

Healthcare Multiplied By 3D Printing

Our Newest “HCx3DP Album of Innovation”

The Latest In The Accelerating Technological Developments In HCx3DP:
A Visual Presentation Of Medical Marvels, Bio Wonders & More To Come...

Presented by **3DP Media** at the *HCx3DP Meetup New York*,
in Lower East Side, 12 March 2015 (Rev #8)



3DP MEDIA

Building Community Via 3D Printing

Land Grant, Founder

Land@nyc3dp.com | 718-522-9791

68 Jay Street | Suite 718 | DUMBO | Brooklyn, NY | 11201 | USA

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential.

HCx3DP *Meetup* NEW YORK

- *Your Master of Ceremonies:*
- **Land Grant:** *HCx3DP Meetup NY Organizer & Fndr, 3DP Media*
- Media House | Think Tank | Event Producer | Product Designer
- Publisher/Blogger NYC3DP.com & “This Week in NYC3DP”
- Contributing Writer, NYC *for* 3DPI (3D Printing Industry Ltd.)
- 3DP-Business Tweeting: [@NYC3DPLand](https://twitter.com/NYC3DPLand) & [@land_grant](https://twitter.com/land_grant)
- Founder/Organizer: **NOW-> HCx3DP Meetups WEEK**



Building Community Via 3D Printing

Copyright Land Grant 2014. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

Slide # 2

HCx3DP *Meetup* NEW YORK

- **Our Evening's Agenda:**
 - iMakr Demo/Orientations of Store Select Brands
 - Orientation; Announcements; Introductions
 - Attendee Self-Intros; Expectations; #1 Personal Goal
 - Our Latest Rev of *"HCx3DP NY Album of Innovation"*
 - Sylvain Preumont: The 3DP Retailer POV
 - David Solomonoff: ISOC-NY, IoT, 3D Printing & Healthcare
 - Nathan Ghabour: SOLS Systems & Walking (Orthotically) Tall
 - Victor Ty: RN View of Making, LEGO & 3DP
 - Alex Meacham: DIY/DIT 3DP prosthetics for children
 - Audience Polling | Suggestions | Networking



Building Community Via 3D Printing

Copyright Land Grant 2014. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

Slide # 3

WHY HCx3DP New York?

