

CURRICULUM VITAE

Massimo Pancione

SCIENTIFIC ACTIVITY: 2010-2024: total SCI citation 2164, H-index 29, i10-index 39, extracted by Google Scholar.

My research activity is described in about 60 papers. <https://scholar.google.it/citations?user=au6MwcUAAAAJ&hl=it>. My group studies the function of ribonucleoproteic condensates (RNA-proteins) in cell division and cell fate decisions, using a combination of functional imaging, bioinformatics, genetics and biochemical assays in mammals.

2020 **National Scientific Habilitation (ASN)** as Associate Professor; Scientific Sector: BIO-11 (Molecular Biology)

EMPLOYMENT:

2014-2022 **Principal Investigator and Professor** at the Department of Sciences and Technologies, ScientificSector: BIO-11 (Molecular Biology) University of Sannio, Via Francesco de sanctis, 11, 82100 Benevento, Italy;

2016-2018 **Research Assistant** at Department of Biochemistry and Molecular Biology, Faculty of Pharmacy, University Complutense, Madrid, Spain.

2010-2013 **Permanent Researcher** at the Department of Sciences and Technologies, Scientific Sector: BIO-11 (Molecular Biology) University of Sannio, Via Francesco de sanctis, 11, 82100 Benevento, Italy;

TEACHING ACTIVITY

2011-current: **Teaching activities in Molecular Biology and Bimolecular Technology** for the Bachelor's degree in Biotechnology at University of Sannio, member examination committee and responsibilities in the practical lab sessions included designing laboratory course program and content. (n.12 CFU).

2011-current: **Teaching and Examining Committee Member** for the final examination Degree in Biotechnology (1st Level) and Master Degree (2nd Level) in Biological Sciences.

2013-current: **Supervisor of PhD candidates** (3) Postdocs (1 current), funded from the University of Sannio entitled "Science and Technology for the Health and Environment".

2015-2018 **Supervisor of PhD candidates** in collaboration with Department of Pathology, University of Verona for the PhD programme in "Inflammation, Immunity, and Cancer".

2020-current: **Examining Committee Member of the PhD program** entitled: Science and Technology for the Health and Environment, Academic Year 2020/2021 at the University of Sannio, Benevento.

ACCADEMIC EDUCATION:

2009 **PhD in Life Sciences**, University of Sannio, Benevento, Italy. investigation on the risk factors and molecular mechanisms of inflammation and drug resistance and cancer collaborating with bioinformaticists, pathologists, geneticists and oncologists.
2005 **Postgraduate fellowship** from University of Sannio, epigenetic deregulation of nuclear receptors known as PPARs in human diseases.
2002 **Postgraduate fellowship** from the Italian National Research Council, celiac disease and new methods of vaccination in mice models
2000 **B.A. degree** in Biochemistry from University of Naples, Federico II, Italy, BSc thesis entitled analysis and dissection of response elements to cAMP in the promoter region of Retinol Binding Protein (RBP).

EDITORIAL AND REVIEW ACTIVITIES

BMC cancer (Springer Nature Journal); Oncogene (Springer Nature Journal); Journal of Translational Medicine (Springer Nature Journal); PLOSone (PLOS); Scientific Reports (Springer Nature Journal); Board Member; British Journal of Cancer (Springer Nature Journal); Open Biology (Royal Society Publishing); Journal of Pathology (Wiley online Library); Embo Journal (EMBOpress; BBA (Elsevier); iScience (Elsevier); Cancers (MDPI) Topics Board Member; Biomolecules (MDPI) Topics Board Member; Current Medicinal Chemistry (Bentham Science) Executive Guest Editor. Review Editor of Frontiers in Oncology, section Molecular and Cellular Oncology.

SCIENTIFIC COLLABORATIONS

Departments of Oncology and Anatomic Pathology Rummo Hospital, Benevento, Italy; Department of Diagnostic and Pathology, Faculty of Medicine, University of Verona; Department of Biotechnology, Faculty of Science, University of Verona, Italy; Department of Pathology, Konkuk University School of Medicine, Seoul, Korea; National Centre of Pathology, Vilnius University Santariskiu Clinics Affiliate, Lithuania; Department of Biochemistry and Molecular Biology, Faculty of Pharmacy, Complutense University, Madrid, Spain; Zentrum für Molekulare Biologie der Universität Heidelberg (ZMBH), DKFZ-ZMBH Allianz, Heidelberg, Germany; Genómica y Biomedicina (GXB) Dept Bioquímica, Genética e Inmunología; Facultad de Biología; Campus Lagoas Marcosende 36310 Vigo (Spain); Institute of Biochemistry, Biological Research Centre, University of Szeged, Hungary; Instituto de Investigacion Sanitaria La Fe Torre A. Planta 4 Avda. Fernando Abril Martorell, 106 46026 Valencia, Spain; Institut de génétique et de Biologie Moléculaire et Cellulaire (IGBMC) - CNRS / Inserm / Université de Strasbourg, France.

GRANTS AS MAIN OR CO-APPLICANT LAST 5 YEARS:

- 2015 (PRIN MIUR) Progettazione, sintesi e studi Biologici di farmaci innovativi verso importanti target nella terapia del cancro" 3 year project award funding of € 60,000.
- 2017 Roche Pharmaceuticals, Identification of novel therapeutic target of the tumor microenvironment 2 year project award funding of € 50,000.
- 2017 (MIUR) Identification of driver genes causing unusual colonic rhabdoid tumors, 1 year project award funding of € 3.000.
- 2019 (Merck Pharma). Identification and validation of novel tissue-specific antigens in colorectal cancer. 2 year project award funding of € 60,000.
- 2020. (MIUR). identification of novel centrosome linker ribonucleoproteins involved in cell cycle and ciliogenesis. 2 year project award funding of 300.000

OTHER FUNDING APPLICATIONS (SUBMITTED AS PI OR IN PREPARATION)

- 2022 (USIAS FELLOWSHIP), (PI) Unraveling the structure and function of ribonucleoprotein condensates at centrosome and their relevance in debilitating diseases] 2 year project of € 190,000.
- 2023 (EJP RD) (PI). European network for the study of rare genetic diseases entitled: MOLCENRARE- Understanding the intermolecular connections between centrosome cohesion and rare genetic disorders 1 year project of € 28,000.
- 2022 (Italian PRIN), (PI). Unraveling the composition and structure of ribonucleoprotein condensate at centrosome and its relevance in rare debilitating diseases 3 year project of € 720,000.
- 2022 (AIAS) fellowship (PI): Unraveling ribonucleoprotein particles at centrosome and coronavirus SARS-CoV-2-induced ciliopathy 2 year project of € 102,000.

OTHER ACTIVITIES

2012-current: Coordinator, lecturer and member examination committee, in the course of Molecular Biology with laboratory which is integral part of the course Degree (1st Level) in Biotechnology, Department of Sciences and Technologies University of Sannio, Benevento, Italy. 2012-current: Board member committee assignments thesis and practical activities lab sessions, Department of Sciences and Technologies University of Sannio, Benevento, Italy; External Reviewer of PhD candidates within the international PhD Program in Biochemistry, Molecular

Biology and Biomedicine (BBM) Dept. Biochemistry and Molecular Biology, Faculty of Chemistry, Complutense University 28040-Madrid (Spain). 2015-current: Advisory board Member of Czech Health Research Council, Czech Republic; 2016-2021: Reviewer for Cancer Research UK, UK; 2017-current: Scientific Advisor and consulting for the Gerson Lehrman Group (GLG), USA.