KEYNOTE SPEAKERS

MATTHEW BAKER

Hydrogel design by tuning supramolecular dynamics enables customizable hydrogels and bioinks

Maastricht University, The Netherlands

CHIARA VITALE BROVARONE

Biofabrication for the treatment of osteoporotic fractures: the GIOTTO project approach

Politecnico di Torino, Italy

GIOVANNA BRUSATIN

Biomaterials and engineered microenvironments to control cell behaviour

University of Padua, Italy

MIGUEL CASTILHO

Functional graded microfiber implants accelerate periodontal ligament-to-bone interface regeneration

Eindhoven University of Technology, The Netherlands

VALERIA CHIONO

Advances in scaffold biofabrication: multifunctional bioinks and stretchable architectures

Politecnico di Torino, Italy

GIANLUCA CIARDELLI

Bottom-up design of biomaterials and bioinks enables advanced biomimetic constructs for tissue engineering and modeling

Politecnico di Torino, Italy

GIANLUCA CIDONIO

Microfluidic bioprinting of emulsion inks for the fabrication of gradient-like 3D porous constructs

Italian Institute of Technology, Italy

KEVIN T. DICKER

TissueFab ® Bioinks Enabling On-Demand Biofabrication

Merck, Germany

ELISABETH ENGEL

Microphysiological Systems: Regenerative Therapies applications

The Barcelona Institute of Science and Technology (BIST), Spain

CATARINA FERREIRA DA SILVA

Rousselot Biomedical Gelatin-based solutions: Designed to accelerate the translation of research to clinical practice

Rousselot, France

GABRIELE MARIA FORTUNATO

Robotic-based in situ bioprinting for the regeneration of damaged tissues

University of Pisa, Italy

CARMINE GENTILE

3D Bioprinted Human Cardiac Spheroid Patches for Heart Repair

University of Sydney, Australia

RICCARDO GOTTARDI

A Decellularized Cartilage Biomaterials Approach to Pediatric Airway Reconstruction

Children's Hospital of Philadelphia, USA

LEONID IONOV

Possibilities and limitations of 4D biofabrication

University of Bayreuth, Germany

TOMASZ JÜNGST

Developing tissue models to study vascular diseases

Bavarian Polymer Institute, Germany

SANG JIN LEE

Structural Biomimetic Design Strategy of Clinically Applicable 3D Bioprinted Bone Constructs

Wake Forest School of Medicine, USA

RICCARDO LEVATO

Hydrogel Design for light-based layerwise and layerless volumetric bioprinting

Utrecht University, The Netherlands

CATHERINE LE VISAGE

Do we (still) need animal models to assess the effectiveness of regenerative therapies? A case study with intervertebral disc biofabrication

Nantes Université, France

JOS MALDA

Converging Biofabrication technologies for regenerative medicine

University of Utrecht, The Netherlands

MONICA MATTIOLI-BELMONTE

Deciphering the suitability of human cell types for in vitro bone models

Università Politecnica delle Marche

MATTEO MORETTI

Biofabricated microarchitectures for musculoskeletal tissues on a chip

Ente Ospedaliero Cantonale, Switzerland

LORENZO MORONI

4D printing or not 4D printing? Mechanically actuatable 3D instructive scaffolds to steer tissue regeneration

Maastricht University, The Netherlands

CARLOS MOTA

Bioprinting and on-chip microphysiological kidney models

Maastricht University, The Netherlands

ALEKS OVSIANIKOV

Emergence of High-Definition Bioprinting

Technische Universität Wien, Austria

ANTHI RANELLA

Mechanical Metamaterials: Towards the development of 4D scaffolds for cell growth

The Foundation for Research and Technology-Hellas, Greece

WOJCIECH ŚWIĘSZKOWSKI

Microfluidic wet-spinning of soft tissue-specific core-shell hydrogel fibers

Warsaw University of Technology, Poland

TIM WOODFIELD

Hybrid Biofabrication and bioassembly strategies for engineering functional musculoskeletal tissues

University of Otago

MICHAŁ WSZOŁA

3D-bioprinted bionic pancreas as an innovative method of treating and preventing diabetes - how far we are from clinical application?

Polbionica, Poland

JAESEUNG YOUN

Human iPS-derived Blood-Brain Barrier Model Exhibiting In Vivo-like Barrier Properties Empowered by Engineered Basement Membrane

Pohang University of Science and Technology, Republic of Korea

MARCY ZENOBI WONG

Breaking it Down: Microgels as Cell Guidance Cues in Tissue Biofabrication

ETH Zürich, Switzerland