

## DR. ILARIA SCAMBI

Born in Vicenza on October 8, 1978. I graduated in 2003 at the University of Padua on Biological Science. I worked on project thesis about “Characterization of powerful macrophage-secreted myogenic factors and preliminary studies of miogenic and bone marrow precursors” with Dr. Libero Vitiello at Padua University and I continued the research activity with a fellow until 2005. Throughout 2005 I had a research fellow on the project “Therapeutic use of adult stem cells from adipose tissue (ADAS)”. On may 2009 I received PhD in Multimodal Imaging in Biomedicine at the University of Verona, Department of Morphological-Biomedical Science, under supervisor of Prof. Andrea Sbarbati and Dr. Mirco Galiè, as tutor of PhD, with a thesis “Therapeutic potential of stem cell plasticity and neoplastic”. I received a research grant in the same laboratory, under the supervision of Dr. Mirco Galiè, still the research in the project “Therapeutic use and capacity of neoplastic cells from adipose derived adult stem cells (ADAS)”, with specific study on the miRNAs expression profile of the ADAS. From June 2009 to October 2009 I attended as a fellow on the cell therapy laboratory of Prof. Francesco Rodeghiero at the St. Bortolo Hospital of Vicenza participating in the project of experimental drugs for the U.O. S12 of Hematology. From February 2010 to July 2011 I received a Research Fellow from Prof. Marina Bentivoglio at the University of Verona, Department of Neurological, Neuropsychological, Morphological and Movement Sciences, Section of Anatomy and Histology, under the supervision of Dr. Raffaella Mariotti conducting an experimental study for amyotrophic lateral sclerosis. From December 2011 at June 2014 I was Research Fellow, under the supervision of Dr. Raffaella Mariotti, under the project “Immune response and motor neuron degeneration”. From July 2014 at March 2015 I received Research Fellow from Dr. Laura Calderan at University of Verona conducting an experimental study in the project “Epigenetic signatures and expression profiles of coding and non-coding RNAs in mammary stem cells and breast cancer”, FIRB 2008 – Futuro in Ricerca. From May 2015 to November 2015 I received Research Fellow under the supervision of Dr. Federico Boschi. I worked on the project “Sviluppo di metodi ottici per l’Imaging preclinico-Development of optical methods for preclinical imaging using radiotracers”. RICERCA FINALIZZATA Bando Progetti di Ricerca Giovani Ricercatori – Ricerca Finalizzata 2010, Project Code:GR- 2010-2309585, Principal investigator: Antonello Spinelli, Fondazione Centro San Raffaele del Monte Tabor. From December 2015 to May 2016, I conducted an experimental study in the Joint Project 2015 “Epigenetic therapy: new pharmacological approaches for the treatment of ALS - Terapie epigenetiche: nuovi approcci farmacologici nel trattamento della SLA”. From June 2016 to May 2017 I worked on the project “CMT national registry: towards definition of standards of care and clinical trials” supported by Telethon – GUP 13006, principal investigator: Prof. Gian Maria Fabrizi. From June 2017 to today I’m conducting an experimental study in the project “Exosomes from mesenchymal stem cell: new therapeutic approach for amyotrophic lateral sclerosis”, supported by ARISLA (Fondazione Italiana di Ricerca per la Sclerosi Laterale Amiotrofica) under the supervision of Dr. Raffaella Mariotti.

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## PUBLICATIONS

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6. Busato A, Bonafede R, Bontempi P, Scambi I, Schiaffino L, Benati D, Malatesta M, Sbarbati A, Marzola P, Mariotti R.  
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