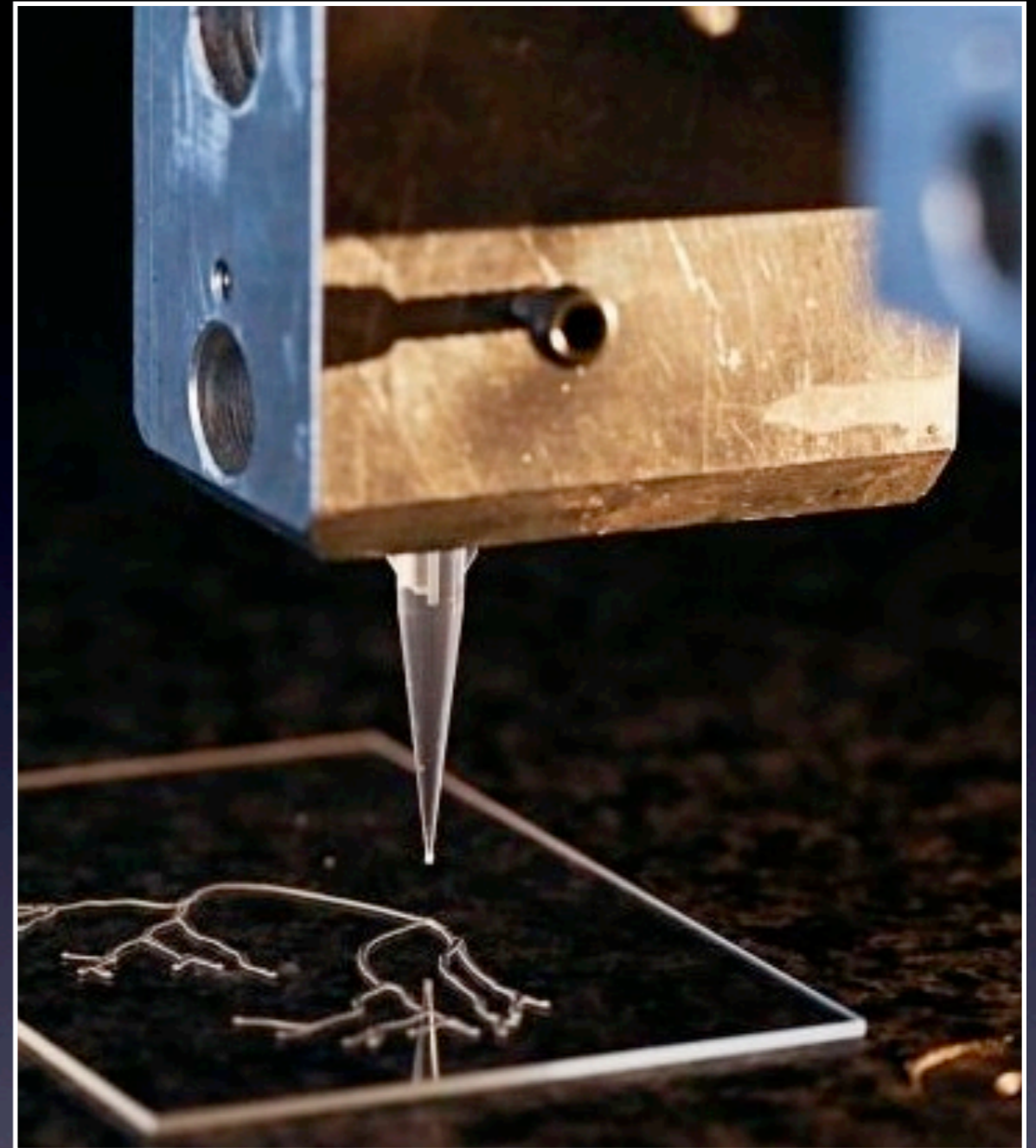
- **Healthcare** => **Fastest-Growing Segment in Booming 3DP**
- **NYC** => **THE 3D Printing Center of Innovation in U.S.**
- **NYC** => **THE World's Largest Locus of Higher Ed Institutions**
- **NYC** => **Metro-Area, World's Pharma Capital (60% of U.S Ind.)**
- **NYState** => **Ranked #1 in U.S. as Life Sciences Org. Location**
- **NYC** => **THE Largest U.S. HC Employee-Pool : 665K Workers**
- **NYC** => **Tech Employment: Fastest Growing Sector: 300K Wkrs**
- **NYC** => **THE Venue for 1st HC/3DP Industrial-Segment Cluster**
- **HCx3DP NY** => **Our Goal: World's #1 HCx3DP Cluster HQ !!!**



Building Community Via 3D Printing

Copyright Land Grant 2014. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

- **THE Best Current 3DP Overview:**
 - “PRINT THYSELF: How 3D Printing Is Revolutionizing Medicine”
 - Jerome Groopman, MD
 - “The New Yorker” 24 Nov '14
 - Now, Thought Leaders, Biz Titans & Gov Officials are learning...



