Poster No.	Track	Date	Symposium	Title	Presenting
TU1	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Temperature-assisted extrusion of alginate–keratin bioinks for support-free 3D bioprinting	Mikołaj Gąbka
TU2	1		Macroporous Biomaterials for Biofabrication: Foam-Based and Granular Scaffolds	The Response of Monocytes to Spatial Patterns of Lectin-Binding Polysaccharides in Granular Microgels	Joseph Bathe
TU3	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Optimization of carrageenan-chitosan scaffolds to improve spreading cell in biofabricated films	Nadia Vázquez-Torres
TU4	1		Novel Hydrogels and Bioinks from Natural Sources	T lymphocytes from melanoma mice treated with a Ge/HA scaffold coupled XCL-I, IFN-I, and MAGE-A5.	Enrique Vergara-Escobar
TU5	1		Novel Hydrogels and Bioinks from Natural Sources	Cytokines produced by splenocytes of mice with melanoma treated with GE/HA scaffolds coupled to XCL-1, MAGE-A5 and IFN-α.	Abeyamí Fuentes-Benitez
TU6	1		Adaptive Matrices: Engineering Next-Generation Hydrogels for Tissue and Disease Modeling	Determining Cellular Injury Thresholds in Full-Scale Blunt Impacts with a Cerebral Organoid-on-a-Chip	Anthony Baker
TU7	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Engineering Human 3D Cardiac Tissues for Predictive Functional Drug Screening	Ester-Sapir Baruch
TU8	1		Novel Hydrogels and Bioinks from Natural Sources	Construction of a hydrogel from decellularized corneas	Diego Yael Curiel
TU9	1		Novel Hydrogels and Bioinks from Natural Sources	Genipin-Crosslinked Chitosan/PVA Hydrogels with Photoresponsive Behavior	Itzel Garnica-Palafox
TU10	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	QMatrix: A Human-Derived, Animal-Free Extracellular Matrix Produced by 3D Biofabrication Displays Dual-Tissue Regenerative Performance in Dermal and Bone Applications	Kamila Leichtweis
TU11	1		Macroporous Biomaterials for Biofabrication: Foam-Based and Granular Scaffolds	GelMA/HAMA hybrid granular scaffold as potential wound dressing for tissue regeneration	Fernanda Peixoto
TU12	1		Adaptive Matrices: Engineering Next-Generation Hydrogels for Tissue and Disease Modeling	Pyridone–AMP Conjugates in Biopolymeric Hydrogels: A Tunable ROS-Driven as possible Strategy Against Biofilm Associated Chronic Wounds	Pablo Barrias
TU13	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Multistage optimization of hybrid bioinks for dental biofabrication: linking composition, rheology, and printability in nano hydroxyapatite-nano cellulose reinforced alginate-GelMA systems.	Isabel Ferreto
TU14	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	pH-Mediated Modulation of GelMA Functionalization: Balancing Photocrosslinking Efficiency and Cytocompatibility in Pancreatic Tumor Bioinks	Alicia Bonilla Vázquez
TU15	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Rheological Optimization of Acellular Nanohydroxyapatite-Based Bioinks for Bone Tissue Regeneration	Carla Gómez
TU16	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	10 mm Thick Birth Tissue-derived dECM Scaffolds with Interconnected Microporosity Enable Large-scale Tissue Engineering	Sandra Hlabano
TU17	1	**Tuesday, Nov. 3**	Adaptive Matrices: Engineering Next-Generation Hydrogels for Tissue and Disease Modeling	Engineered PVA/Gelatin/Citric Acid Fibrous Hydrogels with Dual-Stage Mechanical Control for Modeling Breast Cancer Progression	Estefanía Paz-Hernández
TU18	1		Macroporous Biomaterials for Biofabrication: Foam-Based and Granular Scaffolds	GRANULAR METHACRYLATED GELATIN AND ALGINATE HYDROGELS FOR SPHEROID SUPPORT	Isabelle Diederichs
