

Parallel		Track	Session	Time	Oral presentations	Speakers
A	Rectoria 1 (Sala mayor) Tuesday, Nov. 3	01 Biaterials, Hydrogels, and Bioinks	Adaptive Matrices: Engineering Next-Generation Hydrogels for Tissue and Disease Modeling 1	10:00	Keynote: Synthetic 3D cell-culture matrices with DNA-encoded properties and functions	Elisa Koenig
				10:30	3D-printed DNA-responsive hydrogels	Cristiana Drago
				10:50	Electroconductive and Magnetic Fiber-Laden Hydrogels for 3D-Bioprinting Applications	Salome Luis
				11:10	Stiffness-Dependent Drug Transport, Cancer Cell Response, and Tumor Heterogeneity in GelMA and PCL Short Fiber Composites	Roman Masyk
				11:30	AdiGraft: A versatile, biocompatible additive for light-based 3D patterning of physical and chemical signals within hydrogel networks	Colleen Garikipati
A	Rectoria 2 Tuesday, Nov. 3	02 Advanced Bioprinting Technologies & Manufacturing Strategies	4D Printing for Tissue Engineering and Regenerative Medicine 1	12:10		Paulina Nunez Bernal
				12:30		
				10:00	Keynote: Four-dimensional printing: an enabling fabrication approach for the fabrication of dynamic in vitro models	Imre Chiosso
				10:30	3D-printed carbon microfluidics: A novel scaffold platform for musculoskeletal tissue engineering	Moumita Islam
				10:50	Tailored Bioreactors Facilitate Cellular Remodeling in 4D Bioprinted Constructs for Cardiovascular Applications	Roman Masyk
A	Carreta Tuesday, Nov. 3	02 Advanced Bioprinting Technologies & Manufacturing Strategies	Engineering Complex Tissues Through Multimaterial Biofabrication 1	11:10	Perfusion-Driven 4D Remodeling of Microchannelled Collagen Constructs for Vascular and Soft Tissue Replacements	Denisa Kamkova
				11:30	Biometric interlocking pyrolytic carbon building blocks: a modular, minimally invasive strategy for bone defects	Andrés Díaz Lantada
				11:50		
				12:10		
				12:30	Keynote: 3D Hybrid Bioprinting for Complex Multi-Tissue Engineering	Yunzhi Peter Yang
A	Auditorio Expedition Tuesday, Nov. 3	03 Tissue-Specific & Organ-Oriented Biofabrication	Biofabrication of Soft Tissues 1	10:00	Aquatic bioprinting of microcompartmentalized skeletal muscle constructs using bioinks enriched with minimally processed tissue (MPT) for structured cultivated meat	Ana Sofia Garcia
				10:30	Extruded droplet-on-demand (X-Dod) bioprinting for controlled iPSC-based functional cortical network formation	Elisabeth Riska
				11:10	A Multimaterial Volumetric Bioprinting Platform for Heterogeneous Cornea Tissue Fabrication	Daniel Nieto
				11:30	Innovative multifunctional toolheads for the colonoscopic delivery of biomaterials in-situ	Gabriele Maria Fortunato
				11:50		
A	Business Intelligence Tuesday, Nov. 3	06 Biofabrication for Emerging Applications	Integrating Machine Learning and AI for Next-Generation Biofabrication 1	12:10	Keynote: Elastic Hydrogel for Soft Tissue Fabrication and Biomechanical Stimulation	Guohao Dai
				10:00	Conductive Nanocomposite Bioinks for Bioprinting of Bioactive Nerve Guidance Conduits	Sanjay Vijayarajkumar
				10:30	Modular Biofabrication of Composite Scaffolds for Hierarchical and Biomechanically Inert Tissue Engineering	Anat Silberman
				11:10	A Biometric Vascularized 3D Hepatic Lesion Model with Dynamic Perfusion	Silvia Farf
				11:30	A tunable gelatin bioink toolbox for light-based biofabrication of laminated constructs for urethral repair	Nile Pen