3DP MEDIA

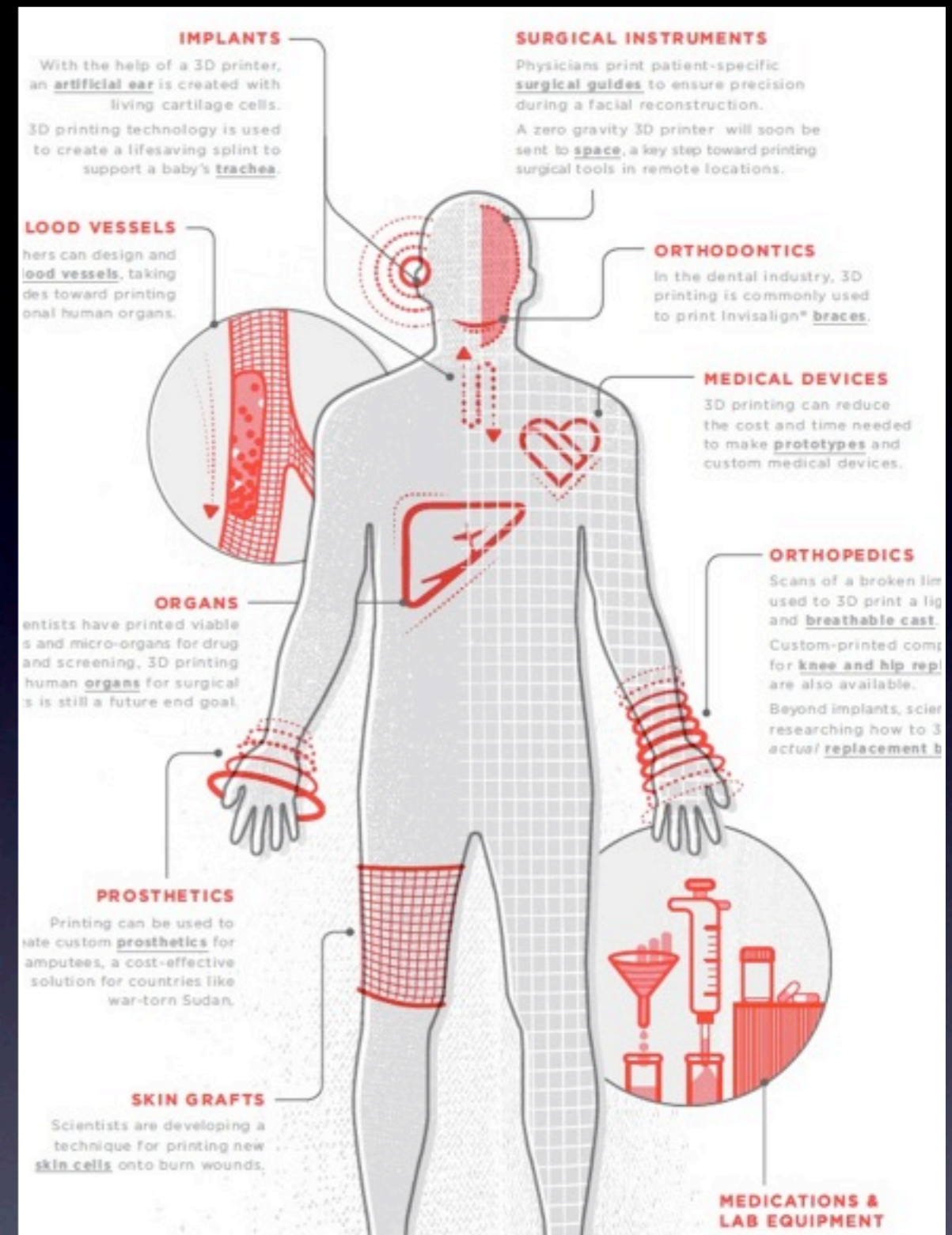
Building Community Via 3D Printing

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

• The 3DP'd Body:

- Prosthetics & Orthopedics
- Implants & Orthodontics
- Medical Devices
- Medical Modeling
- Surgical Instruments & Guides
- Vascularization: Blood/Lymph
- Skin, Tissues & Organs

- Infographic by Ovait Health: Elena Ovait Weiss



3DP MEDIA

Building Community Via 3D Printing

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

- **ExoSolutions:**

- **Maker-Made DIY/DIT Robohand**
- **3DP'd Semi-Patient-Specific Grasping Prosthetic-Hand**
- **Mechanical Actuation**
- **On-Demand Iterative Evolution To Match Child Growth**