TU19	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Clinical translation of photosynthetic biomaterials for treating acute and chronic human wounds: Safety, feasibility, and early evidence of efficacy.	Felipe Carvajal
TU20	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Production of alginate from industrial pineapple by-products with Azotobacter vinelandii for the creation of hydrogels	Erick Chavarría-Campos
TU21	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Design of a GelMA-Alginate/PEGDA hydrogel for 3D Bioprinting applications	A. Areli Alvarez-Ruiz
TU22	1		Macroporous Biomaterials for Biofabrication: Foam-Based and Granular Scaffolds	Fabrication of Elastic 3D Macroporous Scaffolds with Tunable Mechanical Properties for Bone Tissue Regeneration	yogendra Singh
TU23	1		Novel Hydrogels and Bioinks from Natural Sources	bFGF-Loaded Hydrogel Based on Dialdehyde Bacterial Nanocellulose and Hyaluronic Acid via Passerini Multicomponent Reaction for Wound Healing	Seyyed Emad Hooshmand
TU24	1		Novel Hydrogels and Bioinks from Natural Sources	Pineapple derived methacrylated nanocellulose to develop photocrosslinkable bioinks	Melissa Torres-Vega
TU25	1		Adaptive Matrices: Engineering Next-Generation Hydrogels for Tissue and Disease Modeling	Incorporation of nanoparticles into GelMA and alginate matrices to obtain pH-sensitive smart materials via chaotic printing and electrospinning	Sofia Salazar-Bigott
TU26	1		Novel Hydrogels and Bioinks from Natural Sources	Preparation, characterization and evaluation of biomateriales based on pectin and chitosan for applications in tissue engineering	Daniel Voltattorni
TU27	1		Adaptive Matrices: Engineering Next-Generation Hydrogels for Tissue and Disease Modeling	3D bioprinting workflow for a human skin tissue model to mimic scleroderma.	Giulia Vigato
TU28	1		Novel Hydrogels and Bioinks from Natural Sources	Design, fabrication and comprehensive testing of biodegradable 3D printable hybrid polymer airway splints	Sonali Naik
TU29	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Development of a new potential hybrid hydrogel (collagen I - chitosan - hyaluronic acid - carbonated nanohydroxyapatite - genipin) for bone tissue engineering applications	Katiucia Paiva
TU30	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Optimization of gelatin-alginate hydrogels for 3D bioprinting of human adipose-derived stromal/stem cell (ASC) spheroids	Larissa Resende-Vieira
TU31	1		Adaptive Matrices: Engineering Next-Generation Hydrogels for Tissue and Disease Modeling	Patient-Specific 3D Bioprinted Aortic Model Using iPSC-Derived Vascular Cells for In Vitro Drug Screening and Medical Device Validation	Federica Potere
TU32	1		Hydrogels and Bioinks for Advanced and Translational Biofabrication	Engineering hydrogels to control the mechanical response of curved epithelial tissu	marine luciano
WE1	2		Frontiers in FRESH and Embedded 3D Bioprinting	Engineering Aligned, Multilayered Cardiac Tissue Using FRESH 3D Bioprinting	Mariana Guzman Seda
WE2	2		Engineering Complex Tissues Through Multimaterial Biofabrication	Chaotic bioprinting of a membrane-less intestinal epithelium model for bacteria-host interactions	Ariel Cantoral-Sánchez
WE3	2		Advanced 3D and 4D Bioprinting Strategies for Engineering Biomimetic, Vascularized Tissues	4D bioprinting of photo-curable polymers for the fabrication of self-folding structures	Irene Chiesa
WE4	2		Pushing the Boundaries of Biofabrication through the Hybridization of Novel Manufacturing Techniques	Hot melt extrusion of elastic thermoplastic polyurethane filaments for 3D printing of soft tissue scaffolds	Jakub Knap-Wardzyński
