

**“Breakthrough infections in MS” study group**

<b>Name Surname</b>	<b>Affiliation</b>
Agostino Giulio <b>Lanuto</b>	Federico II university of Naples
Alessandro <b>Giannotta</b>	Department of Medical Sciences, Surgery and Neurosciences, University of Siena
Alessia <b>Di Sapio</b>	Department of Neurology, Regina Montis Regalis Hospital, Mondovì, Italy
Alice <b>Laroni</b>	1 - Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health, University of Genova, Italy AND IRCCS Ospedale Policlinico San Martino, Genova, Italy 2 - IRCCS Ospedale Policlinico San Martino, Genova, Italy
Anastasia <b>Alteno</b>	Multiple Sclerosis Center, Department of Neuroscience, City of Health and Science University Hospital of Turin, Italy
Antonella <b>Conte</b>	1- Department of Human Neuroscience, Sapienza, University of Rome, Italy. 2- IRCCS Neuromed, Pozzilli (IS), Italy
Carlo <b>Serrati</b>	Ospedale Civile Imperia
Caterina <b>Lapucci</b>	IRCCS Ospedale Policlinico San Martino, Genova, Italy
Chiara Rosa <b>Mancinelli</b>	Centro Sclerosi Multipla ASST Spedali Civili di Brescia
Cinzia <b>Cordioli</b>	Centro Sclerosi Multipla ASST Spedali Civili di Brescia
Clara Grazia <b>Chisari</b>	Department of Medical and Surgical Sciences and Advanced Technologies, GF Ingrassia, University of Catania, Catania, Italy.
Daiana <b>Bezzini</b>	Department of Life Sciences, University of Siena
Damiano <b>Baroncini</b>	UOC Centro Sclerosi Multipla, ASST Valle-Olona, PO di Gallarate (VA)
Diana <b>Ferraro</b>	Department of Biomedical, Metabolic and Neurosciences, University of Modena and Reggio Emilia, Modena, Italy
Donata <b>Guidetti</b>	Guglielmo da Saliceto Hospital, Piacenza
Doriana <b>Landi</b>	Department of Systems Medicine, Multiple Sclerosis Clinical and Research Unit, Tor Vergata University, Rome, Italy
Eduardo <b>Nobile-Orazio</b>	1. Neuromuscular and Neuroimmunology Unit, IRCCS Humanitas Research Hospital, Rozzano, Italy 2. Department of Medical Biotechnology and Translational Medicine, Milan University, Milan, Italy
Elena <b>Di Sabatino</b>	Department of Medicine and Surgery, Section of Neurology, University of Perugia, Perugia, Italy
Eleonora <b>Cocco</b>	Centro Sclerosi Multipla Ospedale Binaghi Cagliari
Elisabetta <b>Signoriello</b>	II Division of Neurology, University of Campania Luigi Vanvitelli
Elvira <b>Sbragia</b>	Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health, University of Genova, Italy AND IRCCS Ospedale Policlinico San Martino, Genova, Italy

<b>Emanuele Cassano</b>	Department of Neurosciences, Reproductive Sciences and Odontostomatology, University of Naples "Federico II", Naples, Italy.
<b>Enri Nako</b>	Department of Neurology, Regina Montis Regalis Hospital, Mondovì, Italy
<b>Fabio Della Cava</b>	Ospedale Civile Imperia
<b>Flora Govone</b>	Department of Neurology, Regina Montis Regalis Hospital, Mondovì, Italy
<b>Francesca Bianchi</b>	Department of Clinical and Experimental Medicine, Neurology Unit, University of Pisa, Italy
<b>Francesca Caleri</b>	Department of Neurology, MS Center, F. Tappeiner Hospital Meran (BZ), Italy
<b>Francesca Ruscica</b>	U.O.C. Neurologia e Centro SM - Fondazione Istituto G. Giglio, Cefalù (Italy)
<b>Francesca Vitetta</b>	Neurology Unit, Azienda Ospedaliero-Universitaria of Modena, Modena, Italy
<b>Francesco Patti</b>	Department of Medical and Surgical Sciences and Advanced Technologies, GF Ingrassia, University of Catania, Catania, Italy.
<b>Gabriele Siciliano</b>	Department of Clinical and Experimental Medicine, Neurology Unit, University of Pisa, Italy
<b>Gaia Cola</b>	Department of Systems Medicine, Multiple Sclerosis Clinical and Research Unit, Tor Vergata University, Rome, Italy
<b>Giacomo Lus</b>	II Division of Neurology, University of Campania Luigi Vanvitelli
<b>Gianmarco Abbadessa</b>	Dipartimento di Scienze Mediche e Chirurgiche avanzate, Università della Campania Luigi Vanvitelli, Naples-Italy
<b>Gianmarco Bellucci</b>	Department of Neuroscience, Mental Health and Sensory Organs Sapienza University, S. Andrea Hospital, Rome
<b>Girolama Alessandra Marfia</b>	Department of Systems Medicine, Multiple Sclerosis Clinical and Research Unit, Tor Vergata University, Rome, Italy
<b>Giuditta Ilaria Scarano</b>	Department of Psychology, F. Tappeiner Hospital Meran (BZ), Italy
<b>Giuseppe Liberatore</b>	Neuromuscular and Neuroimmunology Unit, IRCCS Humanitas Research Hospital, Rozzano, Italy
<b>Giuseppina Miele</b>	Dipartimento di Scienze Mediche e Chirurgiche avanzate, Università della Campania Luigi Vanvitelli, Naples-Italy
<b>Graziella Callari</b>	U.O.C. Neurologia e Centro SM - Fondazione Istituto G. Giglio, Cefalù (Italy)
<b>Guido Urbano</b>	Dipartimento di Neuroscienze "Rita Levi Montalcini, Università di Torino
<b>Irene Schiavetti</b>	Department of Health Sciences, Section of Biostatistics, University of Genova, Italy
<b>Jessica Frau</b>	Centro Sclerosi Multipla Ospedale Binaghi Cagliari
<b>Leonardo Malimpensa</b>	Department of Human Neuroscience, Sapienza, University of Rome, Italy
<b>Lia Allegorico</b>	Nola Hospital "Santa Maria della Pietà", ASL Napoli 3 Sud, Nola (Na) Italy
<b>Livia Pasquali</b>	Department of Clinical and Experimental Medicine, Neurology Unit, University of Pisa, Italy

