



Global Summit on Biomaterials, Tissue Engineering, and Regenerative Medicine

May 18 - 20 2026, | Amsterdam, Netherlands

Day 1: Advances in Biomaterials and Tissue Engineering

Morning Session

- Opening Ceremony & Welcome Address
- Keynote Presentations
 - *“Next-Generation Biomaterials: Innovations in Design and Clinical Application”*
 - *“Smart and Responsive Materials for Regenerative Medicine”*

Midday Session

- Plenary Talks
 - *“Nanostructured Biomaterials: Engineering at the Molecular Level”*
 - *“3D Bioprinting: Bridging the Gap Between Lab and Clinic”*
- Invited / Featured Talks (Oral Presentations by Experts)
 - *“Hydrogels and Scaffolds for Controlled Drug Delivery”*
 - *“Bioactive Ceramics and Polymers for Bone Regeneration”*
- Symposium: *“Emerging Materials for Soft Tissue and Organ Regeneration”*

Afternoon Session

- Workshop: *“Hands-on Training in 3D Bioprinting and Scaffold Fabrication”*
- Oral Presentations – Track 1: *Biomaterials in Clinical Translation*
- Poster Session & Technology Demonstrations
- Panel Discussion: *“Regulatory Challenges and Clinical Approval of Biomaterials”*
- Networking Reception & Welcome Dinner

Day 2: Regenerative Medicine and Stem Cell Technologies

Morning Session

- Keynote Presentations
 - *“Stem Cells and Regenerative Medicine: From Bench to Bedside”*
 - *“Organoids and Tissue Models for Drug Discovery and Disease Research”*

Midday Session

- Plenary Talks
 - *“CRISPR and Gene Editing in Tissue Regeneration”*
 - *“Immunomodulation and the Role of the Extracellular Matrix”*

- **Invited / Featured Talks (Oral Presentations by Experts)**

- *“Advances in Cardiac and Neural Regeneration”*
- *“Bio fabrication and Tissue Printing for Organ Repair”*

- **Symposium: “Cell Therapy and Translational Regenerative Approaches”**

Afternoon Session

- **Workshop:** *“Stem Cell Isolation, Culture, and Differentiation Techniques”*
- **Oral Presentations – Track 2:** *Regenerative Therapies and Translational Research*
- **Poster Session & Interactive Demonstrations**
- **Panel Discussion:** *“Ethical and Regulatory Perspectives in Regenerative Medicine”*
- **Industry Roundtable & Business Networking Session**

Day 3: Future Directions in Biomaterials and Regenerative Healthcare

Morning Session

- **Keynote Presentations**

- *“AI and Machine Learning in Biomaterials Design and Regenerative Therapies”*
- *“Sustainability and Green Materials in Biomedical Engineering”*

Midday Session

- **Plenary Talks**

- *“Next-Generation Bio fabrication: Integrating Robotics and Automation”*
- *“Clinical Success Stories in Regenerative Medicine: Lessons Learned”*

- **Invited / Featured Talks (Oral Presentations by Experts)**

- *“Bioresorbable Implants and Smart Drug Delivery Systems”*
- *“Advanced Imaging and Modelling in Tissue Engineering”*

Afternoon Session

- **Workshop:** *“Clinical Translation and Commercialization Pathways in Regenerative Medicine”*
- **Oral Presentations – Track 3:** *Tissue Regeneration, Biomaterials, and Nanotechnology*
- **Closing Panel Discussion:** *“The Future of Regenerative Medicine: Innovation, Collaboration, and Global Impact”*
- **Best Paper & Poster Awards**
- **Conference Closing Remarks & Farewell Networking**

Suggested Topics for Engaging Speaker Sessions

To keep the summit dynamic and future-focused, speakers are encouraged to explore:

- Advanced Biomaterials for Tissue Engineering and Drug Delivery
- 3D Bioprinting and Organ Regeneration Technologies
- Stem Cells and Gene-Edited Therapies in Regenerative Medicine
- Smart and Responsive Materials for Controlled Healing
- CRISPR and Genetic Engineering for Regenerative Applications
- AI and Computational Modelling in Biomaterials Research
- Nanotechnology in Regenerative and Personalized Medicine

- Immunoengineering and Biocompatibility Innovations
- Bio fabrication, Scaffolds, and Hydrogel Technologies
- Translational Research and Clinical Applications in Regenerative Medicine