



JAMS

Sala della Pace

Centro Congressi Colle del Paradiso

JAMS Scientific Committee

Sebastiano Bucello
Marinella Clerico
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Luigi Lavorgna

Local Scientific Committee

Massimiliano Di Filippo
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Local Organizing Committee

Ermelinda De Meo
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Lorenzo Gaetani
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Razionale

Nata nel 2018 dall'intuizione di un gruppo di giovani neurologi con consolidata esperienza clinica e scientifica nella gestione della Sclerosi Multipla, la Junior Academy of Multiple Sclerosis (JAMS) raggiunge nel 2026 l'ottava edizione, confermandosi un appuntamento di riferimento per la formazione delle nuove generazioni di medici che si avvicinano allo studio delle malattie infiammatorie del sistema nervoso centrale.

L'edizione 2026 è coordinata dal Prof. Massimiliano Di Filippo (Università di Perugia) e dal Prof. Emilio Portaccio (Università di Firenze) e si svolgerà nella suggestiva cornice di Assisi, luogo ideale per un confronto scientifico stimolante e partecipato.

Il programma, articolato su tre giornate di lavori, propone un percorso formativo dinamico e interattivo: verranno approfonditi i più recenti avanzamenti sui meccanismi patogenetici, sui criteri diagnostici e sugli algoritmi terapeutici della Sclerosi Multipla e delle malattie infiammatorie del sistema nervoso centrale. Ampio spazio è dedicato, come da tradizione, alla valorizzazione dei giovani neurologi, che presenteranno idee, progetti originali e contributi scientifici all'interno delle diverse sessioni e delle ormai consolidate "JAMS Auditions", vero laboratorio di confronto e crescita professionale.

24 September 2026

13.30-14.30 *Light Lunch*

14.30-15.00 **Opening remarks**

JAMS and local committees.

Institutional welcome remarks.

**Musical intro: “Dolce sentire”, from San Francesco
“Cantico delle Creature”**

Cinzia Cordioli and Elisabetta Signoriello

Presented by Emilio Portaccio

15.00-15.40 **Ethics and care**

- **Stay human: person-centered care in the era of modern medicine**

Fra Emanuele Rimoli

- **How to approach the chronic illness: an ethical perspective**

Francesca Scamardella

Chairs: Massimiliano Di Filippo, Emilio Portaccio

15.40-16.10 **Dialogues: special lecture**

Brain and numbers across species

Elena Eccher

Presented by Massimiliano Di Filippo

16.10-16.30 **Horizons**

- **Neurofilament light chain and GFAP to support the diagnosis of multiple sclerosis**

Valerio Nicoletta, JAMS auditions winner 2025

- **JAMS Paper Award Lecture**

Alessandro Maglione

Chair: Sebastiano Bucello

16.30-17.00 **Coffee break**

17.00-18.00 **Disease mechanisms and network failure in MS**

- **The adaptive immune system: from physiology to MS pathology**

Alice Laroni

- **Network disconnection in MS: MRI evidence**

Massimiliano Calabrese

- **Synaptic failure and brain connectome disruption in the MS brain**

Laura Bellingacci

*Chairs: Andrea Mancini, Damiano Marastoni,
Claudio Procaccini*

18.00-18.30 **Silences**

Metabolic engines and their failure: implications for MS

Stefano Pluchino

Presented by Roberta Lanzillo

25 September 2026

07.30-09.00 **Breakfast with the expert (non ECM)**

Shinrin-yoku: embracing the forest

Giovanna Borriello

09.00-09.30 **Translations**

Emerging blood and CSF biomarkers for multiple sclerosis

Ahmed Abdelhak

Presented by Massimiliano Di Filippo

09.30-10.45 **“MS diagnostic criteria for dummies”**

- **“At the core of the sign: the central vein”**

Ermelinda De Meo

- **“At the border of the lesion: learning to see the rim”**

Paolo Preziosa

- **“The fifth site: a focus on the optic nerve”**

Alessia Bianchi

- **“K index”: instructions for use**

Elena Di Sabatino

- **“Lost in time and space: MS diagnosis 1 year later”**

Marcello Moccia

Chairs: Claudio Gasperini, Maria Laura Stromillo

10.45-11.15

Coffee break

11.15-12.00 **MS players and their biomarkers**

- **The astrocyte**
Roberto Furlan
- **The microglial cell**
Aletta Van Den Bosch
- **The neuroaxonal unit**
Daniela Terracciano

