The International Conference on Biofabrication

Biofabrication 2023

Saskatoon, Canada • Sept. 17 - 20

THE INTERNATIONAL CONFERENCE ON BIOFABRICATION 2023

Program Book

Awards

Wake Forest Institute for Regenerative Medicine Young Investigator Award

Biofabrication 2023

Hitendra Kumar, PhD
University of Calgary, Canada

Professional Development Award

Biofabrication 2023

Grissel Trujillo de Santiago, Ph.D.
Tecnológico de Monterrey, Mexico

Travel Awards

Biofabrication 2023

Irene Chiesa
Univeristy of Pisa, Italy

Eva Schaetzlein
Technical University Darmstadt, Germany

Abhishek Indurkar
Riga Technical University, Latvia

Dong Gyu Hwang
Pohang University of Science and Technology, Republic of Korea

Laura Veenendaal
University of Otago, New Zealand

Uijung Yong
Pohang University of Science and Technology, Republic of Korea

Hitendra Kumar
University of Calgary, Canada

DeShea Chasko
University of Oregon, USA

Javier Vazquez Armendariz
Tecnologico de Monterrey and Ohio State University, Mexico and USA

Dayoon Kang
Pohang University of Science and Technology, Republic of Korea

Camilla Mussoni
Univeristy of Wuerzburg, Germany

Program

Session: 6.A Advanced Bioprinting II
Time: 02:00pm - 04:00pm
Function Room: Ballroom B
Chairs: Adam Feinberg, Nuraina Dahlan

Presenter	Presentation Title
Y. Shrike Zhang (Keynote)	3D Bioprinting for High-Content Tissue Fabrication
Uijung Yong	Biohybrid 3D Printing of a Tissue-Sensor Platform for Cardiac Excitation–Contraction Coupling Monitoring
Reza Noroozi	3D Printing Flexible Wearable Biosensors Based on the Surface Modified TPMS Structures
Mendy Minne	Biofabrication of Vascularized Skeletal Muscle Tissue from the Bottom-up
Donghwan Kim	Microfluidic 3D Bioprinting Technique for Developing a Transplantable Pre-vascularized Tissue Constructs with Low Viscous Bioinks
Torsten Blunk	Cancer Cell Migration Depends on Adjacent Stromal Cells in a 3D Bioprinted Breast Cancer Model
Julia Fernandez Perez	On the Versatility of Two-Photon Polymerization for Biomedical Applications

Session: 6.B Advanced Bioprinting II
Time: 02:00pm - 04:00pm
Function Room: Courtyard Room
Chairs: Mohsen Akbari, Amir Seyfoori

Presenter	Presentation Title
Shaochen Chen (Keynote)	Translating DLP Bioprinters: From Prototypes to Commercial Products
Tim Woodfield (Keynote)	Towards Translation in Regenerative Manufacturing
DeShea Chasko	Development of Biofabricated Models to Probe Hematopoietic Stem Cell Mobilization
Dibakar Mondal	mSLA-based Additive Manufacturing of Nanohydroxyapatite-Biopolymer Nanocomposites for Bone Applications
Adetola Adesida	In Vitro Maturation and In Vivo Stability of Bioprinted Human Nasal Cartilage
Bahram Mirani	Engineering Heart Valve Tissues with Biomimetic Mechanical Properties using Melt Electrowriting