A	Venture Café Tuesday, Nov. 3	05 Community Building	Biofabrication & Industry (To be developed)	11:50	3D bioprinted pigmented human skin for translational drug testing across skin phenotypes	Jessica Helena Lopes da Fonseca
				12:10	Bioprinting-assisted Tissue Assembly of Volumetric and Hypomyotogenic Liver Grafts	Duckun Kim
				10:00	Keynote: Infrastructure enables AI: Why 3D Cell Culture Must Undergo the Same Transformation as 2D Cell Culture	Patrick Thayer
				10:30	AI-Enabled Detection of Geometrical Deviations in Two-Photon Photopolymerization of Organ-on-a-Chip Systems using Sensor-Integrated 3D-Bioprinting Technology	Silvia Tompham
				10:50	Industrial Biofabrication of OOCs - Towards the Automated Bioproduction of Organ-on-a-Chip Systems using Sensor-Integrated 3D-Bioprinting Technology	Andreas Bleser
B	Rectoria 1 (Sala mayor) Tuesday, Nov. 3	01 Biaterials, Hydrogels, and Bioinks	Adaptive Matrices: Engineering Next-Generation Hydrogels for Tissue and Disease Modeling 2	11:30	Engineering Vascularized Cardiac Tissues Using Bayesian Optimization	Karen Shen
				11:50	VascaNet: Automated Patient-Specific Cardiac Vascular Mapping from CT Angiography for 3D Bioprinting	Mehal Yalçin
				12:10	AI-Driven Multimaterial Digital Light Processing for Multiscaled and multimaterial Vascular Tissue Constructs	Daniel Nieto
				10:00		
				10:30		
B	Rectoria 2 Tuesday, Nov. 3	02 Advanced Bioprinting Technologies & Manufacturing Strategies	4D Printing for Tissue Engineering and Regenerative Medicine 2	10:50	Keynote: Engineering mechanical heterogeneity in 3D cell environments with light	Miguel Dias Castilho
				14:30	Dynamic Modulation of the Microenvironment Promotes Functional Maturation of Engineered Tissues	Eric Silberman
				14:50	Engineering viscoelastic hydrogels to control epithelial responses under confinement	Sylvain GABRIELE
				15:10	A Multi-Material 3D Bioprinted Platform with Mechanical Heterogeneity for Fibrosis Modeling and Antifibrotic Drug Screening	Aden V Arceja Talaya
				15:30		
B	Carreta Tuesday, Nov. 3	02 Advanced Bioprinting Technologies & Manufacturing Strategies	Engineering Complex Tissues Through Multimaterial Biofabrication 2	16:10		
				16:30	Keynote: Embracing Remote Fields in Biofabrication for Neuromodulation	Menglin Chen
				14:30	Personalized Dual-Scaffold Platform with Tunable Biaterials for Osteochondral Regeneration	Monica Echeverri-Rendon
				14:50	Micro-CT Enables 3D Visualization of Cell-Material Interactions at Single-Cell Resolution In Vitro	Pablo Vazela
				15:10	Light-Programmable and Digital Light Processing 3D Printed Hydrogels	Manuela Garay-Sarmiento
B	Auditorio Expedition Tuesday, Nov. 3	03 Tissue-Specific & Organ-Oriented Biofabrication	Biofabrication of Soft Tissues 2	15:30	Bioinks development for 4D bioprinting of osteochondral scaffold via cell contractility-driven shape morphing	Joana Maronek
				15:50		
				14:30	Chaotic bioprinting of compartmentalized myoblast (fibroblast co-cultures for enhanced myogenesis	Rosa Angelica Gonzalez Vilchis
				14:50	A multimaterial extrusion device with integrated optical crosslinking for minimally invasive cartilage repair	Giovanni Nuzzi
				15:10	Multimaterial Volumetric Bioprinting of Lymphatic Tumoroids for Modeling Tumor-Lymphatic Interactions	Adrian Garcia
B	Business Intelligence Tuesday, Nov. 3	06 Biofabrication for Emerging Applications	Integrating Machine Learning and AI for Next-Generation Biofabrication 2	15:30	GEM - Gradient Embedded Multiscale 3D Printing	Solmi Sinha
				15:50		