WE5	3		Biofabrication of Soft Tissues	Sustainable cellulose nanofibrils as ultrasound-driven piezoelectric interfaces for wireless neuromodulation	Kjeld Kaj Klompmaker
WE6	3		Biofabrication of Soft Tissues	Additive Development of Induced Printable Lipid Adipocyte Biomaterials	Paola Ginestra
WE7	3		Biofabrication of Soft Tissues	Composite Chitosan Membranes with MEW Reinforcements and Microstructures for Corneal Regeneration	GIZEM KARABIYIK
WE8	3		Biofabrication for Bone, Joint, and Musculoskeletal Interface Engineering	Biphasic Melt Electrowritten Scaffolds for Osteotendinous Interface Engineering	Taufiq Ahmad
WE9	3		Biofabrication for Bone, Joint, and Musculoskeletal Interface Engineering	New mini-bone models to study mechanical defects in Paget's disease of bone within multi-lineage bone cell networks	Martina Marcotulli
WE10	3		Biofabrication Strategies for Cardiovascular Applications	A Comprehensive Pipeline for Tissue-Engineered Vascular Grafts: Cell Isolation, Bioprinting, and Dynamic Cultivation	Nils Stanislawski
WE11	3		Biofabrication of Soft Tissues	Application of Fibrin-Alginate-Agarose-Gelatin–Hyaluronic Acid Hydrogels Seeded with Dermal Fibroblasts as Temporary Dressings in an Experimental Model of Cutaneous Ulcers	Aketzally Meza-Rodríguez
WE12	3		Biofabrication of Soft Tissues	Peptide-engineered biomaterials for blood-contacting cardiovascular implants	Deyanira Hernandez Sanchez
WE13	3		Biofabrication for Bone, Joint, and Musculoskeletal Interface Engineering	Decellularised apple-derived scaffolds as a cellulose-based biomaterial platform for in vitro bone tissue modelling	Xally Valencia Guerrero
WE14	3		Biofabrication Strategies for Cardiovascular Applications	Engineered Heart with Built-In Electronics for Sensing and Regulating Its Function	Itai Cabilly
WE15	3		Biofabrication Strategies for Cardiovascular Applications	Computationally-Guided Fabrication of Personalized Bioprinted Mitral Valve Prostheses via Spatially Optimized Material Mapping	Allison Zhang
WE16			Hydrogels and Bioinks for Advanced and Translational Biofabrication	10 mm Thick Birth Tissue-derived dECM Scaffolds with Interconnected Microporosity Enable Large-scale Tissue Engineering	Sandra Hlabano
WE17	2		Advanced 3D and 4D Bioprinting Strategies for Engineering Biomimetic, Vascularized Tissues	3D Bioprinting of gelatin–alginate scaffolds loaded with zinc oxide nanoparticles for enhanced endothelial cell functionality	Daniel Padilla-Ramos

		Wednesday, Nov. 4			
WE18	3		Biofabrication for Bone, Joint, and Musculoskeletal Interface Engineering	One-Pot Wet-Chemical Synthesis of Nanoengineered Biphasic Calcium Phosphate with Tunable nHAP/β-TCP Composition for Bone Tissue Defect Reconstruction	Ankitha Suresh
WE19	3		Biofabrication for Bone, Joint, and Musculoskeletal Interface Engineering	Macromolecular crowding enhances cell-derived matrix assembly and functional phenotypemaintenance in human tendon models	Yogendra Singh
WE20	2		Pushing the Boundaries of Biofabrication through the Hybridization of Novel Manufacturing Techniques	Biofabrication of Heterogeneous, Multi-Layered, and Human-Scale Tissue Transplants Using Eluting Mold Casting	Enrico Tosoratti
WE21	2		Advanced 3D and 4D Bioprinting Strategies for Engineering Biomimetic, Vascularized Tissues	3D Bioprinted Collagen Capillary Scaffolds For Intra-graft Vascularisation And Retention	Claire Chen
WE22	2		Engineering Complex Tissues Through Multimaterial Biofabrication	Bioinspired and Hierarchical Multi-Tissue Fabrication using Human-Derived Materials	Marcelo Costa
