Michelle McDermott
Conference Producer



Kate Woda
Conference Producer



Valerie Bowling
Executive Director



Meredith Sands
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SPEAKING FACULTY**Brent Ahrens**

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Patrick Anquetil, PhD, MBA

CEO
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Uri Baruch

Head of Drug Delivery
Cambridge Design Partnership

Sherri Biondi, PhD

Senior Director, Device Development
Medimmune

Michael Blum, MD

Associate Vice Chancellor
UCSF School of Medicine

Mark Blumenkranz, MD

HJ Smead Professor Emeritus in the Department of
Ophthalmology
Stanford University

Krishnan Chakravarthy, MD, PhD

Assistant Clinical Professor
University of California, San Diego

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Executive Director, Drug Delivery
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Sudeshna Dutta Ray

Senior Engineer, Advanced Device Technology and Innovation
Amgen

Andrew Farquharson

Managing Director
InCube Ventures LP

Cynthia Goldstein

Diabetes Patient & Communications Specialist

Adam Hayden

Patient, Graduate Trained Philosopher & Blogger

John D Higgins, PhD

Senior Director, Discovery Pharmaceutical Sciences
Merck & Co

Gabriel Iobbi, PhD

Device Portfolio Group Head
Novartis Pharma AG

Bruce Kovacs, MD

President & CEO / Retired Physician and Former Director of the
Molecular & Cytogenetics Laboratory
Afecta Pharmaceuticals / University of Southern California

Julia Ljubimova, MD, PhD

Director, Nanomedicine Research Center, Department of
Neurosurgery
Cedars-Sinai

Sheldon Moberg

Head of Advanced Device Technologies & Innovation
Amgen

John Patton, PhD

CEO and Chairman
Dance Biopharma

Jonathan Usuka, PhD, MBA

Senior Analytics Expert
McKinsey & Company

Garrett Vygantas, MD, MBA

Managing Director
OSF Healthcare Ventures

DAY ONE - MONDAY, MAY 21, 2018

8:30 am

Registration, Coffee & Tea

9:00 am

Chair's Opening Remarks & Key Trends In Drug Delivery

Ann Daugherty, PhD

Senior Manager, Drug Delivery, Genentech

9:45 am

Physician Perspectives on Current and Future Drug Delivery Needs

- ✦ Drug delivery needs from a physicians point of view
- ✦ What physicians would like to see for their patients
- ✦ Thoughts on making drug administration easier for patients

Areas of focus include:

- ✦ Oncology
- ✦ Ophthalmology
- ✦ CNS
- ✦ Diabetes/Endocrinology
- ✦ Dermatology

Moderator:

Ann Daugherty, PhD

Senior Manager, Drug Delivery, Genentech

Panelists:

Mark Blumenkranz, MD

HJ Smead Professor Emeritus in the Department of Ophthalmology, Stanford University

Krishnan Chakravarthy, MD, PhD

Assistant Clinical Professor, University of California, San Diego

Bruce Kovacs, MD

President & CEO / Retired Physician and Former Director of the Molecular & Cytogenetics Laboratory, Afecta Pharmaceuticals /University of Southern California

Julia Ljubimova, MD, PhD

Director, Nanomedicine Research Center, Department of Neurosurgery, Cedars-Sinai

10:30 am

Networking Break & Partnering Meetings

11:10 am

Patient Perspectives on Drug Delivery Needs Present and Future

This panel provides a patient perspective on what they want from drug delivery technologies. Patients will represent the four key therapeutic areas as above.

Panelists:

Cynthia Goldstein

Diabetes Patient & Communications Specialist

Adam Hayden

Patient, Graduate Trained Philosopher & Blogger

11:50 am

Pharma Spotlights on Drug Delivery Needs

In this session, pharma companies discuss their current needs, partnering philosophy and scouting interests, as related to drug delivery.

James Cunningham, PhD

Executive Director, Drug Delivery, Allergan

Ann Daugherty, PhD

Senior Manager, Drug Delivery, Genentech

Sudeshna Dutta Ray

Senior Engineer, Advanced Device Technology and Innovation, Amgen

John D Higgins, PhD

Senior Director, Discovery Pharmaceutical Sciences, Merck & Co

1:05 pm

Lunch & Partnering Meetings

2:20 pm

Drug Delivery Technology Presentations in Two Tracks

This session features the opportunity to assess a wide variety of drug delivery technologies. These are 10 minute "quick fire" presentations, with Q&A following each presentation.

Throughout the program there are reserved blocks of time for one-on-one partnering meetings to learn more about the drug delivery technologies.

Track 1: Formulation Technologies

Chair:

James Cunningham, PhD

Executive Director, Drug Delivery, Allergan

Track 2: Drug Delivery Device Technologies

Chair:

Sheldon Moberg

Head of Advanced Device Technologies & Innovation, Amgen

4:45 pm

End of Day One & Annual Networking Reception

DAY TWO - TUESDAY, MAY 22, 2018**8:30 am**

Registration, Coffee & Tea

9:00 am

Chair's Opening Remarks

Ann Daugherty, PhD

Senior Manager, Drug Delivery, Genentech

9:15 am**The Perspective from Personalized Medicine KOLs on the Latest Developments and the Future Needs of Drug Delivery**

This session will provide an update on precision/personalized medicine and the impact on drug delivery.

Michael Blum, MD

Associate Vice Chancellor, UCSF School of Medicine

9:55 am**How to Innovate in the Drug Delivery Space**

- ♦ What does the innovation process look like
- ♦ The barrier to the innovation process and how to overcome them
- ♦ Summary of disease space
- ♦ Good design and engineering practices
- ♦ How to salvage something that goes wrong?
- ♦ How do you find the unknown unknowns?
- ♦ Does it feel right?

Uri Baruch

Head of Drug Delivery, Cambridge Design Partnership

10:20 am

Networking Break & Partnering Meetings

11:00 am**Digital R&D: What Drug Delivery Needs to Be Aware of and its Role on the Future of Design**

This session will provide an overview on the evolving digital landscape in drug development, what drug delivery needs to be aware of and opportunities.

Jonathan Usuka, PhD, MBA

Senior Analytics Expert, McKinsey & Company

11:30 am**Perspectives on Smart Drug Delivery Devices****Gabriel Iobbi, PhD**

Device Portfolio Group Head, Novartis Pharma AG

12:00 pm**Device Design: Current Thinking on Integrating Human Factors and Digital Technologies to Increase Patient Adherence and Satisfaction****Sherri Biondi, PhD**

Director, Device Development, Medimmune

12:30 pm

Lunch & Partnering Meetings

1:45 pm**Investor Perspectives on Drug Delivery Needs and Investments**

- ♦ How do analysts/investors look at drug delivery?
- ♦ What do they want to see?
- ♦ What are the trends?

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General Partner, Canaan Partners

Andrew Farquharson

Managing Director, InCube Ventures LP

Garrett Vygantas, MD, MBA

Managing Director, OSF Healthcare Ventures

2:30 pm**Lessons Learned from Past Designs**

- ♦ Basic lessons to learn from
- ♦ What should we be aware of for the future
- ♦ How to make it better

John Patton, PhD

Chief Executive Officer and Chairman, Dance Biopharma

3:00 pm

Conference Concludes