## Appendix 2

## Co-investigators

Name	Location	Role	Contribution
Patrizia Accorsi	ASST Spedali Civili of Brescia, Italy	Site investigator	Participant recruitment/follow-up
Enrico Alfei	"V. Buzzi" Children's Hospital, University of Milan, Italy	Site investigator	Participant recruitment/follow-up
Elena Andreucci	Meyer Children's University Hospital, Florence, Italy	Site investigator	Participant recruitment/follow-up
Gianluigi Ardissino	Fondazione IRCCS Ca' Granda, Ospedale Maggiore Policlinico, Milan, Italy	Site investigator	Participant recruitment/follow-up
Emanuela Avola	Oasi Research Institute- IRCCS, Troina, Italy	Site investigator	Participant recruitment/follow-up

Rita Barone	University of Catania; CNR, Catania, Italy	Site investigator	Participant recruitment/follow-up
Francesco Benedicenti	Regional Hospital of Bolzano, Italy	Site	Participant recruitment/follow-up
Stefania Bigoni	University Hospital of Ferrara, Italy	Site investigator	Participant recruitment/follow-up
Loredana Boccone	Microcitemie Regional Hospital, Brotzu Hospital, Cagliari	Site	Participant recruitment/follow-up
Maria T. Bonati	IRCCS Istituto Auxologico Italiano, Milan, Italy	Site investigator	Participant recruitment/follow-up
Stefania Bova	"V. Buzzi" Children's  Hospital, University of Milan,  Italy	Site	Participant recruitment/follow-up2
Marilena Briguglio	University of Messina, Italy	Site	Participant recruitment/follow-up

Silvana Briuglia	University of Messina, Italy	Site investigator	Participant recruitment/follow-up
Olga Calabrese	ASL Imola, Italy	Site	Participant recruitment/follow-up
Gaetano Cantalupo	University Hospital Verona, Italy	Site investigator	Participant recruitment/follow-up
Gianluca Caridi	IRCCS Istituto Giannina Gaslini, Genova, Italy	Site investigator	Participant recruitment/follow-up
Monica Cazzagon	Scientific Institute, IRCCS Eugenio Medea, Udine, Italy	Site investigator	Participant recruitment/follow-up
Maria E. Celle	IRCCS Istituto Giannina Gaslini, Genova, Italy	Site investigator	Participant recruitment/follow-up
Maria R. Cilio	University of California, San Francisco, CA, USA	Site investigator	Participant recruitment/follow-up
Giangennaro Coppola	University of Salerno, Italy	Site	Participant recruitment/follow-up

Adele D'Amico	IRCCS Bambino Gesù Children's Hospital, Rome, Italy	Site investigator	Participant recruitment/follow-up
Stefano D'Arrigo	IRCCS Foundation, Carlo Besta Neurological Institute, Milan, Italy	Site	Participant recruitment/follow-up
Daniele De Brasi	AORN Santobono Pausilipon, Naples, Italy	Site investigator	Participant recruitment/follow-up
Maria Fulvia de Leva	AORN Santobono Pausilipon, Naples, Italy	Site	Participant recruitment/follow-up
Ennio Del Giudice	Federico II University, Naples, Italy	Site	Participant recruitment/follow-up
Marilena Carmela Di Giacomo	AOR Ospedale "San Carlo", Potenza, Italy	Site investigator	Participant recruitment/follow-up
Maria Lucia Di Sabato	Sapienza University of Rome, Italy	Site	Participant recruitment/follow-up

Bruno Dallapiccola	IRCCS Bambino Gesù Children's Hospital, Rome, Italy	Site	Participant recruitment/follow-up
Raffaella Devescovi	IRCCS "Burlo Garofolo", Trieste, Italy	Site	Participant recruitment/follow-up
Maria Cristina Digilio	IRCCS Bambino Gesù Children's Hospital, Rome, Italy	Site investigator	Participant recruitment/follow-up
Ilaria Donati	AUSL, Cesena, Italy	Site	Participant recruitment/follow-up
Maria A. Donati	Meyer Children's Hospital, Florence, Italy	Site	Participant recruitment/follow-up
Maria T. Dotti	University of Siena, Italy	Site investigator	Participant recruitment/follow-up
Francesco Emma	IRCCS Bambino Gesù Children's Hospital, Rome, Italy	Site investigator	Participant recruitment/follow-up

