Poster Discussion

Session Poster Discussion 1

Day 2 **Nov. 11 (Mon)**

Time 17:30-18:30
Location Poster & Exhibition Room

Zone 1

*Rapid Fire Talk

Presentation No	*Presenter*	*Title*
P1-01*	Max Yavitt	Bioassembly of 3D in vitro Spheroid Models for Investigating Tissue Fusion in Healthy and Diseased Cartilage
P1-02*	Simon Sayer	Biofabrication of a perfusable tumor-on-a-chip model enabled by in situ high-resolution 3D printing
P1-03*	Lucia G. Brunel	Magnetized 3D bioprinting to fabricate neural assembloids
P1-04*	Sara Grasselli	Chitosan: a Versatile Material to Support hiPSCs Neuronal Induction in 2D and 3D
P1-05*	Aurélien Mazet	Bioprinting early-stage pancreatic cancer models: a new tool to decipher tumor initiation mechanisms
P1-06*	Anja Lode	3D bioprinting of bacteriophage-loaded hydrogels for treatment and prevention of bacterial infections
P1-07*	Giorgia Montalbano	Smart fibres and scaffolds in Tissue Regeneration and Biomarker Detection
P1-08*	Philipp Fisch	Tissue engineered calcified and hyaline cartilage anchored into a 3D printed trabecular bone bioceramic for the treatment of osteochondral defects
P1-09*	Sumit Murab	Direct 3D-printed decellularized matrix embedded composite polycaprolactone scaffolds for treatment of osteochondral defects in Porcine Model
P1-10*	Ming-You Shie	High-yield Extracellular Vesicle Production from HEK293T Cells-laden 3D Auxetic Scaffolds with Cyclic Mechanical Stimulation
P1-11	Lucia G. Brunel	3D bioprinting of corneal cell-laden inks as bioengineered corneal substitutes
P1-12	Donatella Di Lisa	Advanced functional 3D bioprinted brain tissue model
P1-13	Seunghun S. Lee	Assemblable 3D-Printed Scaffold as Versatile Microgel Carrier for Site-Specific Regenerative Medicine
P1-14	Andrea Andolfi	Chitosan Ink functionalized with gold nanoparticles for 2D and 3D Biofabrication in Neural Tissue Engineering

Presentation No	Presenter	Title
P1-15	Hiromu Yoshizato	Scaffold-free 3D osteogenic construct composed of human bone marrow-derived mesenchymal stem cells and human umbilical vein endothelial cells.
P1-16	Anna Rederer	Biofabrication of an artificial glomerular filtration barrier
P1-17	Anna Rederer	Effects of 3D microenvironment and incorporation of biofabricated fibers into glomerular spheroids
P1-18	Simona Villata	3D in vitro skin model as platform to test an innovative and green cotton-based disinfection strategy
P1-19	Simona Villata	3D in vitro skin model as standardized and broadly available platform for antibacterial therapies
P1-20	Lucía Celada	Exploring 3D in vitro cancer models: different approaches using hydrogels and bioprinting tools
P1-21	Nele Pien	From Structure to Function: How Polymeric Reinforcements Shape Vascular Wall Models
P1-22	Tatsuto Kageyama	Hair follicle organoids for regenerative medicine and drug screening
P1-23	Ashfaq Ahmad	High-Throughput Bioprinting of Vascular Channels for Vascular Permeability Modeling in Standard 6-Well Plate
P1-24	Yeonjin Hong	Simplified Manufacturing Method for Vascularized Skeletal Muscle-on-a-Chip
P1-25	Alessandro Polini	A compartmentalized organ-on-a-chip device for the study of interactions between human iPSC-derived motor neurons and Schwann cells in physiology and ALS pathology
P1-26	Nima Tabatabaei Rezaei	3D Bioprinting of Muscle Tissue Using Amino Acid Induced GelMA: A Bioactive Scaffold

Zone 2

*Rapid Fire Talk

Presentation No	Presenter	Title
P1-27	Joeng Ju Kim	Development of a 3D Bioprinted Retina-On-a-Chip and Its Utilization in Retinal Vascular Disorders
P1-28	Gabriele Maria Fortunato	A novel biomimetic eye in vitro model to mimic blood-retinal barrier pathophysiology and study drugs kinetics
P1-29	Sonja Katharina Schmidt	Biofabricated models as a robust platform to study the function of Transcription factor activating enhancer-binding protein 2ε (AP2ε) in the plasticity of malignant melanoma
P1-30	Carolin Eckert	Blending alginate and cellulose as a Bioink: A Promising Approach for Modeling Stroma and Effects of the Microenvironment on Tumor Cells

