

3D BIOPRINTING SYMPOSIUM

3D Bioprinting of Hard & Soft Engineered Tissues for Dentistry

Monday, January 21, 2019

University of Michigan - School of Dentistry

Ann Arbor, MI, USA



The school of Dentistry at the University of Michigan, number one dental school in the US, and regenHU, the world leader in innovating 3D Bioprinting solutions are joining forces to organize the first 3D Bioprinting Symposium. This event will bring together world-class scientists to discuss additive manufacturing approaches in dentistry. Presentations will feature multidisciplinary work integrating biology, materials science, and mechanical engineering to solve clinically relevant dentistry problems. Ultimately, it will shed light on the value of 3D bioprinting in regenerating biomimetic soft and hard three-dimensional tissues.

Who should attend:

Dentists, university professors, researchers, doctoral students, postdoctoral fellows, laboratory technicians, and anyone operating at the interface of dentistry, tissue engineering, regenerative medicine, and 3D bioprinting.

AGENDA

Monday, January 21, 2019

8:30 - 9:00	Registration & Welcome
9:00 - 9:30	Engineering Complex Biomimetic architectures: A Step Closer To The Developing Artificial Organs Marc Thurner, CEO of RegenHU Ltd. Switzerland
9:30 - 10:15	3D Bioprinting approaches for musculo-skeletal tissues fabrication: current status and potential biological and clinical insights Dr. Mauro Petretta, Istituto Ortopedico Rizzoli, Bologna
10:15 - 11:00	Introduction of the 3D Tissue Bioprinting Program of NIH/NCATS Dr. Paige Derr, National Center for Advancing Translational Sciences, NCATS, NIH (United States)
11:00 - 11:20	Coffee break
11:30 - 12:30	LIVE Demonstration: Convergence of Extrusion and Electrospinning to Create Hard & Soft Tissues Drs. Zeynep Aytac & Nilesh Dubey (University of Michigan), Dr. Mauro Petretta (Istituto Ortopedico Rizzoli, Bologna, Italy)
12:30 - 14:00	Lunch & Networking
14:00 - 14:30	Stem Cell Therapy for Alveolar Bone Regeneration Prof. Darnell Kaigler, University of Michigan, United States
14:30 - 15:00	3D Bioprinting Strategies for Periodontal Reconstruction Prof. Marco Bottino, University of Michigan, United States
15:00 - 15:20	3D Printing for Cardiovascular Disease Application Dr. Sara Abdollahi, Johns Hopkins University School of Medicine, Division of Cardiac Surgery
15:20 - 16:50	Round Table: How Can BioFabrication Catalyze Scientific Advancements in Regenerative Dentistry? Chairman: Marco Bottino



To better foster interactions between the participants, share expertise, and ultimately make the symposium more efficient, the places are limited to 30.

Please register by January 15, 2019 by sending your contact information to registration@regenHU.com.

Participation is free of charge.

We look forward to meet you for this exciting day!



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