



Spoke 5 | Industry for Health and Silver Economy



Novara – Auditorium “Gaudenzio-Cattaneo” 15.10.2025

8.30 Registration

9.00 Institutional greetings

- **Prof. Francesca Boccafoschi** (University of Piemonte Orientale) - Academy Director
- **Prof. Menico Rizzi** – Rector University of Piemonte Orientale
- **Prof. Lia Rimondini** (University of Piemonte Orientale) - Director of Department of Health Sciences

9.15 - 11.15 First sessions “Cardiac functional regeneration”

Moderators: Simona Casarella and Sasan Ejlalmaneshan

- “Hunting for action potentials: Using electrophysiology to unveil the unique properties of cardiac tissue and decode its biological signature in physiology and disease”
Dr. Luca Soattin (University of Copenhagen)
- “Human Amniotic Fluid-Derived Extracellular Vesicles: Unlocking a Reparative Dialogue with the Heart”
Dr. Laura Guerricchio (University of Genova)

Discussion with the audience

11.15 Coffee Break

11.45 - 12.45 Second session “Regenerative Medicine and clinical applications”

Moderators: Luca Di Nunno e Federica D'Erchia

- “In situ bioprinting approaches in clinical applications”
Prof. Giovanni Vozzi (Full Professor in Bioengineering at University of Pisa)

Discussion with the audience

13.00 - 13.45 Lunch break

14.00 - 16.00 Third session “New frontiers in Regenerative Medicine”

Moderators: Dalila Di Francesco e Carolina Varsavia

- “The Influence of Extracellular Matrix Upon Immunity and Repair”
Prof. Badylak Pittsburgh (Professor in the Department of Surgery, a Deputy Director of the McGowan Institute for Regenerative Medicine (MIRM), and Director of the Center for Pre-Clinical Tissue Engineering within the Institute)
- “Macrophage diversity and plasticity in Innate Immunity, Inflammation and Tissue Repair”
Prof. Alberto Mantovani (Professor Emeritus in General Pathology at Humanitas University, Milan; President of Humanitas for Research Foundation)

Discussion with the audience

16.00 - 16.45 Forth session “Innovations in personalized regenerative medicine”

Moderators: Alexa Pigliafreddo e Arman Mirzaei

- “Medical biotechnologies, diagnostics devices and digital analyses for osteoarthritis' treatment: the great combo”

Trustech srl - Enginsoft spa - Tissuegraft srl

Discussion with the audience

17.00 - 17.45 Fifth session “Regenerative Medicine in Neuroscience”

Moderators: Elena Canciani e Parnian Pezeshkpour

- “Advances in spinal cord injury treatment: from cell therapy to biomaterials and tissue engineering”
Prof. Marina Boido (Università di Torino)

Discussion with the audience

18.00 Final greetings