				14:30	Sequential Fabrication of a Three-Layer Retina-Like Structure	Yahel Shlesher
				14:50	Aquatic two-phase system (ATPS) wet-spinning of oriented porous hydrogel fibers for enhanced cell colonization for skeletal muscle tissue engineering	Maria Velez
				15:10	Development of a volumetrically bioprinted iPSC-derived foetal liver-like niche in a chemically defined hydrogel for assessing HSC homing and expansion	Charlotte Brice
B	Venture Café Tuesday, Nov. 3	05 Community Building	ISBF Early Career Researchers Symposium (under construction)	15:30	Bioprinted Liver Constructs Harnessing Liver Decellularized Extracellular Matrix and Functional Hepatocytes for Liver	Duyven Kang
				15:50	Design, Construction and Validation of a Cost-Effective Modular Open-source Volumetric Bioprinter	Joshua L. Leong
				14:00	Keynote: Making Biofabrication Automatable: AI Enabled Process Intelligence for Consistent and Transferable Workflows	Gregor Weisgraber
				14:30	Machine learning-enabled inverse design of spherical porous scaffolds for predictive bioprinting	Monica Echeverri-Rendon
				14:50	From intraoperative scan to printable geometry: a fully automated pipeline for patient-specific in situ bioprinting	Carmelo De Maria
C	Rectoria 1 (Sala mayor) Tuesday, Nov. 3	01 Biaterials, Hydrogels, and Bioinks	Advances in Embedded Bioprinting for Microphysiological Systems, Tissue, and Organ Biomanufacturing	15:10	A Metaverse-Controlled Hydrogelic Optical Tweezers Bioprinting platform for Immersive Micro-Scale Cell Manipulation	Daniel Nieto
				15:30	An intelligent bioprinting platform with volumetric, fluorescence-based process monitoring for closed-loop control	Vasilios Sergis
				15:50	AI-enhanced real-time control for precision robotic bioprinting	Pierpaolo Facile
				14:30	Keynote: Dynamically morphing preforms for omnidirectional embedded 3D printing	Mark Skylard-Scott
				14:50	3D Writing of Tendon Microphysiological Systems for Decoding Tendon Cell Mechanosignaling	Rui Domingues
C	Carreta Tuesday, Nov. 3	02 Advanced Bioprinting Technologies & Manufacturing Strategies	Frozen Frontiers in Biofabrication	15:10	A Miniaturized Omnidirectional Bioprinting System for Complex Organ-scale Construct Fabrication	Dong Yoo Hwang
				15:30	Advancing Bioprinting through Materials, Methods, and Hardware	Junyi Li
				15:50	Modeling human urinary tract morphogenesis and dysgenesis in vitro using bioprinting	Pincipei Apostolakis
				17:00	Keynote: Design of Biomimetic, Multilayered Silk Fibron Biomaterials for Aortic Valve Repair	Jelena Rajak-Kovacsina
				17:30	VOLUMETRIC BIOFABRICATION AND 3D PRINTING FOR THE DESIGN AND FABRICATION OF A HUMAN BIOLOGICAL VENTRICULAR ASSIST DEVICE	Ivan Valdivieso
C	Auditorio Expedition Tuesday, Nov. 3	03 Tissue-Specific & Organ-Oriented Biofabrication	Biofabrication Strategies for Cardiovascular Applications	17:50	Long-term stimulation of human engineered cardiac tissues using a novel cardiovascular system	Norma Andrea Chagoya Po
				18:10	Optoelectronic cardiac modulation and perfusable vascular conduits for cardiovascular translation	Sushita Mahajan
				18:30	Cationic ECM hydrogels for charge-mediated modulation of the pericellular ionic microenvironment to promote cardiac tissue maturation	Ming Kim
				18:50	Using Transcription to decipher in vivo engineered cardiac tissue failure	Manuel M. Manó Vega
				19:10	Engineering Structural and Vascular Stability in Human Cardiac Tissues through Integrated Materials and Cellular Strategies	Shin Limbo Levi
