

A data-driven future to cure MS and related disorders

Annual Scientific Congress
ITALIAN MS SOCIETY
AND ITS FOUNDATION

Rome, May 27th - 29th / 2025
Via della Nocetta, 105 - Roma
Hotel Villa Pamphili

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MAY 27th 2025

A DATA-DRIVEN FUTURE TO CURE MS AND RELATED DISORDERS

Chairs: Mario Alberto Battaglia, Paola Zarin

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|---------------|---|
| 10.20 – 10.30 | FRANCESCO VACCA
Introduction |
| 10.30 – 10.50 | ALESSANDRO PADOVANI
Data-driven future to cure neurodegenerative diseases:
The National Agenda |
| 10.50 – 11.10 | MARIO ALBERTO BATTAGLIA
The role of Italian MS Society and its Foundation |
| 11.10 – 11.25 | PAWEŁ ŚWIEBODA
Data-driven future and brain economy agenda to tackle
the challenge of Brain Health |
| 11.25 – 11.45 | TIMOTHY COETZEE
Moving towards a biologically based description of MS
disease course |
| 11.45 – 12.05 | LAURA GAETANO
Data-driven future to cure MS: Progressive MS Alliance
Community Data Resource |
| 12.05 – 12.25 | MASSIMO FILIPPI
Data-driven future to cure MS and related disorders:
neuroimaging brain health |
| 12.25 – 13.00 | DISCUSSION AND CONCLUSIONS
Chairs: Mario Alberto Battaglia, Paola Zarin |

13.00 – 14.30	LUNCH AND POSTER PRESENTATION
14.30 – 15.30	PLENARY LECTURE SERGIO BARANZINI Partnering with AI: advancing medical practice and research in the 21st century Introduced by Mario Alberto Battaglia
15.30 – 16.50	PRIZES AND AWARDS SESSION Introduced by Mario Alberto Battaglia
15.30 – 16.15	RITA LEVI MONTALCINI PRIZE LECTURE MARIA TROJANO Advocate for real-world multiple sclerosis studies
16.15 – 16:30	RITA LEVI MONTALCINI PRIZE
16.30 – 16.50	COFFEE BREAK
16.50 – 19.00	DATA-DRIVEN FUTURE TO CURE MS AND RELATED DISORDERS: THE ROLE OF PATIENT-GENERATED HEALTH DATA Chairs: Rachele Michelacci, Paweł Świeboda, Paola Zaratin
16.50 – 17.10	RACHELE MICHELACCI, PAOLA ZARATIN Make science with and of patient input actionable via patient's experience data
17.10 – 17.30	GIAMPAOLO BRICHETTO Phenotyping people with MS target populations with PROMs: the case of global PROMS Initiative
17.30 – 17.50	MARIA PIA AMATO Cognitive phenotyping of people with MS target populations from research to care: myth or reality?
17.50 – 18.10	FRANS FOLKVORD Digital patient generated data-driven future to cure MS: the case of IMPROVE IHI project

- 18.10 – 18.30 **PER SOELBERG SØRENSEN**
Data-driven future to cure MS and related disorders:
The global MS Care Unit survey learning lesson
- 18.30 – 19.00 **DISCUSSION AND CONCLUSIONS**
Chairs: Rachele Michelacci, Paweł Świeboda, Paola Zaratin

MAY 28th 2025

MEETING RESEARCH PRIORITIES: THE AGENDA OF PEOPLE WITH MS AND OTHER RELATED DISORDERS

- 8.40 – 9.00 **FRANCESCO CUCCA**
A genetic toolbox in MS drug discovery
- 9.00 – 12.15 **MS CAUSES AND RISK FACTORS TOWARD NEW MECHANISMS**
Chairs: Filippo Martinelli - Boneschi, Luca Battistini,
Gabriela Constantin
- 9.00 – 9.15 **ANGELO GHEZZI**
Identification of genetic risk factors and interaction
between genetic and environment factors in
pediatric multiple sclerosis (PEDIGREE study)
- 9.15 – 9.30 **ANDREA COSSARIZZA**
Unravelling the role and functionality of T cells in treated
multiple sclerosis SARS-CoV-2 vaccinated patients
- 9.30 – 9.45 **CLAUDIO SETTE**
Impact of gene expression modulation by RNA binding
proteins on inflammatory features in multiple sclerosis