Antonella Fabretto	IRCCS "Burlo Garofolo", Trieste, Italy	Site	Participant recruitment/follow-up
Elisa Fazzi	ASST Spedali Civili of Brescia; University of Brescia, Italy	Site investigator	Participant recruitment/follow-up
Alessandra Ferlini	University of Ferrara, Italy;	Site	Participant recruitment/follow-up
Alessandro	San Camillo-Forlanini	Site	Participant
Ferraris  Giovanni Battista  Ferrero	Hospital, Rome, Italy  University of Torino, Italy	Site investigator	Participant recruitment/follow-up
Anna Ficcadenti	Polytechnic University of Marche, Ospedali Riuniti, Ancona, Italy	Site investigator	Participant recruitment/follow-up
Simona Fiori	IRCCS, Stella Maris Foundation, Pisa, Italy	Site	Participant recruitment/follow-up

Rita Fischetto	Giovanni XXIII Children's Hospital, Bari, Italy	Site investigator	Participant recruitment/follow-up
Elena Freri	IRCCS Foundation, Carlo Besta Neurological Institute, Milan, Italy	Site	Participant recruitment/follow-up
Livia Garavelli	AUSL-IRCCS of Reggio Emilia, Reggio Emilia, Italy	Site	Participant recruitment/follow-up
Mattia Gentile	Di Venere Hospital, Carbonara, Bari, Italy	Site	Participant recruitment/follow-up
Lucio Giordano	ASST Spedali Civili of Brescia, Italy	Site	Participant recruitment/follow-up
Donatella Greco	Oasi Research Institute- IRCCS, Troina, Italy	Site	Participant recruitment/follow-up
Claudia Izzi	ASST Spedali Civili of Brescia, Italy	Site	Participant recruitment/follow-up

	Sapienza University of Rome,	Site	Participant
Vincenzo Leuzzi	Italy	investigator	recruitment/follow-up
Elisabetta	Scientific Institute IRCCS	Site	Participant
Lucarelli	Eugenio Medea, Brindisi, Italy	investigator	recruitment/follow-up
Silvia Majore	San Camillo-Forlanini	Site	Participant
~	Hospital, Rome, Italy	investigator	recruitment/follow-up
Maria M.	IRCCS Istituto Giannina	Site	Participant
Mancardi	Gaslini, Genova, Italy	investigator	recruitment/follow-up
	University of Siena; AOU	Site	Participant
Francesca Mari	Senese, Siena, Italy	investigator	recruitment/follow-up
Giuseppina	Fondazione IRCCS Ca'	Site	Participant
Marra	Granda, Ospedale Maggiore	investigator	recruitment/follow-up
	Policlinico, Milan, Italy	C	•
	S. Orsola Malpighi University	Site	Participant
Laura Mazzanti	Hospital, Bologna; University	investigator	recruitment/follow-up
	of Bologna, Italy	m, congulor	rectanding follow up

Daniela Melis	Federico II University, Naples, Italy	Site investigator	Participant recruitment/follow-up
Emanuele Micaglio	IRCCS Policlinico San  Donato, Milan, Italy	Site	Participant recruitment/follow-up
Marisol Mirabelli- Badenier	IRCCS Istituto Giannina Gaslini, Genova, Italy	Site investigator	Participant recruitment/follow-up
Isabella Moroni	IRCCS Foundation, Carlo Besta Neurological Institute, Milan, Italy	Site investigator	Participant recruitment/follow-up
Nardo Nardocci	IRCCS Foundation, Carlo Besta Neurological Institute, Milan, Italy	Site investigator	Participant recruitment/follow-up
Margherita Nosadini	University Hospital of Padua, Padua, Italy	Site investigator	Participant recruitment/follow-up
Simona Orcesi	IRCCS Mondino Foundation, Pavia, Italy	Site investigator	Participant recruitment/follow-up

Giovanni Pagani	University of Insubria, Varese, Italy	Site investigator	Participant recruitment/follow-up
Chiara Pantaleoni	IRCCS Foundation, Carlo Besta Neurological Institute, Milan, Italy	Site investigator	Participant recruitment/follow-up
Francesco Papadia	Giovanni XXIII Children's Hospital, Bari, Italy	Site	Participant recruitment/follow-up
Pasquale Parisi	Sapienza University of Rome; Sant'Andrea Hospital, Rome, Italy.	Site investigator	Participant recruitment/follow-up
Maria Grazia Patricelli	IRCSS San Raffaele Scientific Institute, Milan, Italy	Site investigator	Participant recruitment/follow-up
Cinzia Peruzzi	AOU della Carità, Novara, Italy.	Site investigator	Participant recruitment/follow-up
Alice Pessagno	IRCCS Istituto Giannina Gaslini, Genova, Italy	Site investigator	Participant recruitment/follow-up

