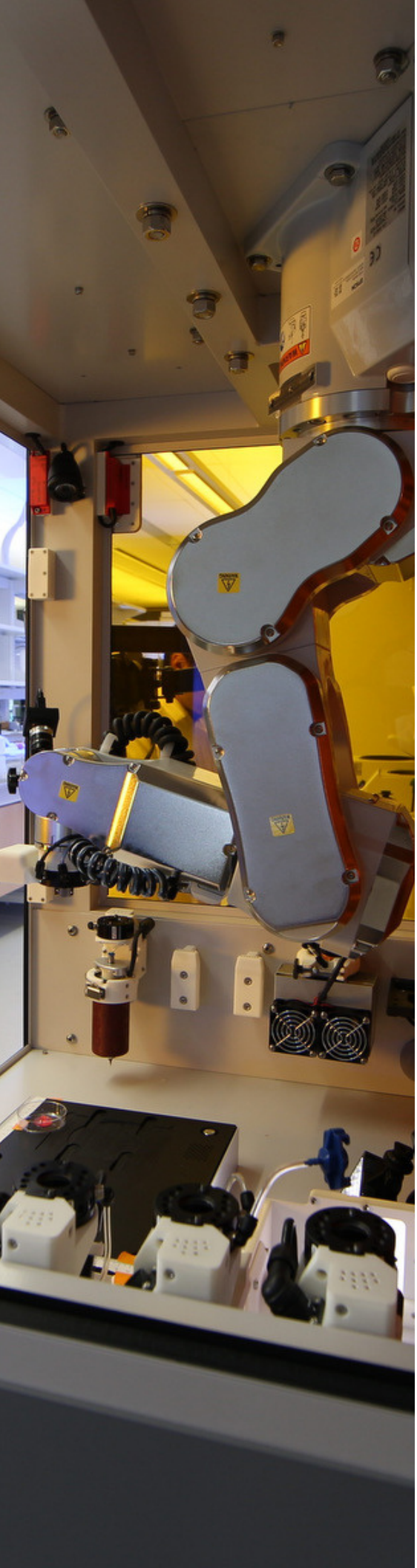

CECT Center for Engineering Complex Tissues

3RD ANNUAL 3D PRINTING & BIOFABRICATION WORKSHOP: VIRTUAL EVENT

NIBIB/NIH Center for Engineering Complex Tissues (CECT)
Fischell Department of Bioengineering
University of Maryland, College Park

FRIDAY, NOVEMBER 13, 2020
12:00 PM - 4:00 PM (ET)

This workshop introduces attendees to the fundamental concepts of biofabrication as well as more advanced applications of 3D printing in tissue engineering. Our guest speakers Dr. Adam Feinberg (Carnegie Mellon University) and Dr. Richard Hanna (AstraZeneca) will also provide their unique perspectives on this field.

This is a virtual event taking place via Zoom. To obtain the event link please register online:

GO.UMD.EDU/3RDANNUAL

The event Zoom link will be sent within a week of the workshop date via the registered email address. Event information can also be found on the CECT website:

GO.UMD.EDU/3DPRINTING-MORE-INFO

12:00 - 12:10 p.m.	Welcome & Introductions	Dr. John Fisher (Univ. of Maryland)
12:10 - 12:30 p.m.	A Brief Description of Tissue Engineering & Biofabrication Techniques	Dr. Bhushan Mahadik (Univ. of Maryland)
12:30 - 12:50 p.m.	The 3D Printing Process: Concept to Reality	Robert Choe (Univ. of Maryland)
12:50 - 1:10 p.m.	3D Printing with Cells & Biologics	Sarah Van Belleghem (Univ. of Maryland)
1:10 - 1:25 p.m.	Break/Q&A with Dr. Mahadik, Choe, and Van Belleghem	
1:25 - 1:45 p.m.	3D Printing Strategies for Hard Tissue Scaffolds	Dr. Anthony Melchiorri (Rice University)
1:45 - 2:05 p.m.	Bioink Development & Printability for Complex 3D Printing	Dr. Sang Jin Lee (WFIRM)
2:05 - 2:25 p.m.	Applications of Bioreactors in Tissue Engineering	Dr. Bhushan Mahadik (Univ. of Maryland)
2:25 - 2:40 p.m.	Break/Q&A with Dr. Melchiorri, Dr. Lee, and Dr. Mahadik	
2:40 - 3:10 p.m.	FRESH 3D Printing Across Length-Scales: From Microfluidics to Whole Organs	Dr. Adam Feinberg (Carnegie Mellon)
3:10 - 3:40 p.m.	Opportunities & Challenges of Bioprinting - A Drug Discovery Perspective	Dr. Richard Hanna (AstraZeneca)
3:40 - 4:00 p.m.	Q&A with Dr. Feinberg and Dr. Hanna	