

Rapid Fire Talk

Session **Rapid Fire Talk 1**

Time 8:30-9:00

Location Room 1

Chair Yukiko Nagaishi, Toshihiro Nonaka

Day 2 Nov. 11 (Mon)

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



Session **Rapid Fire Talk 2**

Time 8:30-9:00

Location Room 1

Chair Daisuke Taniguchi, Shabir Hassan

Day 3 Nov. 12 (Tue)

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*	*Poster Display only	
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
P2-36*	Melanie Rodger	Enhancing the Stability of Foam-based Support Baths using Pectin for Embedded Bioprinting
P2-10*	Meshal A. Alobaid	Drug Delivery using coated gold nanoparticles

Session **Rapid Fire Talk 3**

Time 8:30-9:00

Location Room 1

Chair Junjie Yu, Nele Pien

Day 4 Nov. 13 (Wed)

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)

<i>Presentation No</i>	<i>Presenter</i>	<i>Title</i>
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