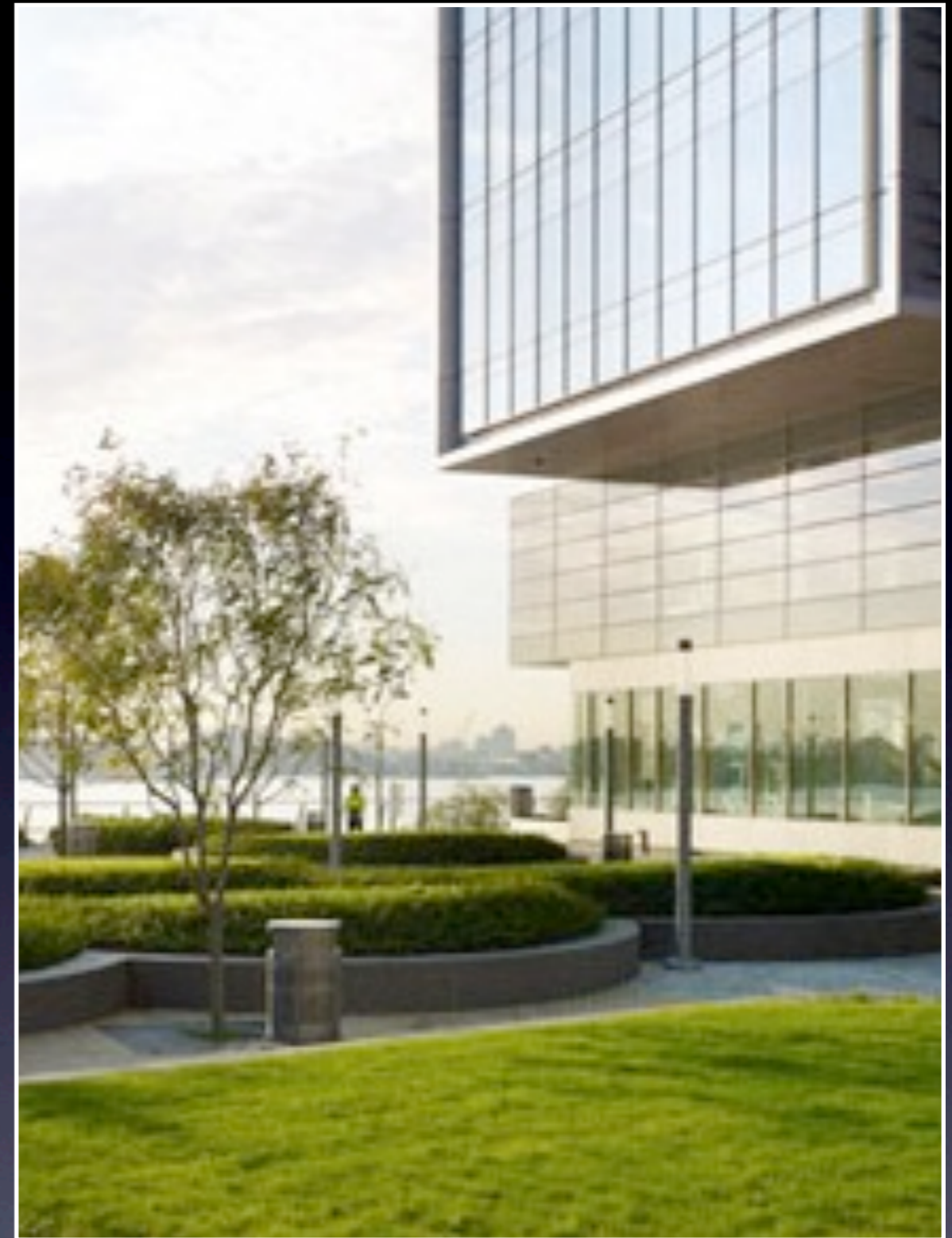
3DP MEDIA

Building Community Via 3D Printing

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

- **Health Tech VC Growth in NYC**

- Digital Health Apps: +228%
- HC Software: +77%
- Biotech: +25%
- Med Devices: +21
- -> Apple Watch RPM Impact!
- Alexandria Center for LifeSci



3DP MEDIA

Building Community Via 3D Printing

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

- **U.S. Military Envisions 3DP'd Virtual Soldiers' Bodies**

- Data Integrated from Scans
- Virtual Copies 3D-Printed
- Personalized Replica
- Virtual & Physical MedModel
- Wounded Soldier "PersLibrary"