C	Rectoria 2 Tuesday, Nov. 3	02 Advanced Bioprinting Technologies & Manufacturing Strategies	Pushing the Boundaries of Biofabrication through Hybrid Manufacturing 1	19:30	Engineering Structural and Vascular Stability in Human Cardiac Tissues through Integrated Materials and Cellular Strategies	Y. Shier-Zhang
				17:00	Keynote: Cryobioprinting for Shelf-Ready Tissue Fabrication: Toward On-Demand Living Biofabrication	Jelena Rajak-Kovacsina
				17:30	Biofabrication strategies at sub-zero temperatures: From cell-laden hydrogels to soft bioelectronic constructs	Joshua Weigant
				18:20	Integrated cryobioprinting platform for controlled ice templating and predictive porous microarchitecture design	Alfonso Gonsalves
				18:40	Automated Cryobiomanufacturing of Human-Relevant Tissue Models for Scalable Drug Development	Carlos E. Garciamendez
C	Venture Café Tuesday, Nov. 3	06 Biofabrication for Emerging Applications	Minimally Invasive In Situ Bioprinting	19:00	From Batch to Sheet - High-speed bioprinting technology for scalable bioproduction of textured meat precursors	Andreas Bleser
				17:00	Biofabrication of Gelatin- and Plant Protein-Based Hybrid Constructs for Cultivated Meat Incorporating Adipose Spheroids	Petra J Klugner
				17:20	Microfluidic fabrication of GelMA microgels enables myogenic maturation and modular assembly of muscle-like microstructures for cultivated meat applications	Juan F. Yeo-de León
				17:40	Chaotic Bioprinting for Cultured Meat: Fabrication of Edible Gelatin-based Muscle Filaments via Enzymatic Crosslinking	Hector Antonio González
				18:20	Applying dynamic biomaterial designs and controlled extrusion forces towards anisotropic muscle cell development for cultivated meat	David Kilian
D	Auditorio Expedition Wednesday, Nov. 4	02 Advanced Bioprinting Technologies & Manufacturing Strategies	Shaping Biology with Light 1	18:50	Keynote: Operating with a robotic-based in situ bioprinting from 3D scanning	Y. Shier-Zhang
				17:00	Integrating State-of-the-Art In Situ Bioprinting Technologies for Complex Tissue Reconstruction	Gabriele Maria Fortunato
				17:30	Design and construction of a 3D Bioprinter with an integrated superficial quality sensor for printed scaffolds.	Felipe Mateus Franco
				18:10	Reducing Anisotropy in Bone-surrogate P.L.A. Implants through Multi-Axis 3D Printing	Edgar Martinez Huanacha
				18:30	Injectable Stimuli-Responsive Amphiphilic Hydrogel for Rapid Hemostasis, Tissue Adhesion, and Controlled Drug Delivery	Felipe Mateus Franco
D	Rectoria 2 Wednesday, Nov. 4	01 Biaterials, Hydrogels, and Bioinks	Macroporous Biomaterials for Biofabrication 1	18:50	A Hand-Held Bioprep Enables High-Throughput and Morphology-Controlled Fabrication of Lymphatic Vessels/Tumoroids	Arvind K. Singh Chandel
				19:10	In-situ 3D reconstruction and non-planar trajectory generation for colorectal bioprinting	Kara Van Zyl
				19:30	Keynote: Ultra-High-Resolution Holographic Optical Tweezing Bioprinting (iHTB): Spatial Light Modulation for Unprecedented Control of Cellular Organization in Complex Tissue Microphysiology	Carmelo De Maria
				10:00	Intracellular 3D printing	Daniel Nieto
				10:30	Red-Light Tomographic Volumetric 3D Printing in Seconds for Fabrication of Colorless Structures	Liang Ma
D	Carreta Wednesday, Nov. 4	02 Advanced Bioprinting Technologies & Manufacturing Strategies	Pushing the Boundaries of Biofabrication through Hybrid Manufacturing 1	10:50	Volumetric bioprinting of a perfusable tumor model for advanced drug screening applications	Ali Elkhakhi