Presentation No	Presenter	Title
P1-31	Adriana Teixeira do Nascimento	Wired for Success: Optimizing Cell Viability on Tissue-Engineered Neural Interfaces under Electrical Stimulation
P1-32	Seo-Yeon Kim	Utilizing Photo-Induced Crosslinking of Unmodified Protein Technology for Tissue-Specific Bioinks in 3D Bioprinting
P1-33	Withdraw	
P1-34	Hyeon Song Lee	Development of tumor microenvironment (TME) mimicking 3D coculture platform inducing normal fibroblasts into cancer associated fibroblasts (CAF)
P1-35	Tessa van Haaften	Extrusion-based method for the formation of mature muscle fibers
P1-36	Xuen Jen Ng	Application of non-cytotoxic and non-immunogenic recombinant spider silk proteins in tissue engineering
P1-37	Deepa Tamang	Development and Evaluation of Alginate-Based Bioink for 3D Bioprinting
P1-38	Hoejun Han	Therapeutic Potential of Octopus ECM derived EVs for Neurodegenerative diseases through neuroinflammation inhibition
P1-39	HaoTian Harvey Shi	Development of a Novel Biosensor-Integrated Blood-Brain Barrier (BBB) device for Measuring Trans-endothelial Electrical Resistance (TEER)
P1-40	Shan Tu	In Vitro Hair Follicle Models: A New Approach to Hair Graying Research
P1-41	Carlos Mota	Coaxial Bioprinting for Kidney Organoid Creation
P1-42	Carlos Mota	Encapsulation of kidney organoids into natural-based supporting matrix influences the differentiation outcome
P1-43	Carlos Mota	Spheroid Bioengineering: Enhancing vascularization, bone and cartilage formation in bioprinted constructs
P1-44	ChenWei Chiang	Development of a Vascularized Liver-on-a Chip Platform for Liver Tissue Engineering
P1-45	Hugo Oliveira	3D Bioprinted Breast Cancer Model Elucidates Stroma-Induced Extracellular Matrix Remodeling and Radiotherapy Resistance
P1-46	Gianluca Ciardelli	Custom-made poly(urethane)s for melt extrusion additive manufacturing: investigation of the effect of material composition and synthesis protocol on processability
P1-47	Michael Bartolf-Kopp	Converging additive manufacturing technologies to recreate vascular systems

Zone 3

*Rapid Fire Talk

Presentation No	Presenter	Title
P1-48	Linda M Peters	Developing an invitro 3D cancer cell model to study the effects of Selenium supplementation on gene expression
P1-49	xixi wu	Quantum Sensing Unravels Antioxidant Efficacy within Proposed PCL/Matrigel Skin Equivalents
P1-50	Manuele Gori	3D bioprinted human skin tissue model to study scleroderma
P1-51	Lei Yan	Spontaneous accumulation of dermal papilla cells inspired a multi-layer culture that can promote its hair inductive ability
P1-52	Markus Lunzer	Thrombogenicity Prevention via Micropattering: Design and Fabrication of a Microfluidic Test Assay for Blood-Surface Interaction Combining 2-Photon Polymerization and Nanoimprint Lithography
P1-53	Laura Modica de Mohac	Decellularized cardiac patch for cardiovascular repair: Comparative assessment of glutaraldehyde and photo-oxidation crosslinking with fixation-free processing
P1-54	Federica Cosentino	Optimizing Ring Frequency in Esophageal Grafts: Finite Element Analysis for Enhanced Structural Support and Stability
P1-55	Betty Cai	3D Printing of Bilayer Nerve Conduits for the Controlled Delivery of a Hedgehog Pathway Modulator
P1-56	Dongxu Ke	Extrusion-based 3D bioprinting from bench to bedside applications in bone tissue engineering using platelet rich plasma and scaffolding materials
P1-57	Carmelo De Maria	A 4D printed self-folding neural tube in vitro model to study brain development in the embryo
P1-58	Yeong-Jin Choi	Skeletal Muscle Bioprinting with Tailored Peptide-Loaded Bioinks and photo-Induced Crosslinking of Unmodified Proteins
P1-59	Rory Gibney	Multi-phase melt electrowritten scaffolds for the repair of an osteochondral defect repair in a large animal model
P1-60	Wei-Rong Yin	Effects of tannic acid on liver function in a small hepatocyte–based detachable microfluidic platform
P1-61	Min-Hua Yu	Development of bio-ink incorporating biofunctional ions-stimulated ADSC-derived small extracellular vesicles enhance diabetic wound healing
P1-62	Withdraw	
P1-63	Hee-Eun Kim	Enhancing Dermal Fillers: Encapsulated Adipocyte-Based Sheet in Hyaluronic Acid Hydrogel Using Click Chemistry

