

Debora Gentile

EXPERIENCE

- Jan 2025
Present
POST DOC
University Magna Græcia of Catanzaro.
Analysis of the role of the FABP5 protein in metabolic alterations associated with tumor progression and inflammation in different cancer contexts
- Apr 2021
Dec 2024
POST DOC
Telethon Institute.
Dissecting the role of FAM134B mediated ER-phagy in colorectal cancer development
- May 2020
Dec 2020
POST DOC
Deutsches Zentrum für Neurodegenerative Erkrankungen DZNE.
Identification and characterization of novel interaction partners of the mitochondrial protein AIF Apoptosis Inducing Factor

EDUCATION

- Nov 2016
Apr 2020
PHD IN LIFE SCIENCE
University Magna Græcia of Catanzaro.
- Sep 2007
Jun 2014
M.SC
University Magna Græcia of Catanzaro.

PUBLICATIONS

- 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- κ B dependent inflammation driving pleural mesothelioma. Commun Biol. 2025 Feb 27;8(1):324. doi: 10.1038/s42003-025-07754-0.
- 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, Matalianas D, Arijis 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. 2024 Feb;25(1-2):135-149. doi: 10.1080/21678421.2023.2261979.
- Gentile D, Esposito M, Grumati P. Metabolic adaption of cancer cells toward autophagy: Is there a role for ER-phagy? Front Mol Biosci. 2022 Aug 3;9:930223. doi: 10.3389/fmolb.2022.930223.
- Jackson J, Wischhof L, Scifo E, Pellizzer A, Wang Y, Piazzesi A, Gentile D, Siddig S, Stork M, Hopkins CE, Händler K, Weis J, Roos A, Schultze JL, Nicotera P, Ehninger D, Bano D. SGPL1 stimulates VPS39 recruitment to the mitochondria in MICU1 deficient cells. Mol Metab. 2022 Jul;61:101503. doi: 10.1016/j.molmet.2022.101503.
- 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 Dec 17;533(4):764-769. doi: 10.1016/j.bbrc.2020.09.073.
- Berliocchi L, Chiappini C, Adornetto A, Gentile D, Cerri S, Russo R, Bagetta G, Corasaniti MT. 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 Feb 1;40:98-105. doi: 10.1016/j.phymed.2018.01.005.

POSTER PRESENTATION

- EACR Cancer Metabolism Conference, Bilbao Spain 2024
- EMBO/Febs Lecture Course - Ingelheim am Rhein, Germany 2023
- 15th ER and Redox Club Meeting Naples, Italy 2022
- University "Magna Græcia" of Catanzaro, PhD days 2017 2018

ORAL COMMUNICATION

- JASM 2024, Bologna