

**Dr. Fabiana Tortora, PhD**

#### ACCADEMIC AWARDS

**December 12, 2019** PhD in Biochemical and Biotechnological Sciences, University of "Studi della Campania *Luigi Vanvitelli*" (Naples, Italy)  
**March 22, 2016** Degree in Biology (LM-6), 110 cum laude, University of Naples "Federico II" (Italy)

#### RESEARCH AND PROFESSIONAL EXPERIENCE

**March 1, 2023-February 28, 2026:** 2022 Postdoctoral fellowship from AIRC (project code 28017) at IGB-ATB, CNR, Naples, under supervision of Dr. Cimmino Amelia.

**February 1, 2021-January 31, 2022:** Professionalizing Research Grant, n° ADR 01-2021-IBBC-NA at IBP Institute, CNR, Naples, under supervision of Dr. Manco Giuseppe.

**November, 2021:** Visiting Scientist at Zewail City of Science and Technology, Cairo, Egypt; hosted by Prof. Rabeay Hassan.

**January 1, 2020-December 31, 2020:** Professionalizing Research Grant, n° AdR- 06-2019-IBBC-NA at IBP Institute, CNR, Naples, under supervision of Dr. Febbraio Ferdinando.  
**September 2018-December 2018:** Internship at the Department of Physiology, as a Visiting Student, under supervision of Prof. Lang Florian. University of Tübingen, Germany.

**March 2016-October 2016:** Internship at the Biochemistry laboratory, Department of Precision Medicine, University of "Studi della Campania *Luigi Vanvitelli*" (Naples, Italy), under supervision of Prof. Manna Ceterina.

#### PARTICIPATION TO CONFERENCES

**September 22, 2021:** 7th International Conference on Sensors and Electronic Instrumentation Advances (SEIA' 2021). Poster. Title: Development of new bioreceptors for pesticides detection. Palma de Mallorca, Spain.

**March 19, 2020:** Longdom Conferences. Oral presentation (Online for COVID 19-emergency). Title: Hydroxytyrosol decreases phosphatidylserine exposure and inhibits suicidal death induced by lysophosphatidic acid in human erythrocytes. London, Canada.

**September 18, 2019:** 60° Congress of the Italian Society of Biochemistry and Molecular Biology (SIB). Poster. Title: Mercuric chloride interaction with hemoglobin and membrane proteins in intact human erythrocytes. Lecce, Italy.

**June 10, 2019:** International Conference on Metal Detoxification. Oral presentation. Title: Nutritional Aspects of Mercury Toxicity and Protective Effects of Olive Oil Hydroxytyrosol. Berlin, Germany.

**November 20, 2017:** National Congress SINU. Oral presentation. Title: Mercury toxicity and feeding: protective role of olive oil's phenol antioxidant hydroxytyrosol. Torino, Italy.

#### PUBLICATIONS

- 1) **Fabiana Tortora**, Evelina la Civita, Pankaj Trivedi, Ferdinando Febbraio, Daniela Terraciano and Amelia Cimmino. Emerging RNA-Based Therapeutic and Diagnostic Options: Recent Advances and Future Challenges in Genitourinary Cancers. International Journal of Molecular Sciences. 27-02-2023. DOI: 10.3390/ijms24054601.
- 2) **Fabiana Tortora**, Antonella Rendina, Antonella Angiolillo, Alfonso di Costanzo, Francesco Aniello, Aldo Donizetti, Ferdinando Febbraio and Emilia Vitale. CD33 rs2455069 SNP: Correlation with Alzheimer's Disease and Hypothesis of Functional Role. International Journal of Molecular Sciences. 26-03-2022. DOI: 10.3390/ijms23073629.
- 3) **Fabiana Tortora**, Elena Porzio, Carmen Galoppo, Ferdinando Febbraio and \* Giuseppe Manco. Development of a Fluorescence-based Biosensor for Coumaphos. Sensors & Transducers, Vol. 253, Issue 6, November 2021, pp.18-22.-22.
- 4) Matteo Ferro, Evelina La Civita, Antonietta Liotti, Michele Cennamo, **Fabiana Tortora**, Carlo Buonerba, Felice Crocetto, Giuseppe Lucarelli, Gian Maria Busetto, Francesco Del Giudice, Ottavio de Cobelli, Giuseppe Carrieri, Angelo Porreca, Amelia Cimmino, and Daniela Terracciano. Liquid Biopsy Biomarkers in Urine: A Route towards Molecular Diagnosis and Personalized Medicine of Bladder Cancer. J Pers Med. 2021 Mar; 11(3): 237. DOI: 10.3390/jpm11030237.
- 5) **Fabiana Tortora**, George A Calin, Amelia Cimmino. Effects of long non-coding RNAs on androgen signaling pathways in genitourinary malignancies. Mol Cell Endocrinol., 2021 Apr 15;526:111197. DOI: 10.1016/j.mce.2021.111197.
- 6) Marina Piscopo, Rosaria Notariale, **Fabiana Tortora**, Adriana Basile, Gennaro Lettieri, Giancarlo Palumbo, Caterina Manna. Novel insight into mercuric chloride interaction with hemoglobin and membrane proteins in human erythrocytes. Molecules. DOI: 10.3390/molecules25143278.
- 7) **Fabiana Tortora**, Rosaria Notariale, Florian Lang, Caterina Manna. Hydroxytyrosol decreases phosphatidylserine exposure and inhibits suicidal death induced by lysophosphatidic acid in human erythrocytes. Cell Physiol Biochem. 2019;53:921-932. DOI: 10.33594/000000184.
- 8) **Fabiana Tortora**, Rosaria Notariale, Viviana Maresca, Katrina Vanessa Good, Sergio Sorbo, Adriana Basile, Marina Piscopo, Caterina Manna. Phenol-Rich Feijoa sellowiana (Pineapple Guava) Extracts Protect Human Red Blood Cells from Mercury-Induced Cellular Toxicity. Antioxidants (Basel). 2019. DOI: 10.3390/antiox8070220.
- 9) Arbace Officioso, Lucia Panzella, **Fabiana Tortora**, Maria Laura Alfieri, Alessandra Napolitano and Caterina Manna. Comparative Analysis of the Effects of Olive Oil Hydroxytyrosol and Its 5-S-Lipoyl Conjugate in Protecting Human Erythrocytes from Mercury Toxicity. Oxidative Medicine and Cellular Longevity. 2018. DOI:10.1155/2018/9042192.
- 10) Arbace Officioso, **Fabiana Tortora**, Caterina Manna. Nutritional Aspects of Food Toxicology: Mercury Toxicity and Protective Effects of Olive Oil Hydroxytyrosol. Journal of Nutrition & Food Sciences. 2016. DOI: 10.4172/2155-9600.1000539.