- 9.45 – 10.00 **IRENE CANTONE**
Understanding sex-bias in multiple sclerosis by
human X chromosome inactivation
- 10.00 – 10.15 **BRUNO GRAN**
Interaction between the immune response to CMV
and EBV in multiple sclerosis
- 10.15 – 10.30 **ROBERTO FURLAN**
Immunoregulatory neutrophils during neuroinflammation
- 10.30 – 10.45 **ROBERTA BRAMBILLA**
Cognitive dysfunction in multiple sclerosis:
role of astroglial TNFR2 signaling
- 10.45 – 11.00 **MICHELA MATTEOLI**
A humanized model of blood brain barrier to investigate
immune cells infiltration in multiple sclerosis:
toward a personalized medicine approach
- 11.00 – 11.15 **COFFEE BREAK**
- 11.15 – 11.30 **GABRIELE ANGELINI**
Characterisation of meningeal inflammation during
experimental autoimmune encephalomyelitis:
a role for neutrophil-macrophage interplay
- 11.30 – 11.45 **VINCENZO BARNABA**
Interplay between autoreactive T cells
and regulatory T cells in multiple sclerosis patients
- 11.45 – 12.00 **CLAUDIO PROCACCINI**
Nutrient-specific control of immunological self-tolerance in
experimental autoimmune encephalomyelitis (EAE)
- 12.00 – 12.15 **DISCUSSION AND CONCLUSIONS**
Chairs: Filippo Martinelli - Boneschi, Luca Battistini,
Gabriela Constantin

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- 12.15 – 13.00 DIAGNOSIS AND DISEASE MONITORING**
Chairs: Benedetta Bodini, Martina Absinta
- 12.15 – 12.30 FRANCESCA BENEDETTA PIZZINI**
Gradient Echo Plural Contrast Imaging (GEPCI) technique:
a novel MRI biomarker of neurodegeneration in multiple sclerosis
- 12.30 – 12.45 COSTANZA GIANNÌ**
The association between white matter chronic neuroinflammation and
degeneration in multiple sclerosis: a combined 11C-PBR28 PET-MRI study
- 12.45 – 13.00 DISCUSSION AND CONCLUSIONS**
Chairs: Benedetta Bodini, Martina Absinta
- 13.00 – 14.30 LUNCH AND POSTER PRESENTATION**
- 14.30 – 17.50 NEUROREHABILITATION AND QUALITY OF LIFE**
Chairs: Davide Cattaneo, Jaume Sastre Garriga, Carlo Trompetto
- 14.30 – 15.00 JAUME SASTRE GARRIGA**
Mc Donald Criteria and neurorehabilitation treatments
- 15.00 – 15.20 AMBRA GIOVANNETTI**
Italian set up of the program “REsilience and Activity every DaY for MS”,
of outcomes, and pilot assessment of efficacy using a mixed methodology
(READY-It-MS)
- 15.20 – 15.35 ALESSANDRA SOLARI**
Advance care planning in multiple sclerosis:
pilot study (ConCure-SM phase 2 study)
- 15.35 – 15.50 FRANCESCO PAGNINI**
The role of illness expectations in the course of multiple sclerosis
- 15.50 – 16.05 LUCA PROSPERINI**
Using home-based exergames to improve cognitive function in
multiple sclerosis: a multicenter, randomized, non-inferiority trial

- 16.05 – 16.20 **MARCO BOVE**
Monitoring and integrating the rehabilitative process of person with multiple sclerosis by means of a prosthetic aid with biofeedback
- 16.20 – 16.35 **COFFEE BREAK**
- 16.35 – 16.50 **MAURA CASADIO**
Assessment and personalized training of driving skills in people with multiple sclerosis
- 16.50 – 17.05 **FRANCA DERIU**
Measuring the impact of common exercise programs on subjective and objective fatigue during daily living activities in people with multiple sclerosis
- 17.05 – 17.20 **MARIA GRAZIA GRASSO**
To evaluate the activity and the efficacy of traditional swallowing therapy (TST) plus neuromuscular electrostimulation (NMES) vs TST plus sham-NMES in MS patients with dysphagia
- 17.20 – 17.35 **SARA ISERNIA**
A feasibility pilot study on Lee Silvermann Voice Treatment (LSVT)-Loud on voice intensity and voice use in daily living in people with multiple sclerosis: a telerehabilitation approach
- 17.35 – 17.50 **DISCUSSION AND CONCLUSIONS**
Chairs: Davide Cattaneo, Jaume Sastre Garriga, Carlo Trompetto
- 20.00 SOCIAL DINNER**

