
BIOGRAPHICAL SKETCH

NAME: Debora Gentile, PhD

POSITION TITLE:

- Post-Doc Researcher at Telethon Institute of Genetics and Medicine

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion Date	FIELD OF STUDY
University Magna Graecia, Catanzaro, Italy	Master Degree	2014	Pharmacy and Industrial Pharmacy
University Magna Graecia, Catanzaro, Italy Danish Cancer Society Research Center, Copenhagen, Denmark	PhD	2020	Pharmaceutical Science
Deutsches Zentrum für Neurodegenerative Erkrankungen, DZNE, Bonn, Germany	Post-doc	2020	Mechanisms of cell death
Telethon Institute of Genetics and Medicine, Pozzuoli (NA), Italy	Post-doc	2024	Molecular mechanisms of selective autophagy
University Magna Graecia, Catanzaro, Italy	Post-Doc		Interplay between metabolic alteration and inflammation

Languages

Italian (Native), English (Advanced), German (Basic)

PERSONAL STATEMENT

I am an extremely motivated person who really likes working in the laboratory and does not mind working hard, because I want to give a real contribution to scientific knowledge.

Throughout my Master, PhD and my post-doctoral training, I have developed a sound skillset that allows me to work independently in the lab and to build up successful experimental strategies in order to answer specific questions. Nevertheless, I am always open to improve my skills and learn new techniques.

POSITIONS, SCIENTIFIC APPOINTMENTS AND HONORS

Positions

-Since April 2021. Post-Doc Researcher

Honors

-Honorary Teaching Assistant (2018/2019 and 2019/2020 and 2024/2025 academic years). Subjects: Cellular and Molecular Pharmacology & Pharmacognosy. Cellular and Molecular biology. University of University Magna Graecia, Catanzaro, Italy.

Research Contract

- From April to December 2020. Post-Doc contract at Deutsches Zentrum für Neurodegenerative Erkrankungen, DZNE, Bonn, Germany.

-From April 2021 to December 2022: Co.co.co with Fondazione Telethon

- From January 2023 to December 2023: Borsa di studio Fondazione Veronesi
- From January 2024 to December 2024: Assegno di Ricerca presso University Federico II of Naples
- From January 2025 to date: Assegno di Ricerca presso University Magna Graecia of Catanzaro

CONTRIBUTION TO SCIENCE

Publications in peer reviewed journals

1. **Gentile D**, Berliocchi L, Russo R, Bagetta G, Corasaniti MT. Effects of the autophagy modulators d-limonene and chloroquine on vimentin levels in SH-SY5Y cells. *Biochem Biophys Res Commun*. 2020;533(4):764-9.
2. Berliocchi L, Chiappini C, Adornetto A, **Gentile D**, Cerri S, Russo R, et al. Early LC3 lipidation induced by d-limonene does not rely on mTOR inhibition, ERK activation and ROS production and it is associated with reduced clonogenic capacity of SH-SY5Y neuroblastoma cells. *Phytomedicine*. 2018;40:98-105.
3. Jackson, J., Wischhof, L., Scifo, E., Pellizzer, A., Wang, Y., Piazzesi, A., **Gentile, D.**, Siddig, S., Stork, M., Hopkins, C. E., Händler, K., Weis, J., Roos, A., Schultze, J. L., Nicotera, P., Ehninger, D., & Bano, D. (2022). SGLP1 stimulates VPS39 recruitment to the mitochondria in MICU1 deficient cells. *Molecular metabolism*, 61, 101503.
4. **Gentile D.**, Esposito M., & Grumati P. (2022). Metabolic adaptation of cancer cells toward autophagy: Is there a role for ER-phagy?. *Frontiers in molecular biosciences*, 9, 930223.
5. Matveeva A, Watters O, Rukhadze A, Khemka N, **Gentile D**, Perez IF, Llorente-Folch I, Farrell C, Lo Cacciato E, Jackson J, Piazzesi A, Wischhof L, Woods I, Halang L, Hogg M, Muñoz AG, Dillon ET, Matallanas D, Arijs I, Lambrechts D, Bano D, Connolly NMC, Prehn JHM. Integrated analysis of transcriptomic and proteomic alterations in mouse models of ALS/FTD identify early metabolic adaptations with similarities to mitochondrial dysfunction disorders. *Amyotroph Lateral Scler Frontotemporal Degener*. 2023 Oct 1:1-15. doi: 10.1080/21678421.2023.2261979. Epub ahead of print. PMID: 37779364.
6. Vecchio E, Gallo R, Mimmi S, **Gentile D**, Giordano C, Straface E, Marino R, Caiazza C, Pastore A, Ruocco MR, Arcucci A, Schiavone M, Palmieri C, Iaccino E, Stornaiuolo M, Quinto I, Mallardo M, Martini F, Tognon M, Fiume G. FABP5 is a key player in metabolic modulation and NF-κB dependent inflammation driving pleural mesothelioma. *Commun Biol*. 2025 Feb 27;8(1):324. doi: 10.1038/s42003-025-07754-0. PMID: 40016284; PMCID: PMC11868402.

Poster Communications

- EMBO/FEBS Lecture Course// Susan Lindquist School on Proteostasis, October 2023, Ingelheim am Rhein, Germany
- 15th ER and Redox Club Meeting, September 2022, Naples, Italy
- 4th Edition of PhD poster Day, December 2017, University Magna Graecia, Catanzaro, Italy
- 5th Edition of PhD poster Day, December 2018, University Magna Graecia, Catanzaro, Italy

Oral Communication

- Joint ABCD Special Interest Groups Meeting (JASM), October 2024, Bologna, Italy

Grant

- *Fondazione Umberto Veronesi Postdoctoral Fellowship 2023*

SCOLASTIC PERFORMANCE

YEAR	COURSE TITLE	GRADE
2001-2006	High School Degree (Liceo Scientifico L. Siciliani, Catanzaro, Italy)	72/100
2006-2014	Master Degree, Pharmacy and Industrial Pharmacy, University Magna Graecia, Catanzaro, Italy	108/110
2016-2020	PhD in Life Science (XXXII cycle) University Magna Graecia, Catanzaro, Italy	Positive