Presentation No	Presenter	Title
P1-64	Seung Jae Huh	Development of decellularized spheroids incorporating synthetic fibers as multi-functional implantable materials enabling immunomodulation and enhanced angiogenesis
P1-65	Abhishek Motilal Upadhyay	'Smart Hydrogel Bandage: Real-Time Wound Healing with Integrated Monitoring for pH, Temperature, and Healing Status'
P1-66	Yuri Lee	Development of a novel biomaterial-based eye drop solution attenuating dry-eye symptoms and improving corneal cellular regeneration
P1-67	Aleksander Czekanski	Composition and UV Light Effects on pNIPAM–based 4D Printable Hydrogels
P1-68	Aleksander Czekanski	Development of a Free Form Toolpath Generation for Skin Implant Modelling

Session Poster Discussion 2

Day 3 **Nov. 12 (Tue)**

Time 18:00-19:00
Location Poster & Exhibition Room

Zone 1

*Rapid Fire Talk

Presentation No	Presenter	Title
P2-01*	Bahattin Koc	Development of Hybrid Scaffolds for Skin Tissue Engineering by Bioprinting Epidermis and Dermis Layers
P2-02*	Ting-You Kuo	Macrophage-derived Extracellular Vesicle Induction by 3D-fabricated Li-doped Calcium Silicate Scaffolds for Immunomodulation and Osteochondral Regeneration
P2-03*	Tomasz Jungst	Introducing Optical Fiber-Assisted Printing (OFAP) as novel bioprinting method: From 2D Photopatterning to 3D Freeform Printing
P2-04*	Adriana Nascimento Teixeira do	A Tissue-Engineered Neural Interface with Photothermal Functionality
P2-05*	Laura Modica	5-Axes Melt-ElectroWriting Platform to Fabricate 3D Bioinspired Fibrous Scaffolds with Controlled Micro and Macro-Architecture
P2-06*	Ke Yao	3D Printing of Tough Hydrogel Scaffolds for Tissue Regeneration
P2-07*	Mario Moisés Alvarez	Achieving Meat-Like Texture in Plant-Based Analogues Through Chaotic 3D Printing
P2-08*	SeoYul Jo	Bioengineered skin-substitutes incorporating rete-ridges using a bioprinting process
P2-09	Melanie Rodger	Single-Step Fabrication of Conductive Hydrogel Network within Highly Porous Insulating Foam using Embedded 3D Printing

Presentation No	Presenter	Title
P2-10*	Meshal A. Alobaid	Drug Delivery using coated gold nanoparticles
P2-11	Keisuke Nakamura	Dynamic granular hydrogels based on reversible host-guest complexes
P2-12	Giovanni Gonnella	Enhancing collagen fibre formation and alignment with a novel supportive bath for 3D (bio)printing of collagen based inks
P2-13	Alessio Amicone	Biomechanical characterization of multi-scale triphasic PCL melt electrowritten scaffolds with PVA gel infiltration for articular cartilage repair
P2-14	Sven Dieter Heilig	Fabricating microfibrillar fiber bundles as cell-guiding additive for bioprinting
P2-15	Kuen Yong Lee	3D Bioprinting of Self-healing Hydrogels with Improved Toughness for Tissue Regeneration
P2-16	Jingjing Wu	Adhesive Implant-Tissue Interface without Fibrous Capsule Formation on Diverse Organs
P2-17	Fengyuan Zhao	Comparison of three different acidic solutions in tendon decellularized extracellular matrix bio-ink fabrication for 3D cell printing.
P2-18	Narintadeach Charoensombut	Fabrication of bioengineered decellularized meniscus (MEND) patch for tympanic membrane repair in chinchilla model
P2-19	Zhencheng Liao	A "Nonsolvent Quenching" Strategy for 3D Printing of Polysaccharide Scaffolds with Immunoregulatory Accuracy
P2-20	Stephan Schandl	Surface Modification of Polyester-based Microscaffolds: Towards the Biofunctionalization in the Third Strategy of Tissue Engineering
P2-21	Chia-Che Ho	Preparation and Charact `erization of lung-derived decellularized extracellular matrix hydrogel for lung tissue engineering
P2-22	Tae-Ha Song	Enhanced Electrospun Nanofibers with Parylene-C Coating for Advanced Tissue Engineering and Biomedical Applications
P2-23	Withdraw	
P2-24	Chiara Scrocciolani	In-Situ Monitoring and Big Data Mining to Support Fully Automated High-Resolution Bioprinting via 2-Photon polymerization
P2-25	SooJung Chae	Development of an engineered skin substitute with an artificially designed basement membrane using a 3D printing process with collagen-fibrinogen bioinks
P2-26	WonWoo Oh	Development of dECM-Based Bioink for Gingival tissue regeneration
P2-27	Baiju Govindan Nair	Development of Bioink for 3D printing using Plant Derived Compounds for Cell Behavior Studies

