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ICONIC MEETINGS
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International Experts Summit on Biomaterials and Regenerative Medicine

 **JUNE 15-17, 2026**

 **ROME, ITALY**

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TENTATIVE PROGRAM



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BiomaterialsSummit-2026@iconicconferences.net



<https://www.biomaterials.theiconicmeetings.com/>

Day 1 (June 15, 2026)	
08:30–09:30	Registrations in Main Hall
09:30–09:35	Introduction
09:35–10:00	Opening Ceremony
Plenary session	
10:00–10:40	Title: Hydrogels in Periodontal and Craniofacial Regeneration: Current Applications and Next-Generation Biomaterials
	David Mooney, <i>Harvard University, USA</i>
10:40–11:20	Speaker Slot available
11:20–11:35	Refreshments Break@ Foyer
11:35–12:15	Title: Exploring the piezoelectric phenomenon: From polymers to human tissues and advanced applications in tissue engineering
	Rui L. Reis, <i>University of Minho, Portugal</i>
12:15–12:30	Group Photo
12:30–13:30	Lunch Break
Keynote Session	
13:30–14:00	Title: Neutrophil-based drug delivery systems
	Hélder A. Santos, <i>University of Groningen, Netherlands</i>
14:00–14:30	Title: Mammalian mesenchymal stromal cells enhance zebrafish fin regeneration
	Jerome Guicheux, <i>University of Nantes, France</i>
14:30–15:00	Speaker Slot available
Featured Talks	

15:00-15:20	<p>Title: Collagen fiber density observed in metastatic ovarian cancer promotes tumor cell adhesion</p> <p>Kristyn S. Masters, <i>University of Colorado, USA</i></p>
15:20-15:40	<p>Title: Cembgn-Loaded Hydrogel Regulates Macrophage Polarization For Bone Repair</p> <p>Kai Zheng, <i>Nanjing Medical University, China</i></p>
15:40-16:00	<p>Title: 3D printing of nanoparticle-containing scaffolds for cancer phototherapy, magnetic hyperthermia therapy, and tissue regeneration</p> <p>Rúben F. Pereira, <i>University of Porto, Portugal</i></p>
16:00-16:20	Speaker Slot available
16:20-16:30	Refreshments Break@ Foyer
16:30-16:50	<p>Title: Nanostraw electroporation for temporal RNA sampling from living 2D and 3D cell culture systems</p> <p>Andy Tay, <i>National University of Singapore, Singapore</i></p>
16:50-17:10	<p>Title: Scalable Fabrication of Mixed Solvent Phase Separation Cellulose Acetate Hemodialysis Membranes with Enhanced Performance and Blood Compatibility through Optimized Pore Architecture</p> <p>Jean-Pierre Benjamin Boross de Levay, <i>King Abdullah University of Science and Technology , Saudi Arabia</i></p>
17:10-17:30	<p>Title: 3D Printing of Ultra-High-Resolution Biocompatible Metamaterials for Patient-Specific Bone Implants via μ-DLP</p> <p>Milena Siapera, <i>Imperial College London, UK</i></p>
17:30-17:50	Speaker Slot available
Poster Presentations @ 17:50-19:00	
Speaker Slots available	

Day 2 June 16, 2026	
08:30-09:30	Registrations in Main Hall
Plenary Session	
09:30-10:10	<p>Title: Black phosphorus in the regenerative medicine: a multi-organ perspective on disease modulation and tissue repair</p> <p>Boccaccini, Aldo R., <i>University of Erlangen-Nuremberg, Germany</i></p>
10:10-10:50	Speaker Slot available
10:50-11:00	Refreshments Break@ Foyer
Keynote Session	
11:00-11:30	<p>Title: Metal-directed nanomedicines for imaging-guided disease treatment</p> <p>Mohammad-Ali Shahbazi, <i>University Medical Center Groningen, Netherlands</i></p>
11:30-12:00	Speaker Slot available
Featured Talks	
12:00-12:20	<p>Title: Composite Electrospun Fibers Containing Optimized B-and Cu-Doped Bioactive Glass Sol-Gel Particles for Potential Soft Tissue Engineering Applications</p> <p>Liliana Liverani, <i>University of Erlangen-Nuremberg, Germany</i></p>
12:20-12:40	<p>Title: Safety and Feasibility of Extended Platelet-Rich Fibrin as a Solo Barrier Membrane for Ridge Preservation: A Case Series</p> <p>Nima Farshidfar, <i>University of Bern, Switzerland</i></p>
12:40-13:00	<p>Title: Cell tumbling enhances stem cell differentiation in hydrogels via nuclear mechanotransductions</p> <p>Pamela C Cai, <i>University of Chicago, USA</i></p>

13:00-14:00		Group Photo & Lunch Break
14:00-14:20	Title: Hypoxia mimetics restore bone biomineralisation in hyperglycaemic environments	
	Gavin Jell, University College London, UK	
14:20-14:40	Title: Direct Cross-Linking of Cucurbit uril Pseudopolyrotaxanes to Prepare Slide-Ring Hydrogels	
	Matthew J. Webber, University of Notre Dame, USA	
Speaker Slots available		
Day 3 (June 17, 2026)		
08:30-09:30	Registrations in Main Hall	
Plenary session		
09:30-10:10	Title: Morphometric-Assisted Prediction of Developmental Toxicity Using Stem Cell-Based Embryo Models in Microwells	
	Clemens A van Blitterswijk, Maastricht University, Netherlands	
10:10-10:50	Speaker Slot available	
10:50-11:10	Refreshments Break@ Foyer	
Keynote session		
11:10-11:40	Tittle: 3D Printing of Photocrosslinked Alginate Dialdehyde-Gelatin Hydrogels Reinforced with Cobalt-Containing Mesoporous Bioactive Glass Nanoparticles for Developing Skin Wound Dressings	
	Rainer Detsch, Universität Erlangen-Nürnberg, Germany	
11:40-12:10	Speaker Slot available	
12:10-13:10	Group Photo & Lunch Break	

Featured Talks

13:10-13:30

Title: Multiresponsive Nanorobots: Manipulation Strategies and Biomedical Applications

ZHANG Kejia, *University of Hong Kong, Hong Kong*

13:30-13:50

Title: Plant-Based Bioink for High-Fidelity Extrusion 3D Bioprinting

Sonali Garje, *Indian Institute of Science, India*

13:50-14:10

Title: miRNA modules for precise, tunable control of gene expression

Viviana Gradinaru, *California Institute of Technology, USA*

14:10-14:30

Title: Hydroxyapatite-Mediated Mechanical Modulation of GelMA Hydrogels Influences Osteogenic Differentiation of 3D Spheroids

Won-Gun Koh, *Yonsei University, South Korea*

14:30-14:50

Title: Therapeutic reprogramming of glioblastoma phenotypic states using multifunctional heparin nanoparticles

Jons Hilborn, *Uppsala University, Sweden*

Speaker Slots are available to 18:30