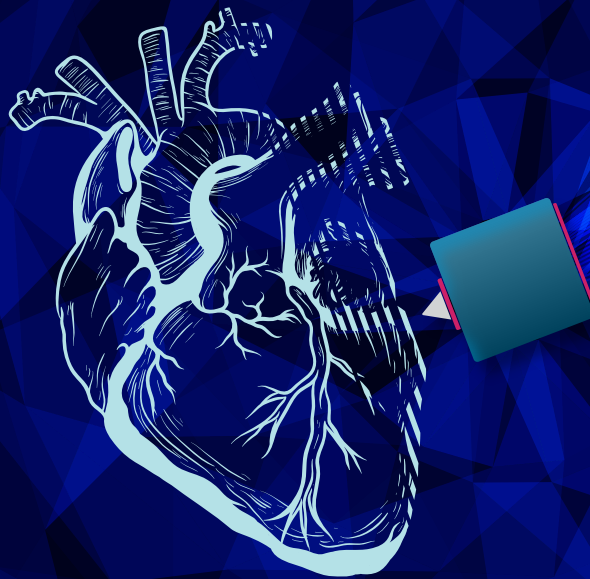


3DHEALS 2018

World's Biggest Conference on Healthcare 3D Printing




3DHEALS

2018 ANNUAL SUMMIT

April 20-21, 2018
San Francisco, CA 94103

BESPOKE EVENTS
845 Market St. STE 450

www.3dheals2018.com



While 3D printing is a 30-year-old technology, its consumer applications are believed to be still at infancy stage. Expiring patents, lower cost printers and materials, improved healthcare specific software allow for more players to get involve and identify new opportunities in healthcare vertical. Although still a small percentage of total manufacture market share, the tremendous potential of healthcare 3D printing and bioprinting is undeniable.

3DHEALS 2018

Our first event in 2017 at UCSF was a huge success, and we welcome everyone who is actively engaged or simply interested in the application of 3D printing and bioprinting technology in healthcare sector to join this vibrant new global community.

This includes but not limited to healthcare professionals, entrepreneurs, developers, investors, designers, and regulators.

SCOPE & OBJECTIVES

- EDUCATE THE COMMUNITY about the innovations and applications of healthcare 3D printing.
- FACILITATE global multidisciplinary collaborative innovations in healthcare 3D printing.
- HELP with quality control, standardization, and scaling of healthcare 3D printing
- GET CONNECTED to attendees and community:
 - Scout Innovation
 - Hire talent
 - Create partnerships
 - Find new business opportunities
 - Learn about the latest technology and industry trends

TOPICS

HOW 3D PRINTING WILL CHANGE...

- | | |
|----------------------------|--|
| Medicine/Dentistry | Emerging Tech (AR/VR, cyberscurity/blockchain, Robotics) and 3DP |
| Legal/Regulatory Landscape | |
| Orthotics/Prosthetics | Investing in 3DP |
| Bioprinting | |

WORKSHOP DAY

DAY

1

> April 20th, 2018 Friday

● Workshop Track A

12:00 – 12:30 REGISTRATION STARTS

12:30 – 13:00 **Healthcare Ecosystem:** Dr. Jenny Chen

13:00 – 13:30 **Digital Dentistry:** Dr. Nabeel Cajee

13:30 – 14:00 **Bioprinting** (Dr. Mayasari Lim)

14:00 – 14:30 **Hands-on Workshop:** Bioprinting

14:30 – 15:00

15:00 – 15:30 **Hands-on Workshop: Digital Denture**
by Dr. Valerie Cooper

15:30 – 16:30

16:30 – 17:00

17:00 – 17:30 **3DHEALS2018 Night Reception and Fundraising GALA : Fundraising for Limbforge and Victoria Hand Project (Separate registration) 17:30-21:30**

17:30 – 18:00 Healthcare 3D Printing in the Nonprofit World: A Global Effort

18:30 – 19:00 Presenting: Limbforge, Victoria Hand Project, Autodesk Foundation, Nia Technologies, Doctors without Border)

