The Center for Medicine in the Public Interest Presents

# A Summit 3D Printed Exploring: **Pharmaceuticals**



Featured Keynote Speaker Janet Woodcock, M.D. Director, Center for Drug Evaluation and Review FOOD AND DRUG ADMINISTRATION

# A SUMMIT OF THE MOST **IMPORTANT LEADERS IN 3D** PHARMACEUTICAL PRINTING AND MANUFACTURING, EXAMINING:

- >> The Current State of 3D Printing
- » On-the-Horizon Developments and Advancements
- >> The Promise of Addressing Unmet Patient Needs
- >> New Medical Solutions via 3D Printing
- » A Platform for Precision Medicine
- The Nexus Between Government Regulation and the Possibilities in Continued Innovation

# **FEATURED SPEAKERS**



Tim Rothwell Chairman/President EMISPHERE TECHNOLOGIES INC., SPERACURA LLC, SDHB PHEOPARA COALITION



Dan Blackwood, Research Fellow, Product Design



Adam Procopio Senior Principal Scientist



Dr. Frank L. Douglas Chief Executive Officer **AUSTEN BIOINNOVATION INSTITUTE IN AKRON** 



Karen Sheffler Speech-Language Pathologist, Blogger, **SWALLOWSTUDY.COM** 



Dr. Robert Goldberg Vice President CENTER FOR MEDICINE IN THE **PUBLIC INTEREST** 



Dr. Tim Tracy Chief Executive Officer **APRECIA PHARMACEUTICALS** 



John Hornick Author 3D PRINTING WILL ROCK THE WORLD



**Bob Tufts** Visiting Clinical Assistant Professor YESHIVA UNIVERSITY



Dr. Xiaoling Li Professor, Associate Dean of Graduate Education and Research, Thomas J. Long School of Pharmacy and Health Sciences **UNIVERSITY OF THE PACIFIC** 



Dr.Jae Yoo Chief Technology Officer APRECIA PHARMACEUTICALS



Peter Pitts President and Co-Founder CENTER FOR MEDICINE IN THE **PUBLIC INTEREST** 



Michael Smith Retired VP and Director/Patient Advocate **G-PACT (GASTROPARESIS PATIENT ASSOCIATION FOR CURES AND** TREATMENTS)





The Center for Medicine in the Public Interest Presents

# A Summit Summit Exploring: 3D Printed Pharmaceuticals

Dear Colleague,

Less than three years ago, the FDA approved the first 3D Printed pharmaceutical. At the time, CMPI, and other observers of innovation and change in pharmaceuticals, heralded this as the dawn of a technological transformation that would produce wide-ranging positive changes across all segments of the pharmaceutical industry.

CMPI believes now is the right time to pursue an in-depth conversation about what has been learned since the FDA's groundbreaking approval and what changes we should expect to see in the immediate future. As FDA Commissioner Scott Gottlieb has noted, it is important to stay ahead of the technology curve to prepare "for a significant wave of new technologies that are nearly certain to transform medical practice."

This summit brings together leaders in 21st century medical manufacturing from private industry, academic and government agencies with a wide range of end users including other developers of medical products, patient organizations and groups dedicated to eradicating disease across the globe.

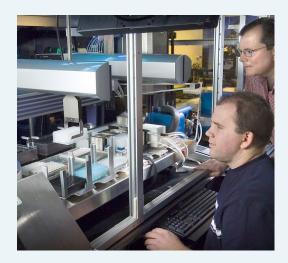
This promises to be the most important gathering to date of thought leaders in 3D pharma printing. I hope to see you there.

Best regards,

Kobert Goldberg Co-Founder and Vice President of the Center for Medicine in the Public Interest

#### Who should attend

- C-Level Executives
- Business Development
- Corporate Development
- Research & Development
- Product Development
- Business Press & Media
- Venture Capitalists





#### **VENUE — THE WESTMINSTER HOTEL**

550 W. Mt. Pleasant Avenue Livingston, New Jersey 07039

Group Name: CMPI Group Number: 489015 Reservation Line: 973.533.0600

Reservation Email: reservationsgroup@westminsterhotel.net

Designed in a classic contemporary style, the Westminster Hotel successfully combines luxurious lodging and a refined mix of amenities to meet your needs. The Westminster Hotel caters to the unique tastes of today's traveler.





# Thursday | November 8, 2018 | 8:00 AM - 3:00 PM

#### Summit Agenda

Welcome and Introduction. Dr. Robert Goldberg (8:30 - 8:45)

#### Session One (8:45 a.m. - 9:45 a.m.)

#### 3D Pharmaceutical Printing: Current State and Promise of Tomorrow

Moderator: Peter Pitts, President, CMPI

Speaker: Tim Tracy, PhD, CEO, Aprecia Pharmaceuticals - Deployment of Existing Technology and New Possibilities

in Drug Development

Speaker: Adam Procopio, Senior Principal Scientist, Merck & Co. Adaptive and precision medicine using 3D

printing

#### Session Two (9:50 a.m. - 11:20 a.m.)

#### 3D Printing of Pharmaceuticals and Biologics to Address Unmet Medical Needs

Moderator: Bob Tufts, Visiting Clinical Assistant Professor, Yeshiva University Speaker: Michael Smith, Retired VP and Director/Patient Advocate, G-PACT

Speaker: Frank Douglas, CEO, Austen BioInnovation Institute in Akron

Speaker: Karen Sheffler, Board Certified Specialist in Swallowing and Swallowing Disorders (Dysphagia)

### Luncheon Session (11:30 a.m. - 12:45 p.m.)

#### Partnering for New Technologies in Medical Advancement

Introduction: Dr. Robert Goldberg

Speaker: John Hornick, Finnegan, Henderson, Farabow, Garrett & Dunner, LLP and author, 3D Printing Will

Rock The World

Break (12:45 p.m. - 1:00 p.m.)

#### Session Three (1:00 p.m.- 1:55 p.m.)

#### Coming Era in 3D Printed Pharmaceuticals - The Marriage of Innovation, Regulation and Oversight

Introduction - Tim Rothwell, Retired Chairman and CEO Emeritus, Sanofi-Aventis and Chairman, Emisphere

Keynote Address: Janet Woodcock, M.D. Director, CDER, Food and Drug Administration

#### Session Four (1:55 p.m. - 2:50 p.m.)

#### New Medical Solutions Via 3D Printed Pharmaceuticals: Challenges and Opportunities

Moderator: Frank Douglas, CEO, Austen BioInnovation Institute in Akron Speaker: Dr. Jae Yoo, Chief Technology Officer, Aprecia Pharmaceuticals Speaker: Dan Blackwood, Research Fellow, Product Design, Pfizer Inc.

Speaker: Dr. Xiaoling Li, Professor, Associate Dean of Graduate Education and Research, Thomas J. Long School

of Pharmacy and Health Sciences, University of the Pacific

Concluding Discussion: Dr. Robert Goldberg and Dr. Tim Tracy (2:50 p.m. - 3:00 p.m.)