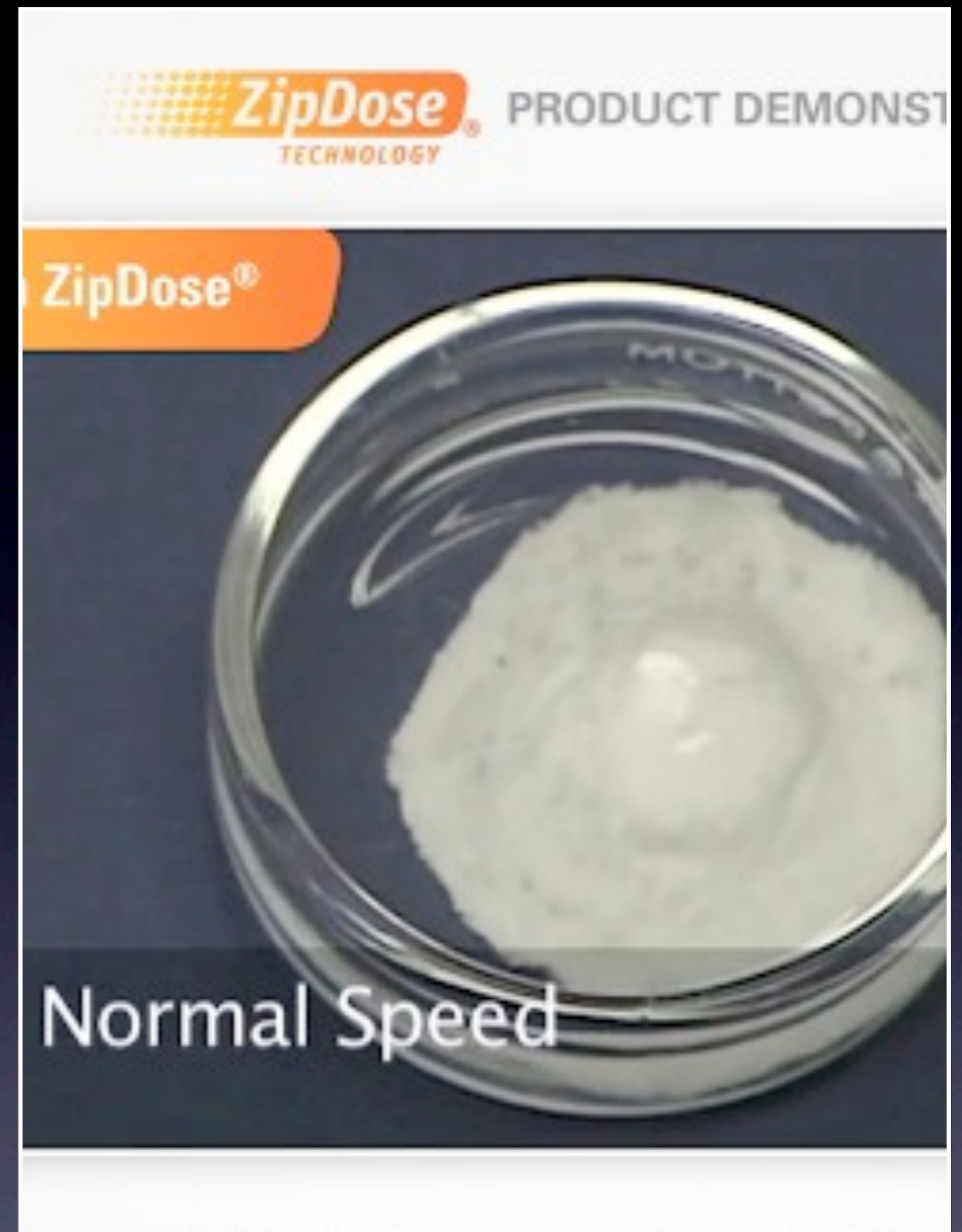


3DP MEDIA

Building Community Via 3D Printing

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

- **Aprecia 3D Prints Medicine**
 - Patient-Specific Meds
 - Individualized Dose & Chem
 - 3DP'd Locally or at Home
 - 1st 3DP'd Med: ZipDose
 - Dissolves in 4.02 Seconds vs. 45 Seconds for "Fast Acting"



3DP MEDIA

Building Community Via 3D Printing

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

- **Materialise Disrupts...**
 - iMaterialise's Unknown Cousin
 - BioMedical Engineering
 - Patient-Specific Med Devices
 - Medical Modeling & Guides
 - Surgical Planning Software
 - "Mimics Innovation Suite"



3DP MEDIA

Building Community Via 3D Printing

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

- **3DP'd Cracker Transforms The Food Industry?**
 - 3DP Seeds, Spores & Yeast
 - Sprout in 3 to 4 Days
 - “Edible Growth”
 - Chloe Rutzerveld, Food Design



3DP MEDIA

Building Community Via 3D Printing

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential. Contact Land@nyc3dp.com

Healthcare Multiplied By 3D Printing

Our Newest “HCx3DP Album of Innovation”

The Latest In The Accelerating Technological Developments In HCx3DP:
A Visual Presentation Of Medical Marvels, Bio Wonders & More To Come...

Presented by **3DP Media** at the *HCx3DP Meetup New York*,
in Lower East Side, 12 March 2015 (Rev #8)



3DP MEDIA

Building Community Via 3D Printing

Land Grant, Founder

Land@nyc3dp.com | 718-522-9791

68 Jay Street | Suite 718 | DUMBO | Brooklyn, NY | 11201 | USA

Copyright Land Grant 2015. All rights reserved. Proprietary & Confidential.