

The Center for Medicine in the Public Interest Presents

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

FEATURED SPEAKERS



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



**Tim Rothwell**

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



**Dan Blackwood,**  
Research Fellow, Product Design  
**PFIZER**



**Adam Procopio**  
Senior Principal Scientist  
**MERCK**



**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)**

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**CMPI**  
Center for Medicine  
in the Public Interest

The Center for Medicine in the Public Interest Presents

A 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,

*Dr. Robert 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  
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Group Name: CMPI  
Group Number: 489015  
Reservation Line: 973.533.0600  
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Learn more at [www.cmpi.org/summit-on-3d-printing](http://www.cmpi.org/summit-on-3d-printing)

## 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, Aprelia 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, Aprelia 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.)