Maria Piccione	University of Palermo, Italy	Site	Participant recruitment/follow-up
Antonella Pini	IRCCS Institute of Neurological Sciences, Bellaria Hospital, Bologna, Italy	Site investigator	Participant recruitment/follow-up
Tiziana Pisano	Meyer Children's University Hospital, Florence, Italy	Site investigator	Participant recruitment/follow-up
Livia Pisciotta	IRCCS Istituto Giannina Gaslini, Genoa; University of Genoa, Italy;	Site investigator	Participant recruitment/follow-up
Marzia Pollazzon	AUSL-IRCCS, Reggio Emilia, Italy	Site investigator	Participant recruitment/follow-up
Francesca Rivieri	Santa Chiara Hospital, Trento, Italy	Site investigator	Participant recruitment/follow-up
Alfonso Romano	Federico II University, Naples, Italy	Site investigator	Participant recruitment/follow-up

Corrado Romano	Oasi Research Institute- IRCCS, Troina, Italy	Site investigator	Participant recruitment/follow-up
Leonardo Salviati	University of Padova; Istituto di Ricerca Pediatrica, IRP, Padova, Italy	Site investigator	Participant recruitment/follow-up
Carmelo  Damiano  Salpietro	University of Messina, Italy	Site investigator	Participant recruitment/follow-up
Margherita Santucci	IRCCS Institute of Neurological Sciences, Bellaria Hospital, Bologna; University of Bologna, Italy	Site	Participant recruitment/follow-up
Emanuela Scarano	S. Orsola-Malpighi Hospital, Bologna, Italy	Site investigator	Participant recruitment/follow-up
Barbara Scelsa	"V. Buzzi" Children's  Hospital, University of Milan,  Italy	Site	Participant recruitment/follow-up

Alberto Sensi	AUSL della Romagna, Cesena, Italy	Site investigator	Participant recruitment/follow-up
Marco Seri	S. Orsola Malpighi University Hospital, Bologna; University of Bologna, Italy	Site investigator	Participant recruitment/follow-up
Sabrina Signorini	IRCCS Mondino Foundation, Pavia, Italy	Site investigator	Participant recruitment/follow-up
Margherita Silengo	University of Torino, Italy	Site investigator	Participant recruitment/follow-up
Alessandro Simonati	University of Verona, Italy	Site	Participant recruitment/follow-up
Fabio Sirchia	IRCCS "Burlo Garofolo", Trieste, Italy	Site	Participant recruitment/follow-up
Luigina Spaccini	"V. Buzzi" Children's Hospital, University of Milan, Italy	Site investigator	Participant recruitment/follow-up

Franco Stanzial	Regional Hospital of Bolzano, Italy	Site	Participant recruitment/follow-up
Gilda Stringini	IRCCS Bambino Gesù Children's Hospital, Rome, Italy	Site	Participant recruitment/follow-up
Eva Trevisson	University of Padova; Istituto di Ricerca Pediatrica, IRP, Padova, Italy	Site investigator	Participant recruitment/follow-up
Antonella Trivelli	IRCCS Istituto Giannina Gaslini, Genova, Italy	Site investigator	Participant recruitment/follow-up
Vera Uliana	University of Parma	Site investigator	Participant recruitment/follow-up
Graziella Uziel	IRCCS Foundation, Carlo Besta Neurological Institute, Milan, Italy	Site investigator	Participant recruitment/follow-up

Gessica Vasco	IRCCS Bambino Gesù Children's Hospital, Rome, Italy	Site investigator	Participant recruitment/follow-up
Marina Vascotto	University of Siena, Italy	Site investigator	Participant recruitment/follow-up
Giuseppina Vitiello	Federico II University, Naples, Italy	Site	Participant recruitment/follow-up
Federica Zibordi	IRCCS Foundation, Carlo Besta Neurological Institute, Milan, Italy	Site investigator	Participant recruitment/follow-up