73 — Keynote incl. Free Communication

Research Tissue engineering and stem cells

Saturday, 5 Sep 2026, 10:30 a.m. - noon, Cube 2

Chair: Daniel Kalbermatten, Srinivas Madduri

Dezawa MuseCells and Exosomes in Regenerative and Aesthetic Medicine

Presentation time: 15 min

Speaker: Dominik Duscher

Correlations between Aging, Morbidity, and Adipose-Derived Stem Cell Function

Presentation time: 6 min

Speaker: Christina V. Gottwald

Engineered signaling microenvironments for regenerative vascularization

Presentation time: 10 min

Speaker: Maximilian Burger

Human adipose stem cell spheroids expressing the suicide gene thymidine kinase as a safety switch for nerve tissue engineering applications

Presentation time: 6 min

Abstract Presenter: C. Favre

3D-Bioprinting of Aligned Schwann Cell Bundles: Laminin-functionalized bio-ink as a potential neural scaffold

Presentation time: 6 min

Abstract Presenter: A. P. Madappura

Microengineering of Nerve Guidance Conduit for Regulating the Nerve Tissue Regeneration

Presentation time: 6 min

Abstract Presenter: A. P. Madappura

Mesenchymal stem cell-derived exosomes in soft tissue regeneration: mechanistic insights and translational relevance for autologous breast reconstruction

Presentation time: 6 min

Abstract Presenter: S. U. Uykusever

Enhancing Cutaneous Wound Healing With Bioactive Glass and Adipose-Derived Stem Cells: Evidence From a Swine Model

Presentation time: 6 min

Abstract Presenter: F.-A. Gonçalves

Histological Effects of Fat Grafting and Adipose-Derived Cells Following Controlled Skeletal Muscle Injury

Presentation time: 6 min

Abstract Presenter: E.-F. Sampaio

Exosome Therapy for Flap and Skin Graft Survival: A Systematic Review and Meta-Analysis of Preclinical Evidence

Presentation time: 6 min

Abstract Presenter: A. Perkasa-Hendropriyono

Cryopreservation of Lipoaspirated Adipose Tissue: Comparative Analysis of Cellular Viability and Proliferative Potential Under Different Preservation Protocols

Presentation time: 6 min

Abstract Presenter: E.-F. Sampaio

Pre-Implantation Maturation Determines Robust Endochondral Ossification by ASC-Derived Hypertrophic Cartilage Grafts

Presentation time: 6 min

Abstract Presenter: M. Perrin

Debridement vs Preservation—Biological Insights into Burn Blister Fluid

Presentation time: 6 min

Abstract Presenter: M. Monai