*Chairs: Marinella Clerico, Lorenzo Gaetani,
Sara Mariotto*

12.00-13.00 **Grey zones: MS controversies**

- **Enhancing contrasts: do we still need gadolinium?**
Serena Ruggieri
- **Treating MS in the older: where does the balance tip?**
Luca Prosperini
- **People with asymptomatic MS: to treat or not to treat?**
Pietro Annovazzi
- **Mind vs brain: the MS prototype**
Giulia Manculini

*Chairs: Lorena Lorefice, Paolo Ragonese,
Margherita Russo*

13.00-14.30 **Lunch**

14.30-16.00 **Building new evidence: JAMS pitch auditions**

- 1 Identification of EBNA1-specific B-cell signatures in multiple sclerosis**
Chiara Ballerini
- 2 Peripheral B-cell reconstitution during pregnancy as a predictor of postpartum disease activity in women with multiple sclerosis treated with anti-CD20 therapy**
Silvia Bartolomeo
- 3 The intrathecal proteostasis failure hypothesis: a missing link between compartmentalized inflammation and neurodegeneration in multiple sclerosis**
Pietro Antonio Bruno
- 4 Investigating the role of intrathecal B cell-associated soluble mediators in human microglial activation in multiple sclerosis**
Francesca Chiappetta
- 5 K index, NfL and GFAP at multiple sclerosis onset: a CSF framework for early prognostic stratification**
Valentina Ciampana
- 6 Dream experience in multiple sclerosis: a cross-sectional study**
Flavia Coviello
- 7 Gut and sleep markers for early cognitive decline in stable relapsing MS: do they add to neurofilament and brain MRI?**
Jacopo d'Angiò

8 Clinical, radiological, and immunophenotypic predictors of long-term efficacy and retreatment need beyond 4 years with cladribine in multiple sclerosis

Valeria De Giuli

9 Mapping maternal brain remodelling in multiple sclerosis mothers: a longitudinal multimodal study

Valentina Di Gianvito

10 Redefining cognitive fatigability assessment in multiple sclerosis through ecological and multimodal biomarkers

Elisa Leveraro

11 Gut microbiota and metabolomic signatures of psychiatric comorbidities in multiple sclerosis

Marta Morra

12 Trajectory of psychiatric symptoms across the disease course of multiple sclerosis

Ludovica Quattrucci

Chairs: Sebastiano Bucello, Paolo Immovilli

Discussants: Doriana Landi, Marcello Moccia

16.00-17.00 **Coffee break and poster discussion**

Presentations listed at the end of this programme

Chairs: Jessica Frau, Alberto Gajofatto,

Raffaele Palladino

17.00-18.00 **Beyond first and second treatment lines**

- **“Targeting adaptive immunity”: strategies to prevent focal inflammatory damage**

Marco Capobianco

- **“Targeting innate immunity”: tackling irreversible disease progression**

Elisabetta Signoriello

- **“Targets and strategies for the future”: CAR-T cells for the MS specialist**

Antonio Pierini

*Chairs: Alice Mariottini, Lucia Moiola,
Damiano Paolicelli*

18.00-19.30 **Test yourself: pre-dinner JAMS neurological quiz (non ECM)**

Chair: Luigi Lavorgna for the JAMS Committee

09.15-10.00 **Lecture**

MS as a continuum: is it time to reconsider phenotypes? From prodromes to RIS, the evolution toward early diagnosis.

