



INFORMAZIONI PERSONALI



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Gender Female | Date of birth 23/12/1975 | Nationality Italian

PROFESSIONAL EXPERIENCES

From November, 2008

RESEARCH TECHNICIAN at the University of Modena and Reggio Emilia
 Department of Biomedical, Metabolic and Neural Sciences – Human Morphology Section

EDUCATION

- 2023 **National Scientific Qualification as Associate Professor** for the SSD BIO17-Istology, valid until November 21st, 2034.
- 2006 **Specialist in Microbiology and Virology** (cum laude) at the University of Modena and Reggio Emilia, Italy.
- 2005 **PhD in Experimental Medicine** at the University of Modena and Reggio Emilia, Italy.
- 2000 **National qualification to practice as a trained Biologist**, after successfully passing the state examination, Italy.
- 1999 **Master's Degree in Biological Sciences** (cum laude) at the University of Modena and Reggio Emilia, Italy.
- 1994 **High School Diploma-Informatics specialization** at the Scientific High School "M. Morandi" of Finale Emilia (MO), Italy.

Author or co-author of **63 articles** published on PubMed-indexed international scientific journals and some abstracts of oral communications or posters presented to national and international congresses. **h-index = 24; Citations= 1815** (from Scopus)

Last 10 publications

- 1) Gatti M, **Beretti F**, Malenchini M, Bertucci E, Ceneri E, Follo MY, Maraldi T. Mesenchymal Stromal Cell-Derived Extracellular Vesicles as a Therapeutic Treatment for Osteosarcoma: Crosstalk Among Neurons, Muscle, and Bone. *Int J Mol Sci.* 2025 Aug 15;26(16):7875. doi: 10.3390/ijms26167875. PMID: 40869196; PMCID: PMC12387062.
- 2) Alma A, **Beretti F**, Bonilauri C, Chester J, Kaleci S, Ciardo S, Bertoni L, Pellacani G, Farnetani F. Atypical nevi in dermoscopy and reflectance confocal microscopy: correlation between immunohistochemistry and diagnostic patterns of atypia. *Clin Exp Dermatol.* 2024 Aug 24;llae326. doi: 10.1093/ced/llae326. Epub ahead of print. PMID: 39180293.
- 3) **Beretti F**, Gatti M, Ricchi F, Lipani F, Cortelli P, Cermelli C, Maraldi T. Neurotoxic effects of coronavirus: Potential implications in Alzheimer's onset and progression. *Exp Neurol.* 2024 Oct;380:114908. doi: 10.1016/j.expneurol.2024.114908. Epub 2024 Jul 31. PMID: 39089439.
- 4) Marassi V, La Rocca G, Placci A, Muntiu A, Vincenzoni F, Vitali A, Desiderio C, Maraldi T, **Beretti F**, Russo E, Miceli V, Conaldi PG, Papait A, Romele P, Cargnoni A, Silini AR, Alviano F, Parolini O, Giordani S, Zattoni A, Reschiglian P, Roda B. Native characterization and QC profiling of human amniotic mesenchymal stromal cell vesicular fractions for secretome-based therapy. *Talanta.* 2024 Aug 15;276:126216. doi: 10.1016/j.talanta.2024.126216. Epub 2024 May 8. PMID: 38761653
- 5) **Beretti F**, Gatti M, Zavatti M, Bassoli S, Pellacani F, Maraldi T. Reactive Oxygen Species Regulation of Chemoresistance and Metastatic Capacity of Melanoma: Role of the Cancer Stem Cell Marker CD271. *Biomedicines.* 2023 Apr 20; 11(4):1229.
- 6) Gatti M, Dittlau KS, **Beretti F**, Yedigaryan L, Zavatti M, Cortelli P, Palumbo C, Bertucci E, Van Den Bosch L, Sampaolesi M, Maraldi T. Human Neuromuscular Junction on a Chip: Impact of Amniotic Fluid Stem Cell Extracellular Vesicles on Muscle Atrophy and NMJ Integrity. *Int J Mol Sci.* 2023 Mar 3;24(5):4944.
- 7) Casciaro F, **Beretti F**, Gatti M, Persico G, Bertucci E, Giorgio M, Maraldi T. Effect of the Enrichment in c-Kit Stem Cell Potential of Foetal Human Amniotic Fluid Cells: Characterization from Single Cell Analysis to the Secretome Content. *Biomedicines.* 2023 Feb 2;11(2):430.
- 8) Gibellini L, Borella R, De Gaetano A, Zanini G, Tartaro DL, Carnevale G, **Beretti F**, Losi L, De Biasi S, Nasi M, Forcato M, Cossarizza A, Pinti M. Evidence for mitochondrial Lonp1 expression in the nucleus. *Sci Rep.* 2022 Jun 27;12(1):10877. doi: 10.1038/s41598-022-14860-0. PMID: 35760833.
- 9) Zavatti M, Gatti M, **Beretti F**, Palumbo C, Maraldi T. Exosomes Derived from Human Amniotic Fluid Mesenchymal Stem Cells Preserve Microglia and Neuron Cells from A β . *Int J Mol Sci.* 2022 Apr 29;23(9):4967. doi: 10.3390/ijms23094967. PMID: 35563358; PMCID: PMC9105787.
- 10) **Beretti F**, Farnetani F, Reggiani Bonetti L, Fabbiani L, Zavatti M, Maiorana A, Pellacani G, Maraldi T. The Interplay between HGF/c-met Axis and Nox4 in BRAF Mutated Melanoma. *Int J Mol Sci.* 2021 Jan 13;22(2):761. doi: 10.3390/ijms22020761. PMID: 33451139; PMCID: PMC7828605.

Modena, September 26th, 2025