Zone 2

*Rapid Fire Talk

Presentation No	Presenter	Title
P2-28	Nadina Usseglio	Photochemical corneal cross-linking: Evaluating the potencial of a hand-held biopen
P2-29	Giovanni Zanderigo	Leveraging on a Novel Chitosan Bioink for Cultured Meat Inkjet Bioprinting
P2-30	Jawaher Darweish AlYammahi	3D Printing of ColMA Hydrogel Reinforced with Date Pomace-Derived Nanocellulose for Bone Tissue Engineering
P2-31	Jeanette Weigelt	Tailoring network properties of a bioink solely made of HA-derivates for cartilaginous tissue bioprinting
P2-32	Tianhong Qiao	Organ-scale projection-based 3D bioprinting
P2-33	Yanis Taege	Serial Production of Topographies with Optimized Cell-Material Interaction by Organically-inspired, AI-generated Micro- and Nanosurfaces
P2-34	WonJin Kim	Bioprinting of cardiac patch containing multiple cell types with aligned nanowires for infarcted cardiac tissue regeneration
P2-35	Melanie Rodger	Development of an On-Demand Foaming Printhead for Bioprinting of Constructs with Heterogeneous Porosity
P2-36*	Melanie Rodger	Enhancing the Stability of Foam-based Support Baths using Pectin for Embedded Bioprinting
P2-37	Gizem Karabiyik	Composite Chitosan Membrane as a replacement of amniotic membrane for ocular surface regeneration
P2-38	Yongteng Song Song	Electrospinning/3D printing drug-loaded antibacterial polycaprolactone nanofiber/sodium alginate-gelatin hydrogel bilayer scaffold for skin wound repair
P2-39	Withdraw	
P2-40	Daniel Nieto	Holographic optical tweezers bioprinting (HOTB):Towards precise manipulation of cells for multi-scale vascularized tissues/organ printing
P2-41	Tianhao Chen	Design of multi-model biodegradable brain stimulation electrodes towards activating endogenous neural precursor cells (NPCs)
P2-42	Saksham Handa	Customized 3D-Printed Food based on Alginate-Nanocellulose Edible Ink for enhanced Texture and Colour
P2-43	JaeWook Park	Fabrication and Characterization of a Cell-adhesive Double Network Self-Healing Hydrogel: Novel Platform for Optimized Biomimetic Environment Emulation
P2-44	Ronan Tiu	Computational Simulations of Object Engulfment by Cellular Aggregates ('Spherophagy')

Presentation No	Presenter	Title
P2-45	Withdraw	
P2-46	Cheng-Yu Chen	Development of Novel Osteoimmunomodulatory Astragalus-Calcium Silicate Scaffolds for Anti-Inflammation and Bone Regeneration Applications
P2-47	Nuria Gines Rodrigues	Converging laser-induced forward transfer and melt electrowriting for accurate articular cartilage progenitor cell aggregate deposition into a mechanically stable framework.
P2-48	Jos Malda	Tailoring Mechanical Properties in Fabricated Cartilage Constructs
P2-49	Jos Malda	Melt-Electrofibrillation enables collagen alignment in meniscus constructs