WE23	2		Pushing the Boundaries of Biofabrication through the Hybridization of Novel Manufacturing Techniques	Forced-Air Heating System for Needle Temperature Control in Biomaterial Extrusion-Based 3D Printing Processes	Giuseppe Raffaele
WE24	2		Advanced 3D and 4D Bioprinting Strategies for Engineering Biomimetic, Vascularized Tissues	Design of a 3D-printed, vascularised and human-derived collagen breast implant for autologous breast augmentation	Serag Saleh
WE25	3		Biofabrication of Soft Tissues	Enhancing ACL-like Scaffold Biofabrication through Melt Electrowriting Integration in a Triphasic Anatomical Construct	Simone Micalizzi
WE26	3		Biofabrication of Soft Tissues	Evaluation of the Biocompatibility and Stability of Fibrin/Alginate–Agarose/Gelatin–Hyaluronic Acid Hydrogels Implanted Intradermally	Pamela Martínez-Vanegas
WE27	3		Biofabrication Strategies for Cardiovascular Applications	Hemodynamic changes during orthostatic challenge and recovery differentiate Ehlers-Danlos Syndrome from Hyperadrenergic POTS"	Ximena Cruz-Chavarria
WE28	3		Biofabrication of Soft Tissues	Two Challenges, One Solution: Engineering Hybrid Hydrogel For Cartilage Regeneration	Shreya Pande
WE29	3		Biofabrication for Bone, Joint, and Musculoskeletal Interface Engineering	Bioactive Gelatin-Hyaluronic Acid (Ge-AH) Scaffold with Secretome from IL-17-Stimulated WJ-MSCs for Bone Regeneration	Dayana Domínguez-Diaz
WE30	3		Biofabrication of Soft Tissues	Development of a 3D-bilayered skin construct/organoid for the ex-vivo assessment of scar physiology and cutaneous drug interactions	Serag Saleh
WE31	3		Biofabrication of Soft Tissues	A Biofabrication Strategy for Transparent and Hydrated Hybrid Films in Corneal Stromal Regeneration	Amin Orash Mahmoudsalehi
WE32	3		Biofabrication for Bone, Joint, and Musculoskeletal Interface Engineering	BIOPRINTED MICROMOLD-GUIDED SPHEROID FUSION FOR GENERATING PRE-ORGANIZED CONSTRUCTS TOWARD ENDOCHONDRAL BONE REGENERATION	Larissa Fontes
TH1	4		Biofabrication of Complex Cancer Models via Bioprinting, Organoid Assemblies, and Organs-on-Chip	Modelling Melanoma Progression in 3D: Bioprinting Reveals the Antitumoral Potential of Violacein	Sophia Baptista
TH2	4		Biofabrication of Complex Cancer Models via Bioprinting, Organoid Assemblies, and Organs-on-Chip	Engineering cholangiocarcinoma model via chaotic bioprinting	Desiree Baruffaldi
TH3	4		Biofabrication of Complex Cancer Models via Bioprinting, Organoid Assemblies, and Organs-on-Chip	Chaotically Bioprinted Fibers in a Dynamic Tumor-on-a-Chip Platform for Evaluation of Stromal-Mediated Chemoresistance	Ludivina Bermea Jimenez
TH4			Organoid and Stem Cell-based Biofabrication	Toward Scalable Expansion of Human Mesenchymal Stem Cells Using Chaotic 3D-Bioprinted High–Surface-Area Culture Systems	Mauricio Zavala-Campos
TH5	5		Biofabrication of Food	Edible Crosslinking Strategies Applied to a Novel Protein-Based Hydrogel for Cultivated Meat Applications	Sofia Madrigal Gamboa
TH6	4		Bioprinting Vascularized Tissue Constructs	3D Bioprinting of Elastic Macro-Vessel Networks within Multi-Layered Tissue Flaps	Tom Blechman
TH7	4		Bioprinting Vascularized Tissue Constructs	Scalable Flow-Based Production of Granular Hydrogel Support Baths for Embedded Bioprinting of Complex Vasculature	Cameron Beaney
TH8	4	**Thursday, Nov.5**	Biofabrication of Complex Cancer Models via Bioprinting, Organoid Assemblies, and Organs-on-Chip	Design and Manufacturing Strategy to Evaluate Tumor Invasion Dynamics in Metastasis-on-a-Chip Systems	Javier Tuesta-Guzmán
TH9	4		Biofabrication of Complex Cancer Models via Bioprinting, Organoid Assemblies, and Organs-on-Chip	Chaotic Bioprinting Enables Spatially Controlled Tri-Culture Tumor Microenvironments with Distinct Cellular Interactions	Mariana García-Ortega