				11:10	3D Optical Fiber Assisted Bioprinting: a novel light-based 3d bioprinting system for printing high cell concentration and opaque materials	Nadina A Usoglio
				11:30	Engineering Tumor Microenvironments: Bioprinted Hydrogels in Breast Cancer Research	Martina Uvo Pfeiffer
				10:00	Keynote: Multifunctional Shape Memory Polymer Foams for Traumatic Wound Hemorrhage Control and Healing	Helen Holde-Pfeiff
				10:30	4D printing of responsive gelatin-based granular hydrogels	Alis Tamayol
D	Business Intelligence Wednesday, Nov. 4	04 Vascularization, Microphysiological Systems & Disease Models	New Approach Methodologies and the 3R Concept 1	10:50	Enhancing the Stability of Albumin Foam Support Dishes with Xanthan Gum for Embedded Bioprinting	Marcela Fernandes
				11:10	Microfluidic 3D bioprinting of hierarchical macroporous scaffolds with tailored architecture and composition	Ali Alnadi
				11:30	Macroporous Gelatin-based Microgel Bioinks with Tunable Mechanics for Engineering Biomimetic 3D Cell Microenvironments	Min-Hsuan Lin
				11:50		
				10:00	Keynote: Strategies for the Hybridization of Melt Electrowriting and Melt Electrospinning with Extrusion-Based (Bioprinting)	Max von Witzleben
D	Rectoria 1 (Sala Mayor) Wednesday, Nov. 4	04 Vascularization, Microphysiological Systems & Disease Models	Biofabrication for Oral Tissue Regeneration	10:30	Volumetrically Printed Porous Hydrogels as Tissue-Mimetic Platforms for Ultrasound-Enhanced Drug Delivery	Julia Stanny
				10:50	Toward MEW-assisted multi-material biofabrication of hierarchically organized osteochondral constructs	Nagar Shetty
				11:10	3D bone printing via printed differentiation of stem cells with ultrasound (3DBoneUS)	Martina Manzoni
				11:30	Integrating chaotic patterning into continuous electrospray yarns for fibrous biomedical constructs	Omar Cano
				11:50	Keynote: Ultra-High-Resolution Holographic Optical Tweezing Bioprinting (iHTB): Spatial Light Modulation for Unprecedented Control of Cellular Organization in Complex Tissue Microphysiology	Sabarinath Senthil Kumar
D	Venture Café Wednesday, Nov. 4	05 Community Building	Biofabrication for Oral Tissue Regeneration	10:00	Keynote: Tuning Hydroxyapatite Content in DLP-Based Resins for Oral Bone Regeneration	Alberto Orto
				10:30	Correlative CT-Enhanced Micro-CT for 3D Imaging of Oral Hard-Soft Tissue Interfaces and Vascularization	Torben Eickelbrecht
				10:50	Bioprinted Oral Mucosa Model for Cytotoxicity Assessment of 3D Printed Dental Base Resin	Amanda Costa Ferro
				11:10	Cuplatin-Conjugated Iron-Doped Zinc Oxide Nanoparticles as Functional Biomaterials for Enhanced Therapeutic Response in Oral Squamous Cell Carcinoma Models	Rijna Khan
				11:30		
E	Rectoria 2	01 Biaterials, Hydrogels, and Bioinks	Advanced 3D and 4D Bioprinting Strategies for Engineering Biomimetic, Vascularized Tissues 1	10:00	Keynote: 3D Bioprinting of Vascularized Tissue Flaps	Shulamit Levenberg
				10:30	Keynote: Autonomous Hybrid Bioprinting of Vascularized Tissues and Soft Bioelectronics	Yanliang Zhang
				11:10	Hybrid bioprinting of biomimetic vascular networks	Reinaldo Levento
				11:30	3D-Bioprinted Conductive Cardiac patches with Integrated Vascularization and Anisotropic Architecture for the Post-MI Treatment	Salvador Gallegos-Martinez
				12:00	4D Printing of Vascularized Cardiac Tissues with Selective Fast-Shrinking Capillaries	Fang Zhou
