



## Monday | May 16

### Seminars

**Chairs:** Diana Ferraro (Modena) & Andrea Cossarizza (Modena)

11:00 - 11:45 **Oltre la pandemia. Cosa ha imparato Merck e quale il supporto al viaggio del paziente affetto da SM**

*Francesco Assogna (Head of Medical Affairs Neurology & Immunology Merck)*

11:45 - 12:30 **Complement system as key target in neurological autoimmune disease: how its inhibition changes the course of disease in NMOSD and gMG**

*Federica Sottana (Senior Director Medical Affairs Alexion)*

12:30 - 13:15 **Cosmos: il futuro di Sanofi in neurologia**

*Margaret Mondino (Medical Lead Multiple Sclerosis Sanofi)*

13:15-14:00

*Lunch Break*

**Chairs:** Martina Severa (Roma) & Diego Centonze (Roma)

14:00-14:45 **Roadmap to the future: a journey through our pipeline**

*Paola Marcon (Sr Clinical Country and Site Lead Biogen)*

14:45-15:30 **Immunologia di Ofatumumab e profilo clinico**

*Massimiliano De Micco (Medical Lead Neurosciences Novartis)*

15:30-16:15 **Roche's commitments to Neuroscience**

*Alexander Kulla (Global Medical Franchise Head, Neuroimmunology Roche)*

16:15-16:45 **Iniziative di rete nazionale**

*Mario Battaglia (Presidente FISM)*

16:45-17:15 **Brains on Fire: patient outcomes and quality of life following autoimmune encephalitis**

*Ava Easton (Chief Executive, Encephalitis Society UK)*

17:15-17:45

*Coffee Break*

### Session 1 L'immagine dello Specchio (Face to Face)

**Chairs:** Giovanna Borsellino (Rome) & Roberto Furlan (Milan)

17:45-18:00 **Welcome remarks**

*Andrea Cossarizza (Modena), Diana Ferraro (Modena) & Martina Severa (Rome)*

18:00-18:45 **Mirror Mechanism and its Clinical Applications**

*Giacomo Rizzolatti (University of Parma, Italy) & Pietro Avanzini (Consiglio Nazionale delle Ricerche, Italy)*

18:45-19:30 **Pandemic History**

*Massimo Galli (Università di Milano, Italy)*

19:30

*Welcome Cocktail*



Tuesday | May 17

### Session 2 Gioventù Bruciata (Rebel without a Cause)

**Chairs:** Antonio Bruno (Pozzilli) & Giacomo Sferruzza (Milan)

09:00-09:40

**The Scientific Specialization and its Problems**

*Francesco Valagussa (Università Vita-Salute San Raffaele, Italy)*

09:40-10:00

**Modulation of synaptic plasticity by physical exercise**

*Livia Guadalupi (IRCCS San Raffaele / University of Rome San Raffaele, Italy) & Mario Stampanoni Bassi (IRCCS Neuromed, Italy)*

10:00-10:20

**Neuroimmunological signature from depression to COVID-19**

*Benedetta Vai (IRCCS Scientific Institute Ospedale San Raffaele) & Mario Gennaro Mazza (IRCCS Scientific Institute)*

10:20-10:30

**Discussioni/Oral**

10:30-11:15

*Coffee Break*

### Session 3 La Trappola (Breakdown)

**Chairs:** Gabriela Constantin (Verona) & Cinthia Farina (Milan)

11:15-12:00

**A transformed view of brain-immune system relationships: Immunotherapy to defeat neurodegenerative diseases with the help of the immune system**

*Michal Schwartz (Weizmann Institute of Science, Israel)*

12:00-12:15

**#45 CSF inflammatory markers associate with accumulation of cortical atrophy in early multiple sclerosis**

*Arianna Scartezzini (University of Verona, Italy)*

12:15-12:30

**#22 Astrocytes as therapeutic tool in multiple sclerosis**

*Sandra Abdullatef (Vita-Salute San Raffaele University, Italy)*

12:30-12:45

**#19 TLRs-CD44-ECM in the modulation of immune cells trafficking and of lesions' distribution during Multiple Sclerosis**

*Gabriele Di Sante (University of Perugia, Italy)*

12:45-13:00

**#40 A role for CD8+ T cell dysregulation in the pathogenesis of Alzheimer's-like disease**

*Eleonora Terrabuio (University of Verona, Italy)*

13:00-13:15

**#20 Liposome-based nanoparticles modulate Macrophage and T cell regulatory and effector phenotypes in Multiple Sclerosis patients**

*Francesco Ria (Università Cattolica del Sacro Cuore, Italy)*

13:15-15:00

*Lunch Break*

### Session 4 Blade Runner

**Chairs:** Matteo Gastaldi (Pavia) & Carlo Antozzi (Milan)

15:00-15:15

**Introduction NINA Group**

15:15-16:00

**B cell immunity and autoimmunity**

*Rita Carsetti (Bambino Gesù Children Hospital, Italy)*



- 16:00-16:15                    **#14 B lymphocyte phenotypic switches during treatment with cladribine in MS patients**  
*Marta Pirronello (Fondazione Santa Lucia, Italy)*
- 16:15-16:30                **#21 A world without B cells: the influence of Ocrelizumab-induced B cell depletion in Multiple sclerosis**  
*Lorenzo De Marco (IRCCS Fondazione Santa Lucia, Italy)*
- 16:30-17:00  
*Coffee Break*
- 17:00-17:15                **#43 B cell subset dynamic during pregnancy and early post-partum in women with Multiple Sclerosis**  
*Martina Severa (Istituto Superiore Sanità, Italy)*
- 17:15-17:30                **#29 CSF B cell and neuroaxonal damage biomarkers: correlation with relapses and long-term disability in MS**  
*Krzysztof Smolik (University of Modena and Reggio Emilia, Italy)*
- 17:30-17:45                **#35 Laboratory diagnostic strategies for identification of antibodies against neuronal surface antigens in autoimmune encephalitis**  
*Stefano Masciocchi (University of Pavia, Italy)*

