

Curriculum Vitae
Aurelio Minuti

**PERSONAL
INFORMATIONS**

First name, Surname AURELIO MINUTI

Health care researcher, group of Experimental Neurosciences in Rehabilitation
IRCCS Neurolesi Bonino Pulejo, Messina, Italy

CURRENT POSITION

PhD student,
Department of Biomedical and Dental Sciences and Morphofunctional Images, University of
Messina, Italy

Postgraduate student in Microbiology and Virology,
Department of Human Pathology DETEV, University of Messina, Italy

EDUCATION, DEGREE

2019 Master Degree in Biology, curriculum: Biotechnology and Microbiology, University of
Messina-Italy; vote: 110/110 *cum laude*

2017 Bachelor Degree in Biology, University of Messina-Italy; vote: 106/110

INTERNSHIP

6 months Internship (01/07/23-31/12/23) in LMU Klinikum University, Division of
Endocrinology, Munich, Germany. Tutor: Prof. Marily Theodoropoulou

RESEARCH ACTIVITIES

The immunomodulatory effects of isothiocyanates and phytocannabinoids in neural cells;
Endocrine disrupting chemicals (EDCs) in thyroid diseases: the involvement of
Polychlorinated biphenyls (PCBs) in the initiation and progression of thyroid autoimmunity
in patients/subjects with Hashimoto's disease.

Extracellular matrix impairment in thyroid and immune-mediated inflammatory diseases:
structure, function, immunological and biological properties of Proteoglycans.

LABORATORY SKILLS

Primary murine neural cell culture; bacterial culture; cell treatment; MTT-assay; transfection;
confocal microscopy, automated microscopy (ArrayScan); migration and proliferation
assays; PCR; Western Blotting; Real Time PCR; Nucleic acids and protein extraction and
purification; Next Generation sequencing: Widal-Wright-Weil Felix; TPHA; VDRL;
Radioimmunoassay; Electrochemiluminescence immunoassay; Membrane Filtration method

3 publications on International peer reviewed journals
ORCID: [22.05.2023] - (<https://orcid.org/0000-0002-4112-5542>)

Aliquò, F., **Minuti, A.**, Avenoso, A., Mandraffino, G., Campo, G. M., Campo, S., D'Ascola,
A., & Scuruchi, M. (2023). Endocan Promotes Pro-Tumorigenic Signaling in Lung Cancer
Cells: Modulation of Cell Proliferation, Migration and lncRNAs H19 and HULC Expression.
International journal of molecular sciences, 24(9), 8178 10.3390/ijms24098178. PMID:
37175885; PMCID: PMC10179037.

PUBLICATIONS

Scuruchi, M.; Aliquò, F.; Avenoso, A.; Mandraffino, G.; Vermiglio, G.; **Minuti, A.**; Campo,
S.; Campo, G.M.; D'Ascola A. Endocan Knockdown Down-Regulates the Expression of
Angiogenesis-Associated Genes in Il-1 β Activated Chondrocytes. Biomolecules 2023, 13, 851.
doi: 10.3390/biom13050851. PMID: 37238720; PMCID: PMC10216645.

Mandalari G, **Minuti A**, La Camera E, Barreca D, Romeo O, Nostro A. Antimicrobial
Susceptibility of Staphylococcus aureus Strains and Effect of Phlorethin on Biofilm Formation.
Curr Microbiol. 2023 Jul 26;80(9):303. doi: 10.1007/s00284-023-03400-2. PMID: 37493762.

SCIENTIFIC SOCIETIES The Italian Society of Endocrinology (SIE)

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MEMBER:

AWARDS AND HONORS: Selected oral presentation at the European Congress of Endocrinology (ECE) (May, 2023)
Abstract Award at the Italian Association of Thyroid (AIT) (December 2022)

COURSES AND CONFERENCES: Oral communication at the European Congress of Endocrinology (ECE) (Istanbul, Turkey) (May, 2023)
Poster Presentation at the Matrix Biology Europe 2022 (Florence, Italy) (September, 2022)
Poster Presentation at the Italian Meetings of Endocrinology and Metabolism (IEM) (Naples, Italy) (September, 2022)

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