Zone 3

*Rapid Fire Talk

Presentation No	Presenter	Title
P2-50	Amanda Araujo Domingues	Functional and photocrosslinkable hydrogels derived from chondroitin sulfate for application in 3D printing
P2-51	Wuyang Gao	A Scalable Method for Fabricating ECM Sheets to Assemble Complex Tissues
P2-52	TaeHo Lee	A cell-laden shape-memory scaffold using photocrosslinkable scaffold for cartilage tissue engineering
P2-53	Yeonggwon Jo	3D Printed Multi-layered ECM Patch for Delivering Dual-drugs to Prevent Implant Induced Capsular Contracture
P2-54	Anna Nakamura	Bio-3D printed scaffold-free cartilage construct for larger chondral defects
P2-55	Emanuele Limiti	Synthesis of Alginate Microcarriers for Single-Cell Analysis: A Comparison of Different Microfluidic Technologies
P2-56	Minji Kim	Enhancing Crosslinking Efficiency via Chain Reaction in a Visible Light-Activated Photocrosslinking System Using Cationized Tissue-Specific Bioinks
P2-57	Ganghak Lee	Advanced silk based bioink using bovine serum albumin as a crosslinker of click chemistry for hard tissue engineering
P2-58	Waseem Kitana	Bioink-Nanofiber Composite Multilayered 3D Construct Using A Novel Integrated Biofabrication Technology Based On 3D (Bio) Printing Combined Solution Touch-Spinning
P2-59	Timo Baroth	Towards reproducible melt electrowritten (MEW) scaffolds: A next-generation, automated MEW machine for data driven process discovery, monitoring, and control

Presentation No	Presenter	Title
P2-60	Himanshi Diwan	Mineralized Himalayan Sheep Wool Based Composite 3D Printed Scaffolds with Curcumin for Osteosarcoma Management
P2-61	Egor O. Osidak	3D Printable/Bioprintable Concentated Collagen type II hydrogels for cartilage regeneration
P2-62	Seo Woo Song	Pen-based 4D printing for 3D hydrogel construction
P2-63	Mahdis Parsafar	Design and Fabrication of a Biomimetic Intervertebral Disc Implant Using 3D Printing Technology
P2-64	Tian Jiao	3D Printed Biomimetic Skin Substitute For Wound Repair
P2-65	Fahad Hussain A Alhamoudi	EXPLORING ZINC OXIDE AND COPPER-ZINC OXIDE ENHANCED SCAFFOLDS FOR BONE REGENERATION THROUGH SOLVENT CASTING AND PARTICLE LEACHING TECHNIQUES
P2-66	Minkyoung Lee	Development of a Liver Disease Model Mimicking Stages of Fibrosis
P2-67	Giulia Maria Di Gravina	Freeform Printing of Poly(2-cyclopropyl-oxazoline) for the biofabrication of complex vascular designs
P2-68	Jooyoung Lee	Development of a Vascularized In Vitro Lung Model through Precision 3D Bioprinting Technology

Session **Poster Discussion 3**

Day 4 **Nov. 13 (Wed)**

Time 13:00-14:00

Location Poster & Exhibition Room

Zone 1

*Rapid Fire Talk

Presentation No	*Presenter*	*Title*
P3-01*	Tomasz Jüngst	Microfluidic printheads for multi-material extrusion-based bioprinting
P3-02*	Simona Villata	A novel and non-invasive way to monitor both the living and dead part of 3D in vitro skin models: EIS based device
P3-03*	Tiziana Fischetti	Advanced Intervertebral Disc Fabrication by Coupling 3D Printing and Cryostructuring Technologies
P3-04*	Astrid Quaak	From Design to Reality: Advancements in Volumetric 3D-Printing of Radiopaque Poly(ε-Caprolactone)
P3-05*	Sanjairaj Vijayavenkataraman	Bioprinting of soft tissues using bioinks derived from ecologically-destructive tunicates, discarded fish skin, and banana stem
P3-06*	Seo-Jun Bang	3D Printed Electroconductive and Stretchable Composite Hydrogel Patches for Accelerated Wound Healing
P3-07*	Linyang Liu	Tropoelastin Enhances Vascularization in Protein-based Bioinks
P3-08*	Marco C Bottino	Engineering for Microvascularized Tissue Regeneration: Melt Electro Writing/Bioprinting PCL/GelMA Constructs with Tunable Stiffness and Printable Pre-vascularized Microbeads
P3-09*	David Dean	Melt Electrowriting Containment of Chaotic Printed, Sheet-Based Microvasculature
P3-10*	Francis Nacionales	Fabrication of an Osteogenic Bioink Composed of Cellulose Nanocrystals (CNC) and Omega-3 Polyunsaturated Fatty Acids (ω-3 PUFAs) for 3D Bioprinting Applications
P3-11	Seo-Jun Bang	Multifunctional and 3D printable hyaluronic acid based composite hydrogel for skin disease
P3-12	Huali Lu	Fabrication and Mechanical Properties of Semi-open Stents with Bridged Structures
P3-13	Bo Van Durme	Advanced Fabrication of Thermo-Responsive Scaffolds for Tissue Engineering: Tailored Resin Development and 4D Microprinting
P3-14	Katinka Theis	Sensor particles for investigation of hydrodynamic forces in biofabrication processes
P3-15	Ankita Negi	Self-assembled Hydroxyapatite Nanospicules Coating on 3D Printed PLA Scaffolds with Bactericidal Activity for Bone Regeneration