TH10	4		New Approach Methodologies and the 3R concept: Biofabrication of Non-Animal Screening Platforms	A High-Throughput Perfusable Platform for Generating Vascularized Tissues and Conducting Pharmacological Studies	Maya Yaakov
TH11	4		Biofabrication of Complex Cancer Models via Bioprinting, Organoid Assemblies, and Organs-on-Chip	Patient-derived tumor dECM–based 3D Bio-Printed Breast Cancer Model for predictive drug testing	Samyak Jain
TH12	4		New Approach Methodologies and the 3R concept: Biofabrication of Non-Animal Screening Platforms	A Multicompartment Biofabricated Colon-on-a-Chip Platform for Modeling Host–Microbiota–Parasite Interactions	ENRIQUE GONZALEZ RIVAS
TH13	4		Bioprinting Vascularized Tissue Constructs	8. Development of Personalised and Bio-Integratable 3D-Printed Facial Prostheses for Aesthetic, Reconstructive and Gender-Affirming Applications. P	Serag Saleh
TH14	4		Biofabrication of Complex Cancer Models via Bioprinting, Organoid Assemblies, and Organs-on-Chip	Biofabrication of a Colorectal Cancer Tumor Model Using White Light Volumetric Additive Manufacturing.	Fernando Miranda-Romo
FR1	5		Biofabrication of Food	Edible Crosslinking Strategies Applied to a Novel Protein-Based Hydrogel for Cultivated Meat Applications	Sofia Madrigal Gamboa
FR2	5		Integrating Machine Learning and AI for Next-Generation Biofabrication: Perspectives from Industry and Academia	Scale without compromise: High-throughput production of uniform biopolymer microgels with AI-assisted quality control	Gregor Miklosic
FR3	5		Biofabrication of Food	Towards Long-Term Culture of Lobster Muscle-Derived Cells in 3D Systems	Jesus Rolando Delgado Balderas
FR4	5		Integrating Machine Learning and AI for Next-Generation Biofabrication: Perspectives from Industry and Academia	Accelerating Translational Impact of Light-Driven Processes for Biomanufacturing Soft Materials	Fernanda Sanchez-Salas
FR5	5		Integrating Machine Learning and AI for Next-Generation Biofabrication: Perspectives from Industry and Academia	High Precision Automation Platform for Tissue Culture	Karen Shen
FR6	6	**Friday, Nov. 6**	Education, democratization, and outreach in the context of Biofabrication	"Inequality in Access to Health Innovation: Structural Barriers in Emerging Economies"	Livier González Morales
FR7	6		Education, democratization, and outreach in the context of Biofabrication	Democratizing Biofabrication: A Translational Framework for Personalized 3D-Bioprinted Skin Dressings in Public Healthcare	Karina Rodrigues
FR8	5		Biofabrication of Food	Electro-Modulated Foaming and Expansion-Decompression Drying of Commercial Maize Starches.	Julian de la Rosa-Millan
FR9	5		Biofabrication for Controlled Release and Bioactive Compounds Delivery	Analysis of cDC1 from mice with melanoma treated with a Ge/HA scaffold coupled to XCL-1, IFN-α and MAGE-A5.	Dulce García-Hernández
FR10	5		Biofabrication of Food	Electrospun Zein Scaffolds: Solvent Window Optimization for Cultured Meat	
FR11	5		Programming Hybrid Living–Synthetic Materials for Biofabrication Across Scales	Nanostructured Microfluidic Platform for Electrochemical-Based Detection of Cancer-Derived Extracellular Vesicles	Rina Ortiz
FR12	5		Interdisciplinary / Emerging Concepts (for submissions not clearly aligned with a specific Symposium)	Validation of an ex-vivo protocol for the perfusion of human tissue using extracorporeal membrane oxygenation	Serag Saleh
FR13	6		ISBF Early Career Researchers Symposium	Engineering Bioactive Heparin-Conjugated Fibrin Hydrogels for Sustained Growth Factor Delivery and 3D Cell Compatibility	Silindile Ngcobo