

Rehabilitation Medicine Research and Innovation:
Science, Healthcare Industry, Philanthropy (SHIP)

THE ALLIANCE

November 29, 2024

**Politecnico di Milano, Campus di Lecco
via Gaetano Prevati 1/C - Lecco**

Rehabilitation Medicine is a pillar of healthcare systems.

To shape the future of research and care focused on human functioning, we need an alliance between science, industry, and philanthropy, to support a continuous operational framework that connects neuroscience, emerging high-tech technologies, and innovations in clinical applications within Rehabilitation Medicine.

Strategies for translational research and innovation in clinical practice will be key topics of the meeting.

We will discuss a variety of subjects, ranging from the intention of movement to disruptive human-technology interfaces, artificial intelligence, and innovations in the pharmaceutical and technology sectors, as well as the activities of startups.

Keynote lectures and roundtable discussions will allow participants to engage with leading experts in the biotechnology field.

There will be an opportunity for startups to present concrete examples of innovation that demonstrate how emerging technologies and new business models are transforming healthcare, particularly in areas such as brain-computer interfaces, robotics, and rehabilitation technologies.

Philanthropy, interdisciplinary scientific and technological advancements, and international collaboration will ensure the disruptive, sustainable, high-tech development of next-generation rehabilitation medicine.

Participation in this event entitles you to receive 2,1 ECM (Continuing Medical Education) credits.

To earn the ECM credits associated with the event, participants must attend at least 80% of the training hours and complete the quality perception evaluation questionnaire.

**Participation is free, and there are no limitations on the number of available spots.
Simultaneous translation from Italian to English and vice versa is provided.**

Provider ECM - ID 6207 Via Vittorio Veneto 11 - 35043 Monselice (PD) info@eolocongressi.it

EVENT ID: 6207-431243

Recipients of the Educational Offer: 300

Physicians with specializations in Physical Medicine and Rehabilitation, Neurology, Orthopedics and Traumatology, Psychologists, Physiotherapists.

ECM Credits: 2,1

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Conference program

Opening remarks

9 am

- Alessandro Fermi, Councillor University, Research, Innovation at Regione Lombardia
- Mauro Piazza, Undersecretary Autonomy and Relationship with the Regional Council at Regione Lombardia
- Mariella Enoc, Special Representative Ospedale Valduce Como – Costa Masnaga
- Manuela Grecchi, Pro-Rector Politecnico di Milano, campus di Lecco
- Vico Valassi, President UniverLecco

Session 1

9:45 am

Connected Intelligence: The International Fit Rouge

9:45 am - 10:10 am

Network Research Organizations

Franco Malteni, Scientific Director Villa Beretta Rehabilitation Research Innovation Institute (VBRRII) introduces:

- Carlo Mango, Director at Scientific and Technological Area at Fondazione Cariplo
- Sandra Keller, Director at Carigest SA

10:10 am - 10:40 am

Network Research Organizations

Franco Malteni, Scientific Director Villa Beretta Rehabilitation Research Innovation Institute (VBRRII) introduces:

- Andrea Serino, SNSF Professor at the University Hospital of Lausanne, Switzerland
- Sandra Pottier, Director at Garches Foundation, France
- Dylan J. Edwards, Professor of Rehabilitation Medicine at Thomas Jefferson University, USA

Session 2

10:45 am - 11:05 am

KAUST Smart-Health Technology and Research to Promote Muscle Function and Rehabilitation

Imed Gallouzi, Chair of KAUST Center of Excellence for Smart Health (KCSH), Saudi Arabia

11:05 am - 11:25 am

Innovative neurotechnology: A journey from Lab to Clinic, and back to the Lab

Madjid Hihi, Deputy Director for Scientific Affairs and Partnerships at Clnatec, France

11:25 am - 11:45 am

Human intention and movement

Cristina Becchio, Professor of Neuroscience at University Medical Center Hamburg-Eppendorf, Germany

11:45 am - 12:05 am

AI - based research on the brain

Paolo Avesani, Center for Information Technology FBK, Fondazione Bruno Kessler CIMeC