Presentation No	Presenter	Title
P3-16	Hemant kumar Bankhede	Pharmaceutical polymer-based hydrogels- A step towards ideal bioink
P3-17	Vasileios Sergis	In-situ quality monitoring during embedded bioprinting using integrated microscopy and classical computer vision
P3-18	Sofia Satarova	Mechanical properties of GelMA hydrogels reinforced with melt electrowritten scaffolds of various designs
P3-19	Yoshiaki Hirano	Application of Cell Aggregation Inducing Peptide KP24
P3-20	Benedikt Gantert	FRET reporter peptides to investigate protease activity of bioprinted cells
P3-21	GaEun Heo	Fabrication of Scaffolds for Gingiva Tissue Regeneration Using 3D Bioprinting with dECM Bioink and Comb-assisted Nozzle
P3-22	Seong Eun Kim	Innovative Dual-crosslinkable Injectable Biohybrid Thermogel for Biofabrication Applications
P3-23	Yejin Youm	New Extrusion-based 3D Bioprinting Strategy to Fabricate Multi-layered sheprical Core-shell Structure
P3-24	Hanjun Hwangbo	Optimizing Matrix Stiffness for Enhanced Differentiation of Neural Progenitor Cells in Tissue Engineering
P3-25	Rodrigo Rezende Alvarenga	A plugin to short the 3D (Bio)Printing digital process
P3-26	Withdraw	

Zone 2

*Rapid Fire Talk

Presentation No	Presenter	Title
P3-27	Francklin da Silva Trindade	Patient-Specific scaffolds for partial defects of knee menisci: preliminary study
P3-28	Luiz Henrique Catalani	Photocrosslinkable star-shaped PCL polymers with controlled viscosity for VAT photopolymerization 3D printing resins
P3-29	Tong SUN	The Printability of Melt-electrowriting for Polymers with High Melting Temperatures
P3-30	Simon Luposchainsky	Melt Electrowriting with Electrostatic Jet Deflection
P3-31	Daniel Nieto	Multimaterial DLP bioprinting multi-scaled vascular-like structures
P3-32	Natsuko F Inagaki	Development of novel artificial oxygen carriers based on perfluorocarbon and fluorinated polyimide
P3-33	Rohit Goyal	Nature-inspired 3D printed nano cellulose fiber reinforced hierarchical functional hydrogel composites toward biomedical applications