<b> Lorena Lorefice</b>	Centro Sclerosi Multipla Ospedale Binaghi Cagliari
<b>Lorenzo Gaetani</b>	Department of Medicine and Surgery, Section of Neurology, University of Perugia, Perugia, Italy
<b>Lucia Ruggiero</b>	Department of Neurosciences, Reproductive Sciences and Odontostomatology, University of Naples "Federico II", Naples, Italy
<b>Marco Salvetti</b>	Department of Neuroscience, Mental Health and Sensory Organs. Sapienza University, S. Andrea Hospital, Rome
<b>Marco Vercellino</b>	Multiple Sclerosis Center and 1st Division of Neurology, Department of Neuroscience, City of Health and Science University Hospital of Turin, Italy
<b>Maria Chiara Buscarinu</b>	Department of Neuroscience, Mental Health and Sensory Organs Sapienza University, S. Andrea Hospital, Rome
<b>Maria Francesca Creta</b>	1. Neuromuscular and Neuroimmunology Unit, IRCCS Humanitas Research Hospital, Rozzano, Italy 2. Department of Medical Biotechnology and Translational Medicine, Milan University, Milan, Italy
<b>Maria Laura Stromillo</b>	Clinica Neurologica e Malattie Neurometaboliche, Università degli Studi di Siena
<b>Maria Pia Sormani</b>	1- Department of Health Sciences, Section of Biostatistics, University of Genova, Italy 2- IRCCS Ospedale Policlinico San Martino, Genova, Italy
<b>Maria Rosaria Pennacchio</b>	Multiple Sclerosis Center, Aversa Hospital "San Giuseppe Moscati", ASL Caserta, Aversa (Ce) Italy
<b>Maria Teresa Ferrò</b>	Neuroimmunology, Center for Multiple Sclerosis, Cardiocerebrovascular Department, Neurological Unit, ASST Crema
<b>Maria Teresa Rilla</b>	Ospedale Civile Imperia
<b>Marinella Clerico</b>	Dipartimento di Scienze Cliniche e Biologiche, Università di Torino
<b>Massimiliano Di Filippo</b>	Department of Medicine and Surgery, Section of Neurology, University of Perugia, Perugia, Italy
<b>Matteo Scialabba</b>	U.O.C. Neurologia e Centro SM - Fondazione Istituto G. Giglio, Cefalù (Italy)
<b>Mauro Zaffaroni</b>	UOC Centro Sclerosi Multipla, ASST Valle-Olona, PO di Gallarate (VA)
<b>Monica Ulivelli</b>	Department of Medical Sciences, Surgery and Neurosciences, University of Siena
<b>Nicola De Stefano</b>	Clinica Neurologica e Malattie Neurometaboliche, Università degli Studi di Siena
<b>Paola Cavalla</b>	Multiple Sclerosis Center and 1st Division of Neurology, Department of Neuroscience, City of Health and Science University Hospital of Turin, Italy
<b>Paola De Mitri</b>	Guglielmo da Saliceto Hospital, Piacenza
<b>Paolo Immovilli</b>	Guglielmo da Saliceto Hospital, Piacenza
<b>Patrizia Sola</b>	Neurology Unit, Azienda Ospedaliero-Universitaria of Modena, Modena, Italy
<b>Pietro Annovazzi</b>	UOC Centro Sclerosi Multipla, ASST Valle-Olona, PO di Gallarate (VA)
<b>Raffaele Nardone</b>	1. Paracelsus Medical University, Department of Neurology, Salzburg-AU 2. Department of Neurology, F. Tappeiner Hospital Meran (BZ), Italy

<b>Renato Docimo</b>	Multiple Sclerosis Center, Aversa Hospital "San Giuseppe Moscati", ASL Caserta, Aversa (Ce) Italy
<b>Roberta Lanzillo</b>	Federico II university of Naples
<b>Rosa Iodice</b>	Department of Neurosciences, Reproductive Sciences and Odontostomatology, University of Naples "Federico II", Naples, Italy
<b>Rosanna Missione</b>	II Division of Neurology, University of Campania Luigi Vanvitelli
<b>Sarah Rasia</b>	Centro Sclerosi Multipla ASST Spedali Civili di Brescia
<b>Sebastiano Arena</b>	Department of Medical and Surgical Sciences and Advanced Technologies, GF Ingrassia, University of Catania, Catania, Italy.
<b>Simona Bonavita</b>	Dipartimento di Scienze Mediche e Chirurgiche avanzate, Università della Campania Luigi Vanvitelli, Naples-Italy
<b>Simona Rolla</b>	Dipartimento di Scienze Cliniche e Biologiche, Università di Torino
<b>Vincenzo Brescia Morra</b>	Federico II University of Naples
<b>Viola Baione</b>	Department of Human Neuroscience, Sapienza, University of Rome, Italy.