19:00 – 21:30 Networking and Silent Auction

● Workshop Track B

Identifying and Protecting IP in 3D Printed Products
Mr. Erik Birkeneder (Nixon Peabody)

Materials Workshop: Biocompatible Materials

Hands-on Workshop: Medical Open Source Software (Hannah Riedle)

MAIN CONFERENCE DAY

DAY
2

> April 21st, 2018 Saturday

● Auditorium A

7:00 – 7:30 **REGISTRATION STARTS**7:30 – 7:40 **Welcoming Note: Dr. Jenny Chen**7:40 – 8:00 **KeyNote: Mr. Jeff Sorenson, CEO Terarecon**8:00 – 9:10 **3D Printing in Medicine: Hospital Experiences**

Mr. Robert Wesley, St. Louis Children's Hospital
 Mr. Shannon Walters, Stanford
 Dr. Sanjay Prabhu, Children Hospital Boston
 Dr. Justin Ryan (Phoneix Children Hospital)
 Dr. Tatiana Kelil, UCSF

9:10 – 9:20 **BREAK**9:20 – 10:20 **Polymer Materials for 3D Printing**

Dr. Aj Boydston (U Washington)
 Dr. Karsten Schlichter (Elkem)
 Mr. Rik Jacobs (NextDent, 3D Systems)
 Nag Patibandla (Applied Materials)

10:20 – 10:30 **BREAK**10:30 – 11:30 **Bioprinting**

Dr. Melanie Mathieu (Prellis Biologics)
 Dr. Mayasari Lim (SE3D, Moderator)
 Dr. Sam Wadsworth (Aspect Systems)
 Dr. Markus Reiterer (Medtronic)
 Dr. Jeff Miner (Viscient Biosciences)

11:30 – 12:20 **Legal and Regulatory Panel**

Todd Maiden (ReedSmith)
 Sameer Desai (JNJ)
 Tom Anderton (Squire Patton Boggs)
 Khalid Rafi (UL)

12:20 – 12:30 **LUNCH SERVED**12:30 – 14:00 **Startup Pitch Competition & Investor Panel**

Mr. Aj Perez
 Jessica A. Zeaske (GE Venture)
 John Hartner (Digital Industrialist)
 Uri Lopatin (Assembly Biosciences)
 Tyler Benster (Asimov)
 Linda Molnar (National Science Foundation)

● Auditorium B

Sharing Global Perspectives

Ms. Hannah Riedle (FAU Erlangen-Nürnberg)
 Dr. Mayra Vasques (Univ of San Paolo, Brazil)
 Dr. Sang Joon Park (Seoul National University Hospital)
 Dr. Ho Chaw Sing (NAMIC, Singapore)

Orthotics and Prothesis

Andreas Bastian (Limbforge, Autodesk)
 Dr. Nick Dechev (Victoria Hand Project)
 Jeff Huber (Standard Cyborg)
 Janis Jatnieks (WIDE Tech)

3D Printing in Hospitals: Zero to One

Justin Ryan (Phoneix Children's Hospital)
 Shannon Walters (Stanford Health)
 Robert Wesley (St. Louis Children's Hospital)

Legal Workshop: Business Considerations (12:30-13:00)

Tom Anderton (Squire Patton Boggs, Business, IP, Regulatory)
 Michael Fluhr (Squire Patton Boggs, Device Liability)

MAIN CONFERENCE DAY

DAY
2

> April 21st, 2018 Saturday

● Auditorium A

- 14:00 – 15:00 3D Printing in Orthopedic Care**
Dr. Aenor Sawyer (UCSF)
Dr. Alexis Dang (UCSF)
Dr. Ken Trauner (Bespoke)
Dr. Paul D'Urso (Anatomics)
-
- 15:00 – 15:10 BREAK**
-
- 15:10 – 16:10 Digital Dentistry and 3D Printing**
Dr. Nabeel Cajee, UOP (moderator)
Dr. Valerie Cooper, "Denture Queen"
Dr. Michael Scherer (Loma Linda University)
Mr. Rik Jacobs (NextDent, 3D Systems)
Dr. Mayra Vasques (Univ of San Paolo, Brazil)
-
- 16:10 – 16:15 BREAK**
-
- 16:15 – 17:00 3D Printing and Emerging Technologies (Artificial Intelligence, AR/VR, Robotics, IoT)**
Dr. Sanjay Prabhu (Children Hospital Boston)
Dr. Nima Massoomi (Yomi)
Mr. Shashi Jain (Intel)
Dr. Jesse Courtier (UCSF)
-
- 17:00 – 17:30 A Conversation with Penelope Helle (1st Patient with 3D Printed Titanium Sternum Implant) (introduced by Dr. Paul D'Urso)**

