

Cutting-edge strategies for spinal cord injury: the journey and results of RISEUP project

RISEUP Workshop March 21st, 2025 - Hybrid event at Area Capanna, R.C. ENEA Casaccia

Agenda

- 10:00-10:10** **Insitutional Greetings**
- 10:10-10:30** **RISEUP introduction and overview**
Claudia Consales
Italian National Agency for new Technologies, Energy and Sustainable Economic Development - ENEA
- 10:30-11:00** **Factors in deciding the choice of biomaterials for use in biomedicine**
Fernando Gisbert Roca
Universitat Politècnica de València - UPV
- 11:00-11:30** **The new electro pulsed bio-hybrid device with a flexible electrode technology: challenges and breakthrough in a four year development**
Paolo Marracino
Rise Technology S.R.L
- 11:30-11:45** **Coffee Break**
- 11:45-12:15** **Advanced modeling approaches to assess design and functioning of an electro pulsed bio-hybrid device: perspectives from in vitro and in vivo dosimetry**
Micol Colella
Sapienza, University of Rome
- 12:15-12:45** **Exploring electrical manipulation of stem cells for neural tissue regeneration**
Franck M. André
Centre national de la recherche scientifique - CNRS
- 12:45-14:00** **Lunch**
- 14:00-14:30** **RISEUP electric stimulation protocol effects on inflammatory response in vitro**
Giorgia Innamorati
University of Rome Tor Vergata
Italian National Agency for new Technologies, Energy and Sustainable Economic Development - ENEA
- 14:30-15:00** **Exploring the potential of electro-pulsed stimulation and stem cell therapy in spinal cord recovery**
Loris Mannino
Centro de Investigación Príncipe Felipe - CIPF
- 15:00-15:30** **Round table and conclusions**

Organized by:

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M. Colella, S. Fontana - Sapienza, University of Rome