

ESID Juniors Working Party Chair Candidate - Antonio Marzollo

SHORT BIO

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Antonio Marzollo graduates in 2008 in Medicine from Padua University (Italy) with a thesis regarding Cancer Stem Cells in Pediatric Acute Lymphoblastic Leukemia, under the supervision of Prof. Giuseppe Basso and Dr. Marinella Veltroni. Subsequently, he trains as a resident in Pediatrics (2009-2014) at the Padua University Hospital, with a particular interest in Pediatric Intensive Care and Pediatric Hematology and Oncology. He completes his Ph.D. in 2018 with a thesis on Hematopoietic Stem Cell Transplantation in Children with Non-malignant disorders. Finally, he attends the Centre d'Etudes des Déficits Immunitaires at the Necker Hospital in Paris for six months in 2016, under the supervision of Prof. Capucine Picard.

Since 2015, he has been employed in the Pediatric Hematology and Oncology Unit at the Padua University Hospital. He cares most for patients with Primary Immune Deficiency and undergoing Hematopoietic Stem Cell Transplantation. He is also the physician responsible for the genetic diagnosis of PID in the clinical setting through Next-Generation Sequencing at the Pediatric Hematology and Oncology Laboratory in Padua. In addition, he recently has been involved in the Gene Therapy Program at the Padua University Hospital, led by prof. Alessandra Biffi.

His research focuses mainly on the relationship between genetic lesions and the clinical phenotype of the patients and its effect on clinical management. He authored more than 40 peer-reviewed articles in several journals in the field of Immunology and Hematology, illustrating the role of specific biological mechanisms such as the loss of IFIH1 in the development of immune dysregulation and infection. These activities are also in collaboration with ESID working parties, the Italian network for Primary Immune Deficiency (IPINet), and other Italian and international centers.

He is the current Italian ESID Junior Country Representative (2020-2022). In this role, he participated in the Educational Activities of the ESID Junior working party, and especially the organization of online Journal Clubs and Clinical Case presentations. He also initiated a series of educational meetings for Italian Junior Immunologists aimed at providing basic knowledge regarding PIDs among residents and young professionals.

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