


PERSONAL INFORMATION *Carmela Dell'Aversana*

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PERMANENT FULL RESEARCHER, AT IEOS - CNR - ITALY

CURRENT POSITION

30 09 2019- PRESENT

PERSONAL STATEMENT

SHE IS A YOUNG INVESTIGATOR AT INSTITUTE EXPERIMENTAL ENDOCRINOLOGY AND ONCOLOGY "GAETANO SALVATORE". SHE HAS A VERY BRILLIANT UNIVERSITY EDUCATION AND PROFESSIONAL PREPARATION GAINED OVER THE YEARS: I) DEGREE IN MEDICAL BIOTECHNOLOGY AT THE UNIVERSITY OF CAMPANIA "LUIGI VANVITELLI"; VOTE: 110/110 CUM LAUDE, PLAUSO AND DIGNITY OF PRESS; II) PHD IN MICROBIAL BIOTECHNOLOGY AND CELL PROLIFERATION AT THE UNIVERSITY OF MESSINA VOTE: OPTIMO; III) MASTER II LEVEL IN CYTOGENETICS INTERUNIVERSITY IN ROME: TOR VERGATA'S FACULTY OF MEDICINE AND SURGERY; "ROMA TRE" UNIVERSITY „S FACULTY OF MATHEMATICAL, PHYSICAL AND NATURAL SCIENCES; "CASA SOLLIEVO DELLA SOFFERENZA" FOUNDATION; VOTE:96/100. IIII) POST DOC AT CNR-IGB AND AT DEPARTMENT OF PRECISION MEDICINE OF UNIVERSITY OF CAMPANIA "L.VANVITELLI". DURING HER CAREER, SHE BECAME AN INDISPENSABLE AND EFFECTIVE RESEARCH COLLABORATOR IN VARIOUS WORK TEAMS FOLLOWING DIFFERENT LINES OF RESEARCH WITH MARKED AUTONOMY AND ORIGINALITY, INTELLECTUAL AND SCIENTIFIC, WITH AN INTERDISCIPLINARY, INNOVATIVE AND COLLABORATIVE SCIENTIFIC APPROACH WITH NUMEROUS UNIVERSITIES AND INTERNATIONAL AND NATIONAL RESEARCH INSTITUTES (DIVISION OF CANCER MEDICINE AT MD ANDERSON CANCER CENTER; DEPARTMENT OF PHYSICS AT UNIVERSITY OF NAPLES FEDERICO II; EXOSOMES RESEARCH GROUP AT VU UNIVERSITY MEDICAL CENTER AMSTERDAM; DEPARTMENT OF PHARMACY AT UNIVERSITY OF SALERNO; ORCHID, UNIVERSIDAD DE VIGO; DEPARTMENT OF CHEMISTRY AND TECHNOLOGY OF DRUG AT SAPIENZA UNIVERSITY OF ROME).

SHE STABILIZED A DEEP EXPERTISE IN THE FIELD OF TRANSLATIONAL CANCER MEDICINE.

- STARTING FROM THE MOLECULAR ONCOLOGY, DECIPHERING CELLULAR DYNAMICS AND FUNCTIONAL ROLE OF MANY EPIGENETIC AND POST-TRANSLATIONAL MECHANISMS, MAINLY THE ORCHESTRAL REGULATION OF NON-CODING RNA, MIRNA.
- SHE EXPLORED THE EPIGENETIC DRUG DISCOVERY LANDSCAPE, DEEPENING THE STUDY OF CANCER ARISING FROM EPIGENETICS, EPIGENETIC ENZYMES AS DRUGGABLE TARGETS AND DRUG REPURPOSING AND REPOSITIONING TO DISCOVERY NEW ANTICANCER AGENTS TARGETING EPIGENETICS.
- IN THE LAST 4 YEARS, SHE INVESTIGATED THE MOLECULAR MECHANISM OF EXTRACELLULAR VESICLE-MEDIATED CELLULAR COMMUNICATION AND THERAPEUTICS IN CANCER, MAINLY AML AND NEUROBLASTOMA.

SHE COMBINED IN-DEPTH STUDIES IN HUMAN (INCLUDING VARIOUS -OMICS METHODS), *IN VITRO* STUDIES AND *IN VIVO* MODELS (MICE). THE EXCELLENT RESULTS OBTAINED ARE THE RESULT OF A FRUITFUL ACTIVITY OF REMARKABLE ORIGINALITY AND DIVERSIFIED IN MULTIPLE AREAS OF AVANT-GARDE MEDICINE, METHODOLOGICAL ACCURACY AND SIGNIFICANT PROFESSIONAL CONTINUITY.

PROFESSIONAL MEMBERSHIPS

- *EDITORIAL BOARD OF* JOURNAL-OF-CLINICAL-TRIALS-JCT, FRONTIERS IN CHEMISTRY, PHARMACEUTICS
- *ASSISTANT MEMBER OF CANCER EPIGENETICS SOCIETY*: ID NUMBER MEMBERSHIP: AIM1783
- *REVIEWER ROLE FOR INTERNATIONAL SCIENTIFIC JOURNALS*: IJBCB; CLINICAL EPIGENETICS; PLOS ONE; PHARMACOL RES; EPIGENETICS; THE INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY; EPIGENETICS COMMUNICATIONS.
- Team member of EPI-C (University Vanvitelli spin-off-epigenetic-biotech company)

- Principal investigator of research project “Methylome DYsregulation in CAncer: a Synergistic Multidisciplinary Approach for Fighting (MEDYCA) (Grant:FISR2019 CUP: B84G19000200008).

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HONORS

- *ASSIGNMENT TITLE OF CULTORE DELLA MATERIA* FOR TEACHING OF GENERAL PATHOLOGY, S.S.D. MED/04, AT FACULTY OF MEDICINE AND SURGERY OF UNIVERSITY OF CAMPANIA "L.VANVITELLI" IN 2018/2019–2020/2021.
- ELIGIBLE FOR THE POSITION OF ASSOCIATE PROFESSOR IN SCIENTIFIC FIELD 06/A2.
- Docent of planetary collegiums fo PhD program in “Translational medicine”

SCIENTIFIC PRODUCTION**H-INDEX: 18 SOURCE:**

<https://www.scopus.com/authid/detail.uri?authorId=25929898100>

<http://orcid.org/0000-0001-6588-698X>

<https://loop.frontiersin.org/people/51476/overview>

COMPLETE LIST OF PUBLISHED WORK IN MYBIBLIOGRAPHY:

https://scholar.google.com/citations?hl=en&user=2g8pRfMAAAAJ&view_op=list_works&sortby=pubdate