● Auditorium B

- Legal Office Hour: Identified IP**
Mr. Erik Birkeneder (Nixon Peabody)
-
- Metal 3D Printing**
Tuan TranPham (Desktop Metal)
Oscar Hedin (Orthopaedics Application at Oerlikon)
Dr. Ankit Saharan (EOS North America)
Dr. Paul D'Urso (Anatomics)
-
- Artificial Intelligence
Robotics in Digital Dentistry
IoT and 3D Printing
VR/AR complimenting 3D printing in Medicine

SPEAKERS



Paul D'Urso, MD

CEO Anatomics

Spinal BioModelling: my experience of 680 cases from 1994-2018



Justin Ryan, PhD

Research Scientist at Phoenix Children's Hospital
Hospital Experiences



Shannon Walters

Director, Stanford 3D and Quantitative Imaging Laboratory
Building a 3DP Lab within Radiology



Tatiana Kelil, MD

Radiologist, Women's Imaging Fellow, UCSF

Application of 3D printing in breast cancer management



Sang Joon Park, PhD

Founder and CEO, MEDICALIP; Professor, Seoul National University Hospital

Workflow trends for medical 3D printing: Examples of clinical trial and application



Hannah Riedle, MS

Research Associate, FAU Erlangen-Nürnberg

Creating silicone 3D printed soft tissue models from medical scan data



Sanjay Prabhu, MD

Director, Advanced Image Analysis Lab, and Clinical Director, SIMPeds3D Print, Boston Children's Hospital

Sustainability of 3D printing after the initial "hockey stick" rise- the BCH experience



Robert Wesley, MS

3D printing engineer, St. Louis Children's Hospital

3D Printing in A Multi-Center Network



Jeffrey Sorenson, MBA

President and CEO at TeraRecon, Inc

Keynote: Accelerating Innovation with Transformative Technology

SPEAKERS



Mayra Vasques, PhD

Digital Dentistry - 3D Printing - OFP/
TMD - Dental Prosthesis PhD Fellow
na University of São Paulo

*International: Challenges & Opportunities
in the Brazilian Dental Market*



Chaw Sing Ho

Managing Director at NTUitive | Innovation
Enterprise | New Ventures | Digital
Transformation | Sustainability | AI

*Perspective : 3D printing in
Healthcare*



Nabeel Cajee, DDS

Clinical Dentist, Adjunct Professor &
Dental Ambassador at 3DHEALS

*3D Technologies Changing
Dentistry; the Past, Present, & Future*



Rik Jacobs

NextDent and
3D Systems Corporation
3D Printing in Dentistry



Michael Scherer, DMD MS APC

Board-Certified Prosthodontist
& Technology Nerd

*Envisioning the Digital Dentistry Practice
of Yesterday, Today, and the Future*



Valerie Cooper, DDS, MS

Prosthodontist
"Denture Queen"



Nima Massoomi, DMD, MD

Oral and Maxillofacial Surgeon
*3D printing and Robotics, and how
its revolutionizing Oral Surgical
Procedures*



Samuel Wadsworth, PhD

Chief Scientific Officer & Co-Founder
Aspect Biosystems
*Aspect Biosystem:
Future of Bioprinting*



Mayasari Lim, PhD

CEO of SE3D & Leadership Teaching
Faculty at UC Berkeley
*Day 2 Panel Discussion: BioPrinting Panel
Discussion: Taking personalized medicine to
the next level*

SPEAKERS



Melanie Matheu, PhD
CEO, Founder at Prellis Biologics
*Bioprinting with living materials:
How do we get from Tissues to
Organs?*