E	Business Intelligence Wednesday, Nov. 4	04 Vascularization, Microphysiological Systems & Disease Models	New Approach Methodologies and the 3R Concept 1	12:20	Toward MEW-assisted multi-material biofabrication of hierarchically organized osteochondral constructs	Ester Sager Haruch
				12:40	Artificial capillaries-on-a-chip with modular control over lumen size, architecture, in situ modifications and co-culture conditions	Pratik Sonam
				12:50	Self-Driving Multimaterial Bioprinting of Human Vascularized Models from Isogenic Vascularized Cardiac Microtissues and Endothelium	Candé Dikoyl
				10:00	Keynote: High-Throughput Biofabrication of Vascularized Organoids for AI-Driven Drug Discovery	Nos Li Jon
				10:30	Biofabrication of human 3D neuromuscular microenvironment to study cancer-associated cachexia	Stella Monasterio
E	Venture Café Wednesday, Nov. 4	05 Community Building	New Approach Methodologies and the 3R Concept 1	10:50	Integrating multimaterial chaotic bioprinting with 3D-printed multi-scale organ-on-chip systems to engineer and sustain perfused, microvesselized tumor niches	Mario M. Alvarez
				11:10	A Foreign Body Response-on-Chip for evaluation of safety and immunocompatibility of new biomaterials	Amir Ghazemaghani
				11:30	A Recoverable Lung-on-a-Chip Platform for RNA-based Therapeutic Screening	Danesh Kulkarni
				11:50	Anisotropic Fiber-Guided Migration Model for In Vitro Glutathione Studies and Drug Screening	Maya Katschker
				12:10		

[illegible]

H	Rectoría 1 (Sala mayor) Thursday, Nov. 5	04 Vascularization, Microphysiological Systems & Disease Models	Bioprinting Vascularized Tissue Constructs 1	17:00 17:30 18:00 18:20 18:40 19:00 19:20 19:40 20:00 20:30 21:00 21:30 22:00 22:30 23:00 23:30 24:00 Keynote: Bioprinting of vascularized constructs via light-based layerwise and volumetric technologies Keynote: 3D printing of complex vascularized tissues From avascular constructs to living tissue: engineering vascularized bioprinted skin The construction of vascularized liver tissue and liver fibrosis model with embedded 3D bioprinting Thermosensitive Hybrid Bioprinting for Mechanically Robust and Vascularized Bone Regeneration Measuring the Dose of Telodier (Conjugated) Growth Factor Ligands to Chaotic Printed, Micro-channelled, Hydrogel Microvascular Appendage Sheets (MAS) Perfusable Bioprinted Liver Constructs via Integration of Organoids and Endothelialized Channels Design of a 3D-printed microvascularized bio-scaffold for high-volume fat graft retention Keynote: Human derived protein and decellularized extracellular matrix biomaterials for 3D-cell culture platforms in tissue engineering and disease modelling Keynote: Biosinks and biosinks doped with decellularized extracellular matrix extracts to spatially control microvascular networks formation in bioprinted constructs Keynote: ECM State-Dependent Transport Governs Cellular Organization: A Preservation-Based dECM Framework from Fluid to Solid Matrices Multifunctional dECM-derived Scaffold for Second-Degree Burn Wound Healing Green routes to sustainable keratin extraction and preparation of biomaterials for wound healing Decellularized Extracellular Matrix Based Hydrogel Systems for Treating Different Wounds Building an Open-Source Rheodialysis Community for Biofabrication: Real-Time Coupling of Chemical Exchange and Rheological Characterization Modular Environmental Control Chamber for Retrofitting a Prusa i3 into a Low-Cost Bioprinting Platform Modular adaptation