

Name: **Antonella Zannetti**

Affiliation: Institute of Biostructures and Bioimaging-CNR, Napoli

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EDUCATION

1991 Degree in Biology at the “Tor Vergata” University of Rome with the grade of 110/110 cum laude.

1995 PhD Degree in “Molecular and Cellular Biology ” at the “Tor Vergata” University of Rome

PROFESSIONAL EXPERIENCE

2021 to date Senior Researcher of the National Research Council - Institute of Biostructures and Bioimaging (IBB-CNR)

2001 to 2020 Researcher of the National Research Council - Institute of Biostructures and Bioimaging (IBB-CNR)

2001 to date PI of pre-clinical oncological studies at IBB-CNR

2012 to date Head of Laboratory of molecular and cellular biology at IBB – CNR

2014 to date Coordinator of Dissemination and Education at IBB-CNR

2016 to date Head and Supervisor of PhD project “Molecular Imaging in discovery and evaluation of new drugs” nell’ambito di nell’ambito di “INCIPIT - Innovative Life Science PhD Programme In South Italy” co-funded by HORIZON 2020/Marie Sklodowska Curie Action (prot n 0001397 del 09/08/2016) AA 2016-2020

2014 to date Supervisor of PhD and post-doc students

2012 to date Supervisor of 20 theses at Healthcare Biotechnology at the Department of Molecular Medicine and Medical Biotechnology at University “Federico II” of Naples

2012 to 2016 Contract Professor of Molecular Imaging Techniques faculty of Healthcare Biotechnology at the Department of Molecular Medicine and Medical Biotechnology at University “Federico II” of Naples

2006 to date Member in the Juries for the assignment of 12 Research Fellowships at IBB-CNR,

2015-2016 Board Member in the Evaluation Committee of “INCIPIT - Innovative Life Science PhD Programme In South Italy” co-funded by HORIZON 2020/Marie Sklodowska Curie Action (Grant Agreement n 665403)

2010-2016 and 2020 to date Member of IBB committee

RESEARCH PROJECTS

2019 to date PI of pre-clinical imaging studies of the project “Theranostic nanoparticles-based approach targeting a set of microRNAs in drug resistant thyroid and breast cancers”

2018 to date PI of pre-clinical imaging studies of the project “Development of an integrated radiomic and phenotypic system for the diagnosis, prognosis and personalized therapy of head and neck cancer therapy”.

2016 to date PI of the project “Molecular Imaging in discovery and evaluation of new drugs” nell’ambito di nell’ambito di “INCIPIT - Innovative Life Science PhD Programme In South

Italy” co-funded by HORIZON 2020/Marie Skłodowska Curie Action

2016-2017 PI and supervisor of post-doc fellow in “Characterization of novel inhibitors of CAIX as anti-cancer agents”

2015-2016 PI of the WP3 “In vitro pre-clinical studies” in the project “Interactomic Study of the Tumor Associated Protein Carbonic Anhydrase IX” (Progetto Bandiera “InterOmics”).

2014-2016 PI and supervisor of PhD fellow in “Development of new molecules targeting receptors for cancer therapy”

2014-2017 Head of pre-clinical studies as external collaborator in AIRC project “Cancer-relevant molecular pathways in the intracellular membrane transport apparatus”.

2013-2016 Head of pre-clinical studies as external collaborator in AIRC project “The CtBp/BARS involvement in tumor progression: a specific target for pharmacological intervention”

RESEARCH INTEREST

Research activities of Dr Zannetti are mainly focused on the development and pre-clinical validation of innovative approaches for tumor diagnosis and therapy using molecular imaging

The list of publications includes papers published in international journals, including Cancer Research, Clinical Cancer Research, Theranostics, Seminars in Cancer Biology, Journal of Experimental and Clinical Cancer Research, Cancer Letters, Cancers, Cells, International Journal of Molecular Sciences

ad hoc Reviewer

- Theranostics
- Journal of Experimental and Clinical Cancer Research
- Cell Death and Disease
- Cancers
- Molecular Cancer Therapeutics
- Journal of Cellular Physiology
- Stem Cells and Therapy
- International Journal of Nanomedicine
- Breast Cancer Research
- Journal of Enzyme Inhibition and Medicinal Chemistry
- International Journal of Molecular Science
- Cells
- Molecules
- BMC Cancer
- Molecular Biotechnology