

CURRICULUM VITAE

Virginia Barone

Name: Virginia Barone
Date of birth: February 19th, 1968
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Educational Background

- 1990** Degree in Biological Science, University of Genova: 110/110 e lode. Experimental thesis title: "Identification of a cellular model for the study of the Cystic Fibrosis molecular defect"
- 1996** Ph.D. in Human Genetics, . Thesis title: "Identification and characterization of genes involved in Hirschsprung disease"
- 1998** Specialization in Genetics. Thesis title: "Generation and functional analysis of knockout mice carrying a targeted disruption of ryanodine receptor type 1 and type 3 genes"

Professional Experience

- From 2008:** researcher at the Department of Molecular Medicine and Development, University of Siena
- 2005 – 2007:** research associate at the Laboratory of Tissue Engineering, Istituto Dermatologico dell'Immacolata, Roma
- 2003 – 2005:** research associate at DIBIT, molecular and cellular neurophysiology Unit, San Raffaele Scientific Institute, Milano (
- 1996 – 2002:** post-doctoral training at DIBIT, Growth factors and intracellular signaling Unit, San Raffaele Scientific Institute, Milano
- 1991 - 1995:** Ph.D. training at the Institute G. Gaslini, Molecular Genetics laboratory, Genova. Subject of the Ph.D. training: identification and characterization of genes involved in Hirschsprung disease
- 1990 - 1991:** research activity at the same laboratory
- 1988 - 1990:** pre-graduate studentship at the Institute G. Gaslini, Molecular Genetics laboratory, Genova

Scientific Publications:

Franci L, Vallini G, Bertolino FM, Cicaloni V, Inzalaco G, Cicogni M, Tinti L, Calabrese L, Barone V, Salvini L, Rubegni P, Galvagni F, Chiariello M. MAPK15 controls cellular responses to oxidative stress by regulating NRF2 activity and expression of its downstream target genes. **Redox Biol.** 2024 Mar 28;72:103131. doi: 10.1016/j.redox.2024.103131. Epub ahead of print. PMID: 38555711; PMCID: PMC10998232.

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Bianchi L, Altera A, Barone V, Bonente D, Bacci T, De Benedetto E, Bini L, Tosi GM, Galvagni F, Bertelli E. Untangling the Extracellular Matrix of Idiopathic Epiretinal Membrane: A Path Winding among Structure, Interactomics and Translational Medicine. **Cells.** 2022 Aug 15;11(16):2531. doi: 10.3390/cells11162531. PMID: 36010606; PMCID: PMC9406781.

Altera A, Barone V, Kondova I, Langermans JAM, Gentile M, Pin C, Nicoletti C, Bertelli E. Light-Induced Smooth Endoplasmic Reticulum Rearrangement in a Unique Interlaced Compartmental Pattern in Macaca mulatta RPE. **Invest Ophthalmol Vis Sci.** 2021 Dec 1;62(15):32. doi: 10.1167/iovs.62.15.32. PMID: 34967853; PMCID: PMC8727310.

Weber E, Aglianò M, Bertelli E, Gabriele G, Gennaro P, Barone V. Lymphatic Collecting Vessels in Health and Disease: A Review of Histopathological Modifications in Lymphedema. **Lymphat Res Biol.** 2022 Oct;20(5):468-477. doi: 10.1089/lrb.2021.0090. Epub 2022 Jan 17. PMID: 35041535; PMCID: PMC9603277.

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Barone, Virginia, Borghini, Annalisa, Tedone Clemente, Erica, Aglianò, Margherita, Gabriele, Guido, Gennaro, Paolo, Weber, Elisabetta (2020). New Insights into the Pathophysiology of Primary and Secondary Lymphedema: Histopathological Studies on Human Lymphatic Collecting Vessels. **Lymphat Res Biol**, ISSN: 1539-6851, doi: 10.1089/lrb.2020.0037

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* These authors contributed equally to this work

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V. Barone, A. Bracco, S. Cozzolino, O. Massa, V. Sorrentino: Il contributo della genetica nella diagnostica della I.M. e delle malattie neuromuscolari. **Minerva Anestesiologica** 63 (9):239-243, 1997

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G. Romeo, M. Lerone, B. Pasini, L. Yin, I. Ceccherini, V. Barone, A. Bolino, M. Seri, G. Martucciello: La genetica della malattia di Hirschsprung ed il concetto di diversità fenotipica dovuta ad una serie di alleli. **Riv Ital Pediatr** 20:441-445, 1994

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