MAY 29th 2025

MEETING RESEARCH PRIORITIES: THE AGENDA OF PEOPLE WITH MS AND OTHER RELATED DISORDERS

THE STEM CELLS LOVE STORY

9.20 – 9.30 GIANLUIGI MANCARDI
Introduction

9.30 – 10.00 PAOLO MURARO
Autologous haematopoietic stem cell transplantation for
treatment of multiple sclerosis and neuromyelitis optica spectrum
disorder – recommendations from ECTRIMS and the EBMT

10.00 – 11.50 **TOWARDS NEW TREATMENTS**
Chairs: Valerio Chiurchiù, Roberta Magliozzi, Paolo Muraro

10.00 – 10.20 GIUSEPPE MATARESE
Targeting diet and overweight during MS:
unveiling the CalerieMS trial

10.20 – 10.35 STEFANO PREVITALI
Targeting senescence to revert neurodegeneration
in a mouse model of progressive MS

10.35 – 10.50 ELISABETTA VOLPE
Astrocytes and interleukin-9:
a novel axis regulating neuroinflammation and
neurodegeneration in progressive multiple sclerosis?

10.50 – 11.05 ERMANNA TURANO
Intranasal administration of extracellular vesicles derived from adipose
mesenchymal stem cells (ASC-EVs) in experimental autoimmune
encephalomyelitis: a novel therapeutic strategy for MS

- 11.05 – 11.20 **FRANCESCA FALLARINO**
Targeting cellular prion protein in multiple sclerosis
- 11.20 – 11.35 **FRANCESCA RONCHI**
The gut-brain axis: how microbiota and diet influence multiple sclerosis development and protection
- 11.35 – 11.50 **DISCUSSION AND CONCLUSIONS**
Chairs: Valerio Chiurchiù, Roberta Magliozzi, Paolo Muraro
- 11.50 – 12.00 PRIZES AND AWARDS SESSION**
Best Poster Award to young researcher fellowships
- 12.00 – 13.30 LUNCH AND POSTER PRESENTATION**
- 13.30 – 16.40 **ITALIAN MS REGISTER AND RELATE DISORDER: 10 YEARS OF DATA**
Chairs: Mario Alberto Battaglia, Maria Trojano
- 13.30 – 13.50 **MARIO ALBERTO BATTAGLIA**
The contribution of the Italian MS Society and its Foundation
- 13.50 – 14.10 **MARIA TROJANO**
The contribution of national and international MS centers and national registers
- 14.10 – 14.25 **ROBERTO BERGAMASCHI**
Air pollution as a risk factor of multiple sclerosis.
An ecological study in the Italian population (the AIRMUS study)
- 14.25 – 14.40 **MAURIZIO LEONE**
Integrating genetic and phenotypic data from the PROGEMUS data-base and the Italian Multiple Sclerosis registry

- 14.40 – 14.55 **MARTA SIMONE**
Multicentre, prospective/retrospective, randomised, open label pragmatic trial to compare the effectiveness and safety of interferon beta-1a (IFN beta-1a) administered weekly i.m. and glatiramer-acetate (GA) in pediatric patients affected by multiple sclerosis
- 14.55 – 15.10 **EMILIO PORTACCIO**
Towards a unified definition of progression independent of relapse activity in relapsing multiple sclerosis
- 15.10 – 15.25 **SHALOM HAGGIAG**
Real-World comparison of Cladribine and S1P receptor modulators in treatment, naive relapsing MS: a Propensity Score, matched study
- 15.25 – 15.40 **CARLA TORTORELLA**
Clinical and radiological prognostic factors in Neuromyelitis Optica Spectrum Disorders (NMOSD) and Myelin Oligodendrocyte Glycoprotein Antibody-Associated Disease (MOGAD). A cohort analysis by Italian MS National Registry through the implementation of a specific data set
- 15.40 – 15.55 **CLARA CHISARI**
Clinical and neuroradiological findings in patients with late-onset multiple sclerosis (LOMS)
- 15.55 – 16.10 **CLARA CHISARI**
Active and non-active Secondary Progressive Multiple Sclerosis patients exhibit similar disability progression: results of an Italian MS Registry study (ASPERA)
- 16.10 – 16.25 **ERMELINDA DE MEO**
Phenotyping progression in multiple sclerosis
- 16.25 – 16.40 **DISCUSSION AND CONCLUSION**
Chairs: Mario Alberto Battaglia, Maria Trojano

16.40 CONCLUSIONS



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