Maria Pia Amato

Presented by Emilio Portaccio

10.00-11.00 **In hindsight: what would you have done differently?**

- *Ludovica Quattrucci, Perugia*
- *Chiara Ballerini, Firenze*
- *Nicola Cavalli, Genova*
- *Valentina Di Gianvito, Roma*

*Chairs: Eleonora Cocco, Anna Maria Repice,
Silvia Sperandei*

11.00-11.20 **Coffee break**

11.20-12.40 **Contaminations in neuroimmunology**

- **Diagnostic criteria and the evolving therapeutic landscape of NMOSD**

Sara Mariotto

- **Treating MOGAD: dispelling the clouds**

Carla Tortorella

- **Pediatric MS: peculiarities and strategies**

Massimiliano Valeriani

- **Peripheral demyelination: insights from CIDP**

Matteo Gastaldi

*Chairs: Antonio Carotenuto, Paola Cavalla,
Letizia Leocani*

12.40-13.00 **Conclusions (JAMS Committee)**

JAMS Auditions winner

JAMS Posters winner

Welcome to JAMS 2027

Poster Session — List of Presentations

- **From childhood to adulthood: myelin autoantibody profile in acute demyelinating encephalomyelitis (ADEM)**

Enrico Gabriele Acquafredda

- **The prognostic role of multimodal evoked potentials in multiple sclerosis and its mimics (neuromyelitis optica spectrum disorder and MOG associated disease) – an observational retrospective monocentric study**

Corrado Ballestracci

- **Longitudinal changes in optic chiasm volume on MRI in multiple sclerosis: disentangling the contribution of optic neuritis and diffuse neurodegeneration**

Fabio Bonomi

- **Silent progression beyond EDSS: does bladder and bowel dysfunction represent an independent dimension of multiple sclerosis progression?**

Mirko Bruno, Elisabetta Signoriello

- **Pathway-level plasma proteomics in adult-onset and late-onset multiple sclerosis: disentangling disease biology from aging**

Vincenzo Criscuolo

- **Age-stratified trajectories of plasma biomarkers in newly diagnosed multiple sclerosis**

Ilaria Delle Cave

- **Towards a better prognostic stratification of asymptomatic multiple sclerosis: the role of neurofilament light chain**

Edoardo Emiliano

- **Spinal cord lesions and sphincter dysfunction as clinico-radiological correlates of sexual dysfunction in multiple sclerosis**

Valentina Gasparini, Mattia Pozzato, Elena Mutta, Andrea Bellomo, Marta Dentoni, Clara Guaschino, Pietro Annovazzi

- **CSF T- and B-cell signatures as correlates of MRI disease burden**

Enis Guso

- **Disentangling inflammation-driven and primary neurodegeneration in multiple sclerosis through longitudinal assessment of the optic nerve**

Stefania Lago

- **A composite biomarker score based on kappa free light chain index and neurofilament light chain for predicting progression independent of relapse activity in multiple sclerosis**

Valeria Masillo

- **Genetic and immunological determinants of B-cell kinetics in multiple sclerosis patients on anti-CD20 therapies**

Francesca Napoli

- **Real-world efficacy of subcutaneous versus intravenous natalizumab in an extended-interval dosing cohort**

Jodie Cristina Polovina

- **Exploring abuse in multiple sclerosis: insights from patients and healthcare providers in Italy – the SocialMS 2.0 study**

Marta Ponzano

- **Cortical excitability changes in neuromyelitis optica spectrum disorder: insights from transcranial magnetic stimulation and clinical correlations - a multicentric study**

Davide Ranucci

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DIPARTIMENTO
DI MEDICINA E CHIRURGIA



UNIVERSITÀ
DEGLI STUDI
FIRENZE

Dipartimento di Neuroscienze,
Psicologia, Area del Farmaco
e Salute del Bambino
Eccellenza 2023-2027

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