Round Table

12:05 am - 1 pm

What's next? From research to innovation

Moderators: Emanuele Lettieri, Associate Professor at the Department of Management, Economics, Industrial Engineering (DIG) of Politecnico di Milano
Giuliana Iannaccone, Associate Professor of Architectural Engineering at Politecnico di Milano

- Andrea Simoni, Secretary-General of the Fondazione Bruno Kessler (FBK)
- Sergio Dompé, Executive President Dompé Farmaceutici
- Manuela Grecchi, Pro-Rector Politecnico di Milano, campus di Lecco
- Ahmed M. Eltawil, Professor of Electrical and Computer Engineering at KAUST – King Abdullah University of Science and Technology, Saudi Arabia
- Dylan J. Edwards, Professor of Rehabilitation Medicine at Thomas Jefferson University, USA
- Madjid Hihi, Deputy Director for Scientific Affairs and Partnerships at Clnatec, France

Lunch Break

1 pm - 2 pm

Session 3

2 pm - 2:45 pm

Innovations in Pharma & Tech

Moderators: Emanuele Lettieri, Associate Professor at the Department of Management, Economics, Industrial Engineering (DIG) of Politecnico di Milano
Giuliana Iannaccone, Associate Professor of Architectural Engineering at Politecnico di Milano

- Marcello Allegretti, Chief Scientific Officer at Dompé Farmaceutici
- Sandra Fregonese, Country Manager at Merz Pharma Italy
- Patrizia Olivari, President and CEO at IPSEN
- Stefano Palladino, Head Of Digital Healthcare Local Public Administration at Almaviva
- Andreas Hahn, Corporate VP Clinical Research and Services at Ottobock

Round table

2:45 pm - 3:45 pm

What's next: Science and Healthcare: The Alliance

Moderators: Emanuele Lettieri, Associate Professor at the Department of Management, Economics, Industrial Engineering (DIG) of Politecnico di Milano
Padre Francesco Occhetta, Secretary General at Fondazione Pontificia Fratelli Tutti

- Giovanna Beretta, National President of the Italian Society of Physical and Rehabilitation Medicine (SIMFER)
- Mauro Zampolini, European President of the UEMS PRM - Organization of European Medical Specialists in Physical Medicine and Rehabilitation
- Francesca Gimigliano, Full Professor at Mental and Physical Health and Preventive Medicine Department at Università degli Studi della Campania Luigi Vanvitelli and President of the International Society of Physical and Rehabilitation Medicine (ISPRM)
- Ilaria Villa, General Director at Fondazione Telethon
- Teresa Bassi, Director Research Unit IRCCS Eugenio Medea
- Thierry Lejeune, Physical Medicine and Rehabilitation at Cliniques universitaires Saint-Luc, Belgium

Session 4

3:45 pm - 4:30 pm

Start up

- Fabio Bianco, Chief Scientific Director Bio4Dreams
- Marco Ferrari, CEO - Eletch Design Center at Elemaster
- Nicola Vitiello, Full Professor at the Institute of BioRobotics of Scuola Superiore Sant'Anna and co-founder Iuvo
- Matteo Laffranchi, Coordinator at Rehab Technologies, Italian Institute of Technology (IIT)
- Carlo Seneci, Managing Director at Idrogenet srl
- Laurent Metz, Global Chief Medical Officer Wandercraft, France

Round table

4:30 pm - 5:30 pm

Innovation Hub: we need to create a new world

Moderators: Emanuele Lettieri, Associate Professor at the Department of Management, Economics, Industrial Engineering (DIG) of Politecnico di Milano
Marco Tarabini, Associate Professor at Politecnico Milano

- Riccardo Porro, Operations Director Cariplo Factory
- Matteo Laffranchi, Coordinator at Rehab Technologies, Italian Institute of Technology (IIT)
- Laura Prinzi, Head of strategy and stakeholder engagement, PoliHub/Politecnico di Milano
- Imed Gallouzi, Chair of KAUST Center of Excellence for Smart Health (KCSH), Saudi Arabia
- Lorenzo Molinari Tosatti, Director of the Institute of Intelligent Industrial Systems and Technologies for Advanced Manufacturing (ITIIMA) at the CNR

Final remarks

5:30 pm - 5:45 pm