



JUNIOR  
ACADEMY  
of  
MULTIPLE  
SCLEROSIS

# JAMS 2023

## Programma

### ROMA 21-23 Settembre

#### Cinema Troisi

Via Girolamo Induno, 1

#### Scientific Committee

Sebastiano Bucello  
Marinella Clerico  
Roberta Lanzillo

#### Local Committee

Doriana Landi  
Luca Prosperini

### RAZIONALE SCIENTIFICO

Siamo giunti alla quinta edizione dell'evento "Junior Academy in Multiple Sclerosis" (JAMS), un appuntamento ormai consolidato per discutere e condividere il passato, il presente e il futuro della ricerca in ambito di Sclerosi Multipla e altre malattie demielinizzanti.

JAMS 2023 sarà coordinato dalla Dr.ssa Doriana Landi (Policlinico Universitario Tor Vergata) e dal Dr. Luca Prosperini (Osp. S. Camillo-Forlanini di Roma), con l'obiettivo di coinvolgere giovani neurologi nel dibattito sui temi più spinosi legati alla gestione della patologia demielinizzante e sulle più recenti novità in campo sia clinico che sperimentale.

Il programma si articolerà in tre giornate durante le quali si discuterà, in una modalità interattiva e coinvolgente, di malattie demielinizzanti alternative alla Sclerosi Multipla, di algoritmi di trattamento, del contributo della tecnologia per migliorare la funzione motoria e cognitiva, di molecole innovative, di approcci terapeutici non-farmacologici, di gestione delle forme progressive di malattia.

Ampio spazio sarà lasciato ai giovani neurologi nello spazio "JAMS audition", con lo scopo di presentare e condividere progetti originali ed innovativi volti a migliorare il management della Sclerosi Multipla e delle malattie demielinizzanti.

## GIOVEDÌ 21 SETTEMBRE

**12.00: Registration**

**13.00-14.00: Light Lunch**

**14.00: Welcome and opening**

Scientific Committee: Roberta Lanzillo, Sebastiano Bucello, Marinella Clerico

Local Committee: Doriana Landi, Luca Prosperini

**JAMS Session: Pills of past**

Chair: **Sebastiano Bucello**

**14.15-14.30:** Relazione vincitore Auditions 2022 – **Alessandro Maglione**

**JAMS Session: JAMS LECTURE**

Chairs: **Doriana Landi, Luca Prosperini**

**14.30-15.00:** Cancer Immunology – **Francesco Pantano**

**JAMS Session: Pills of present**

**15.00-16.00: *CNS autoimmunity beyond MS***

Chairs: **Carla Tortorella, Marco Capobianco**

15.00-15.15: Antibody-mediated WM diseases across age (NMO & MOGAD) – **Sara Mariotto**

15.15-15.30: Seronegative NMO-spectrum diseases – **Matteo Gastaldi**

15.30-15.45: Drug-induced demyelination – **Rosanna Cortese**

15.30-16.00: QUESTIONS & ANSWERS

**16.00-16.30: Coffee break**

**16.30-18.00: *Hot topics in MS treatments today***

Chairs: **Girolama Alessandra Marfia, Antonio Carotenuto**

16.30-16.45: sequencing – **Elisabetta Signoriello**

16.45-17.00: discontinuation – **Lorena Lorefice**

17.00-17.15: pregnancy and fertility – **Luigi Carbone**

17.15-17.30: QUESTIONS & ANSWERS

**VENERDI 22 SETTEMBRE**

## **JAMS Session: Pills of future**

### **09.30-11.00: Human augmentation**

Chairs: **Luca Prosperini, Marinella Clerico**

09.30-09.45: Augmented reality, virtual reality and metaverse – **Francesca Baglio**

09.45-10.00: Human-machine interface – **Giovanni Di Pino**

10.00-10.15: Robots and exoskeletons – **Andrea Tacchino**

10.15-10.30: Pharmacological neuromodulation – **Valentina Tomassini**

10.30-11.00: QUESTIONS & ANSWERS

### **11.00-11.30: Coffee break**

### **11.30-13.00: Future treatment strategies**

Chairs: **Doriana Landi, Diana Ferraro**

11.30-11.45: BTK from benchmark to bedside – **Martina Severa & Serena Ruggieri**

11.45-12.00: Remyelination: YES vs. NO – **Benedetta Bodini & Roberta Magliozzi**