Presentation No	Presenter	Title
P3-34	Subha Narayan Rath	Accelerating Vascular Graft Development: Adipose-derived stem cells and PODS® (Polyhedrin Delivery System with tissue-specific growth factors) -Enhanced 3D Bioprinting for Functional Blood Vessels
P3-35	Withdraw	
P3-36	Aobo Liu	Additively manufactured Zn-2Mg alloy porous scaffolds with customizable biodegradable performance and enhanced osteogenic ability
P3-37	Maialen Zelaia Amilibia	AI-supported methodology for printing parameter characterization in extrusion bioprinting processes
P3-38	Taishi Higashi	Preparation of supramolecular hydrogels and films consisting of tannic acid and ultra-high-molecular-weight polyethylene oxide with zero-waste
P3-39	Denise Zujur	Engineering chondrogenic spheroids from iPSC-derived mesenchymal stem/stromal cells for cartilage tissue biofabrication
P3-40	DongWoo Lee	3D-printed flexible variable resistor for tissue culture application
P3-41	Jaeyoon Lee	Fabrication of uniaxially aligned bioconstructs using modified freeze-casting methods
P3-42	Yitong Kaleb Tseo	Engineered Parasitism: Fully automated cyanobacteria conversion to bacterial leather for carbon sequestration
P3-43	Emanuele Mauri	Miniaturization of droplet-based microfluidic devices via two-photon polymerization: an advanced fabrication for the synthesis of nanoparticles for targeted drug delivery
P3-44	Jae-Hun Kim	Development of cascade bioprinting technique for fabrication of heterogeneous microstructured tissue
P3-45	Huaizhong Xu	Melt Electrowriting of Thermally Degradable Biobased Polymers
P3-46	Stephan Schandl	Acetylated Alginate: New Insights into the main Matrix Component of Pseudomonas aeruginosa's Biofilm
P3-47	Liu Yang	Hydrolysis and Drug Release Behaviors of Melt Electrowritten Poly(caprolactone) and Poly(glycolide-co-caprolactone) Tissue Engineering Scaffolds

Zone 3

*Rapid Fire Talk

Presentation No	Presenter	Title
P3-48	Margitta Büchner	Correlation of Elongational Rheology and Cell Survival – B.E.R.I.T. an Advanced Application

Presentation No	Presenter	Title
P3-49	Ginevra Pegollo	Multi-tool printhead for multiscale and multimaterial bioprinting in the Electrospider ecosystem
P3-50	Mohan Pei	Modified 3D BioPrinting Technique for Achieving Perpendicular Cell Alignment in Tissue Engineering
P3-51	Muhammad Naziruddin Bin Mohd Ali	A new class of non-toxic photoinitiators for acrylate hydrogel 3D printing
P3-52	Rebekah Kay	Development of a library of versatile, tuneable bioinks for bioprinting multicellular and mechanically tuneable hydrogel structures.
P3-53	Patrick Kuntschke	Vasc-on-Demand: Transition from additive manufacturing to scalable mass production technologies
P3-54	Karolina Valente	Human-Like Cancer Tissue Models
P3-55	Jihyoung Roh	Development of a medical simulator for verification and performance evaluation of partial pressure of carbon dioxide (pCO2) measuring devices
P3-56	Mansik Jeon	Analysis for assessing the stereo-lithography printing quality using optical coherence tomography
P3-57	Pierpaolo Fucile	Development of a universal platform for complex pores design and printing path optimization towards advanced biofabrication in Regenerative Medicine
P3-58	Gopinathan Janarthanan	Chitosan Methacrylate-Bovine Serum Albumin Methacrylate Hybrid Bioinks for High Fidelity Digital Light Processing (DLP) Bioprinting
P3-59	Tae-Eun Lim	Development of 3D-Printed Platform for Allowing the Co-Culture between Skeletal Muscle and Vascular Endothelial Cells
P3-60	Nadina Usseglio	ADVANCING MULTIMATERIAL BIOPRINTING: MERGING A MULTIMATERIAL DLP PROCESS WITH IA AND COMPUTER VISON TECHNIQUES
P3-61	Helena Herrada-Manchón	Development and Printability of Dynamic Hydrogels for Personalized Chronic Wound Treatment – FORCE REPAIR Project
P3-62	Wei Zhu	Rapid high-resolution bioprinting of physiologically relevant tissue models and functional biomedical devices
P3-63	Amedeo Franco Bonatti	SOPHIA: a process-centric Ontology and comprehensive dataset to formalize the Tissue Engineering scientific literature
P3-64	Saskia Andrea Maria Roth	Highly aligned fibrous materials to mimic biological tissue morphology
P3-65	Yen-Hong Lin	Development of a stimulus-responsive auxetic scaffold for enhanced meniscal cartilage regeneration using GelMA and decellularized extracellular matrix

Presentation No	Presenter	Title
P3-66	Roman Matejka	Bioreactor processed and decellularized 3D bioprinted collagen scaffolds with incorporated cells for cardiovascular applications
P3-67	Denisa Kaňoková	Enhancing 3D Bioprinting of Highly Concentrated Collagen Bioinks with Active Media Perfusion Flow and Microvascular Simulation