### Session 5 La Grande Bellezza (The Great Beauty)

**Chairs:** Antonio Uccelli (Genoa) & Vincenzo Barnaba (Rome)

- 17:45-18:30                    **The role of neural stem cells in the adult brain: from physiology to therapy**  
*Gianvito Martino (San Raffaele Scientific Institute, Italy)*
- 18:45-19:45  
 AINI Annual Football Match (Beach Football)
- 21:00-to dawn  
 AINI Social Dinner

## Wednesday | May 18

### Session 6 Amarcord (I remember)

**Chairs:** Diana Ferraro (Modena) & Luca Battistini (Roma)

- 09:15-10:00                    **Secreted immune checkpoints in tumor immune dysfunction: an opposite lesson for autoimmunity**  
*Vincenzo Barnaba (Sapienza Università di Roma, Italy)*
- 10:00-10:15                **#15 Modulation of pro-inflammatory cytokine release by innate immune cells in pwMS during Ocrelizumab treatment**  
*Silvia D'Orso (Santa Lucia Foundation, Italy)*
- 10:15-10:30                    **#33 Effects of Ocrelizumab on NK cell activation in Multiple Sclerosis**  
*Gianmarco Abbadessa (University of Campania Luigi Vanvitelli, Italy)*
- 10:30-10:45                **#30 Defining post-translational modifications of deoxycytidine kinase to predict lymphocyte response to cladribine using mass spectrometry**  
*Federico Carlini (DINOGMI, Italy)*



10:45-11:00      **#47** Deployment of comprehensive high-parameter cytometry to contrast immune changes in PwMS under DMF, Ocrelizumab, Cladribine  
*Mario Picozza (Fondazione Santa Lucia, Italy)*

11:00-11:15      **#27** Multiple Sclerosis associated EBNA2 variants affect the response to pegylated interferon-therapy  
*Rosella Mechelli (Università Telematica San Raffaele, Italy)*

11:15-11:50  
*Coffee Break*

### Session 7 Psycho

**Chairs:** *Nicole Kerlero de Rosbo (Genoa) & Diego Centonze (Rome)*

11:50-12:10      **Introduction Immuno-Psychiatry/Immuno-Psychology Group**

12:10-13:00      **Mental health impact of Covid-19 pandemic**  
*Fabrizio Starace (AUSL Modena, Italy)*

13:00-14:30  
*Lunch Break*

### Session 8 La Grande Abbuffata (The Big Feast)

**Chairs:** *Martina Severa (Rome) & Marcello Pinti (Modena)*

14:30-15:15      **Immunological self-tolerance: bridging the gap among susceptibility to autoimmunity, infections and cancer**  
*Giuseppe Matarese (Università di Napoli Federico II)*

15:15-15:30      **#13** Impact of caloric restriction in patients with multiple sclerosis treated with dimethyl fumarate  
*Alice Verdiani (Fondazione Santa Lucia, Italy)*

15:30-15:45      **#44** Calorie restriction as a novel therapeutic tool to modulate immune system function during multiple sclerosis  
*Clorinda Fusco (Consiglio Nazionale Delle Ricerche IEOS-CNR, Italy)*

15:45-16:00      **#10**  $\beta$ 3-adrenergic receptor-expressing stromal cells in thymus: the watchmen of thymic function  
*Maria Cristina Mariani (University of Genoa DINO GMI, Italy)*

16:00-16:30  
*Coffee Break*

### Session 9 Quarto Potere (Citizen Kane)

**Chairs:** *Sara De Biasi (Modena), Rosella Mechelli (Roma), Patrizia Sola (Modena) & Claudio Procaccini (Napoli)*

16:30-18:00      **Poster Session**

18:00-19:00  
*AINI General Assembly*



## Thursday | May 19

### Session 10 Io sono Leggenda (I am legend)

**Chairs:** Clara Ballerini (Florence) & Marco Salvetti (Rome)

09:00-09:45

**Host-genetics in COVID-19**

*Alessandra Renieri (Azienda Ospedaliera Universitaria Senese, Italy)*

09:45-10:05

**Immune responses to SARS-CoV-2**

*Giovanna Borsellino (IRCCS Fondazione Santa Lucia, Rome, Italy)*

10:05-10:20

**#37 Effect of SARS-CoV-2 vaccination on natural killer cell responses in multiple sclerosis**

*Alice Laroni (University of Genoa, IRCCS Ospedale Policlinico San Martino, Italy)*

10:20-10:35

**#34 Immune responses during COVID-19**

*Manolo Sambucci (Santa Lucia Foundation, Italy)*

10:35-10:50

**#25 Neutralizing antibodies after booster of anti-SARS-CoV-2 vaccine in MS patients treated with high-efficacy therapies**

*Simona Rolla (University of Turin, Italy)*

10:50-11:15

*Coffee Break*

### Session 11 Coming Home

**Chairs:** Mario Picozza (Rome) & Roberto Furlan (Milan)

11:15-12:15

**AINI Controllo qualità**

*Matteo Gastaldi (Fondazione Mondino, Italy)*

12:15-13:00

*AINI Awards & Final Remarks*