12.00-12.15: Therapeutic infection: YES vs. NO – **Simona Rolla & M. Chiara Buscarinu**

12.15-12.30: Electric and magnetic neuromodulation YES vs NO – **Letizia Leocani & Carolina Gabri Nicoletti**

12.30-13.00: QUESTIONS & ANSWERS

### **13.00-14.30: Lunch**

### **14.30-17.30: JAMS Auditions**

Chairs – **Paolo Immovilli, Sebastiano Bucello, Doriana Landi, Luca Prosperini, Matilde Inglese**

International committee: **Benedetta Bodini**

#### **Biomarkers**

- Identification of the pathological neuronal cell death mechanisms and correlates in Multiple Sclerosis. - **Elena Barusolo**
- The brain-immune ecosystem: B cells as drivers of psychiatric manifestations in MS? - **Elena Di Sabatino**
- Proteomic analysis of CSF and serum in the early stage of Multiple Sclerosis and Neuron elitis Optica: relationship with disease condition and out comes. - **Giada Pisano**

- Identification of an anti-EBV serological signature in prodromal and definite Multiple Sclerosis. - **Gianmarco Bellucci**
- Lipidomics in Multiple Sclerosis: possible biomarkers and future application. - **Valerio Nicoletta**

### MRI

- Smoldering lesions in recent-onset Multiple Sclerosis: a prospective study. - **Alessandra Cicia**
- Glymphatic system assessment in multiple sclerosis and idiopathic intracranial hypertension and association with sleep function. - **Antonio Esposito**
- Network centrality and dynamics in cognitively or physically resilient multiple sclerosis patients: a functional MRI study. - **Antonio Luca Spiezia**

### *16.00-16.15: Coffee break*

- Understanding different neuroradiological profiles between MS patients positive and negative for anti-MOG antibodies: a retrospective cohort study. - **Antonio Malvaso**
- ESTimation of AGE in Multiple Sclerosis LESions from Magnetic Resonance Imaging (STAGE-LES). - **Luca Bollo**
- Opportunities for action: investigating body representation and body-space interaction in Multiple Sclerosis - **Paola Ajdinaj**
- The impact of epilepsy on multiple sclerosis from a clinical and radiological perspective. - **Valeria Pozzilli**

### Therapy & Care

- Assessing Melanoma Susceptibility Among Multiple Sclerosis Patients Under Various Disease-Modifying Therapies. - **Francesca Napoli**
- Centro-lateral thalamic nucleus ablation through magnetic resonance-guided focused ultrasound in the treatment of resistant neuropathic pain in MS patients. - **Michele Andolina**
- A comprehensive overview of social determinants of health among patients with Multiple Sclerosis in Italy. - **Marta Ponzano**
- Impact of NTZ treatment on NfL levels during pregnancy in Multiple Sclerosis, a retrospective analysis. - **Silvia Bartolomeo**

**20:30: Incontro con l'esperto – Diego Centonze**

**SABATO 23 SETTEMBRE**

**JAMS Session: Timeless Pills**

Chairs: **Doriana Landi, Luca Prosperini**

09.00-10.00: Lecture: Progressive MS care – **Giancarlo Comi**

**10.00-12.30: *Management of progressive MS***

Chairs: **Claudio Gasperini, Eleonora Cocco**

10.00-10.30: Prognostication: clinical measures vs. MRI metrics vs. lab biomarkers – **Alessio Signori, Paolo Preziosa, Massimiliano Di Filippo**

10.30-11.00: Spasticity: GABA modulation vs. CB-modulation vs. neuromuscular junction block – **Cinzia Cordioli, Giancarlo Coghe, Marcello Moccia**

**11.00-11.30: Coffee Break**

11.30-12.00: Cognition: pharmacological vs. rehabilitation approach – **Laura De Giglio & Emilio Portaccio**

12.00-12.30: Treatment decision-making: patient-oriented vs. doctor-driven vs data-driven – **Raffaella Cerqua, Viviana Nociti, Francesca Bovis**

**12.30-13.00: Closing remarks**

Chairs: **Roberta Lanzillo, Sebastiano Bucello, Marinella Clerico**

12.30-12.45: Premiazione JAMS auditions

12.45-13.00: Presentazione del JAMS 2024

Con il contributo incondizionato di:



PHARMACEUTICAL COMPANIES OF *Johnson & Johnson*



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