of consumer-grade 3D printers for dual-mode thermoplastic and hydrogel bioprinting Building Bioprinting Hubs in Resource-Limited Settings From Slicing to Toolpath Design: A Workflow for Hybrid Biofabrication Design and construction of an open-source, low-cost bioprinter featuring a flexible design meant for future user customization Development of a low-cost fluorescent imaging technique for continuous real-time monitoring of vascular perfusion in human tissue or engineered bio-materials Keynote: Biofabricated natural-based structures that came in from the cold Bi-layered biomimetic flap for urethral reconstruction FROM ICE TEMPLATING TO CRYOPRESERVATION: DIRECTIONAL FREEZING AS A TOOL TO CONTROL THE CELLULAR FREEZING MICROENVIRONMENT ENGINEERING MACROPOROUS ELECTROACTIVE BIOMATERIALS AS PLATFORMS TO STUDY THE BIOELECTRIC CODE IN OSTEOIMMUNOLOGY Anisotropic PVA-Based Hydrogels Toward Mechanically Functional Arterial Tissue Models	Ricardo Levato Tal Dvir Adrian Perez Barreto Liang Ma Majid Machour David Dem Jagoda Litwinczenko-Cybulska Lara Letnic João Mano Ricardo Levato Peter Coridon kamaldeep S S Amrita Das Shahar Hassan Sadrina Knapert Dominic Orozco-Salgado J. Adán López-Castro Reem Hernández-Rico Lukas Weber Aidan MacAdam Seng Salih João Mano Isabelle Mariniar Natalia Ota Silva Aníbal de Laporte Ulises A Arequeita Robles
I	Rectoría 2 Friday, Nov. 6	01 Biomaterials, Hydrogels, and Biosinks	Decellularized Tissues: Development and Applications in Wound Healing		
I	Venture Caf Friday, Nov. 6	05 Community Building	Education, Democratization, and Outreach		
I	Rectoría 1 (Sala mayor) Friday, Nov. 6	02 Advanced Bioprinting Technologies & Manufacturing Strategies	Cryofabrication and Ice-Templated Biomaterials	10:00 10:30 10:50 11:10 11:30 11:50 12:00 12:30 13:00 13:30 Keynote: Biofabricated Unconventional Scaffolds for Bone Tissue Engineering 2D Bioprinted Metal Implants - Plasma-Assisted Controlled Post-Processing for Tissue Integration Hybrid Biofabrication of a Multiscale Osteochondral Interface Model Using Fibrous Scaffolds and Methacrylated Hyaluronic Acid Hydrogels Flip-scaffold technique with biomimetic MEW/MEF fibers to recapitulate the arcade architecture of cartilage A functional atlas of chondrocyte sources for cartilage biofabrication ASSOCIATION OF THREE-DIMENSIONAL SPHEROIDS OF HUMAN ADIPOSE TISSUE STROMAL CELLS WITH NANOSTRUCTURED CARBONATED HYDROXYAPATITE FOR BONE BIOENGINEERING Keynote: Engineering human in vitro models toward functional and cell-dense tissue architectures Direct cell writing for rapid formation of cell-dense constructs Assembly and Characterization of a Modular Liver-on-a-Chip System using small-diameter and hepatocyte-laden electropolymerized microcapsules A 3D model to study Alzheimer's disease metabolic risk factors Microenvironmental regulation for cell-dense neurovascular biofabrication Geometrically Tunable Scaffold-Free Cell-Dense Muscle Bioconstructs via Modular Biofabrication for Functional Tissue Engineering	Golden Camci-Unal Dimitri Bozdogan Edvinas Kruglys Mohammad Jouybar Philipp Fisch Bianca Montenegro Mian Wang Megan Farnes Rafael Ramos Raúl Loera-Valencia Wenhu Li Bhagya Ayan
I	Curtea Friday, Nov. 6	03 Tissue-Specific & Organ-Oriented Biofabrication	Biofabrication for Bone, Joint, and Musculoskeletal Interface Engineering 2		
I	Auditorio Expedition Friday, Nov. 6	06 Biofabrication for Emerging Applications	Cell-Dense Biofabrication for Functional Living Tissues		