Markus Reiterer, PhD
Senior Principal Scientist,
Medtronic
*Will bioengineered tissues and organs
solve the donor organ problem?*



Jeffrey Miner, PhD
Founder and CSO, Viscient
Biosciences
*Viscient Biosciences, a 3D drug
discovery engine*



Jeff Huber
Cofounder,
Standard Cyborg
Design Automation in O&P



Andreas Bastian
Autodesk and LimbForge
LimbForge: Person-Centered Prosthetics



Nick Dechev, PhD
Victoria Hand Project
*Deployment of 3D Printed
Hand Prosthesis in Low-Income
Countries*



Janis Jatnieks
CEO/Founder, WIDE.TECH
A VIRTUAL O&P CLINIC



Jessica A. Zeaske, PhD, MBA
Director of Healthcare,
GE Venture



Uri Lopatin, MD
Chief Medical Officer/VP R&D,
Assembly Biosciences

SPEAKERS



Linda Molnar, PhD

SBIR/STTR Program Director
National Science Foundation

*Investing in High-Risk, High-Payoff
Technological Innovation*



John Hartner, MBA

Founder, Digital Industrialist
Investing in Healthcare 3D Printing



Alfonso (AJ) Perez, MEng

General Manager, Cincinnati
Incorporated

*Raising money from VC: an
entrepreneurs perspective*



**Tyler Benster, PhD
Candidate**

Co-Founder, General Partner,
Asimove Ventures
3D Precision Health



Jenny Chen, MD

Founder, 3DHEALS



Tom Anderton, MS, JD

Attorney at Squire Patton Boggs LLP
*Business Considerations related to
3D BioPrinting: IP, Regulatory, and
Potential Liability*



Erik Birkeneder, JD, MS

Partner at Nixon Peabody LLP
*Day 1: Identifying and Protecting IP
in 3D Printed Products*
*Day 2: Office hours to discuss
Identified IP*



Sameer Desai, JD

Assistant General Counsel,
Johnson & Johnson
Legal update: Johnson and Johnson



Khalid Rafi, PhD

Lead Development Engineer - Additive
Manufacturing / 3D printing at UL
*Key Regulatory Concerns for Additively
Manufactured Medical Devices*

SPEAKERS



Todd Maiden, J.D

Partner, Reed Smith LLP
Key Regulatory Concerns for Medical Devices Manufactured through AM Processes.



Jerry Evans, MASC, MBA

CEO, Nia Technologies Inc.
'3D Printing – Using Technology for a Higher Purpose'



Safa Herfat, PhD

Assistant Professor - UCSF
Orthopaedic Surgery
Evaluation of 3D Technologies for Medical Humanitarian Applications



AJ Boydston, PhD

Associate Professor at University of Washington
Chemists as Molecular Engineers: New Methods and Materials for 3D Printing



Karsten Schlichter

Business Development Manager, Elkem Silicones
Enhanced solutions for personalized health care applications with Silicone Elastomers Additive Manufacturing



Nag Patibandla

Vice President at Applied Materials
Additive Manufacturing at Applied Materials



Oscar Hedin, MSc

Senior AM Application Engineer, Orthopaedics at Oerlikon
Metal 3D Printing in the Medical Industry



Tuan Tranpham, MEng

Desktop Metal



Ankit Saharan, PhD

Manager R&D/Applications Development, EOS
Metal 3D Printing of Medical Devices

SPEAKERS



Aenor Sawyer, MD

Director UCSF Skeletal Health
Service, Health Innovation &
Technology in Ortho, UCSF

Onsite 3D Printing in Orthopaedic Surgery



Alexis Dang, MD

Orthopaedic Surgeon, CMO PrinterPrezz

*3D Printing Models for Surgical
Planning in Orthopaedics-
Frontline Perspectives*



Jesse Courtier, MD

Pediatric Radiologist, Augmented
Reality enthusiast

*Extending the reach of 3-D
medical imaging*



Shashi Jain, MBA, MS

IoT Innovation @ Intel

*Achieving Customization at
Scale with IoT*

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FOR NOTES

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