

CURRICULUM VITAE ET STUDIORUM LUCIA CARMELA PASSACATINI

EDUCATION

October 2023: Certificazione C2 English-ESAT.

October 2023: “**Master di II livello** in Nutrizione e Dietetica applicata”

July 2023: “**Corsi di perfezionamento - nuova didattica per le lingue: metodologia CLIL**” - 23CCL05 60CFU

June 2022: **PhD in Life Science**, “University Magna Graecia of Catanzaro”

June 2020: **LAS** certification (equivalent TO FELASA) <https://ki.se/en/km/function-a-carrying-out-minor-procedures-on-animals-in-research-species-specific>

January 2020- July 2021: **Period abroad at the Karolinska Institutet, PhD program**

December 2018- March 2022: Ph. D student in Life Sciences – Biotechnological Curriculum at “University Magna Graecia of Catanzaro”, XXXIV Cycle.

June 2018: Qualified pharmacist at “University of Calabria”

May 2018: ESB Level C1, English Speaking Board

March 2018: Master’s degree in Pharmaceutical Chemistry and Technology at “University of Calabria”

RESEARCH EXPERIENCE

1 July 2023: Inizio Starting Grant Giovani Ricercatori "Employment of natural killer opioid receptor as a biomarker to ameliorate the efficacy of the rehabilitation program in a patient-oriented strategy" SG-2021-12375551

28 February 2023: Assegno di ricerca UMG “Studio dell’interplay tra il microbiota e le cellule immunitarie nel dolore cronico e infiammatorio: nuovi metodi diagnostici e prospettive terapeutiche” SSD/14 BIO Farmacologia

November 2022: Vincitrice Starting Grant MIUR “Giovani Ricercatori” winner- San Raffaele (Rome)

July 2022: PhD IN Life Science

January 2020 - July 2021: PhD period abroad at the Karolinska Institutet

December 2018: Ph.D thesis project: NK cells response in solid tumor patients treated with anti immune checkpoints therapy.

March 2018: Manager of AIRC conference Research’s egg at IIS E. Siciliano, Bisignano, CS, Italy

December 2017: Experimental thesis project with the experimental thesis “*Lauric acid LA triggers anti-proliferative and pro-apoptotic effects in endometrial cancer cells*”.

November 2015: Manager of AIRC workshop *The future of Research begins in class* at IIS E. Siciliano, Bisignano, CS, Italy

TECHNICAL SKILLS AND COMPETENCES

Western blotting, RNA extraction and Real Time-PCR, PCR, Cell culteres, Cell viability assay, Purification of PBMCs and lymphocytes subpopulations in human and mouse, mouse handling. Multiparametric cytofluorimetry; Use of FlowJo and GraphPad software for univariate statistical analysis, Laboratory Animal Science **Function A** (theory and practical part), Laboratory Animal Science Function A updatings. ECDL certificate skills card and **PEKIT Expert 22 -07 2020**, **PEKIT Security 23 -03- 2023**, FAD IZSLER courses (OPBA: formazione per i compiti, Etica e concezione dei progetti, Biologia e concezione degli animali da laboratorio, Gestione di animali da laboratorio, Elementi base per l'approccio dei ricercatori all'utilizzo degli animali ai fini scientifici, Pratiche avanzate di allevamento, Legislazione nazionale ed etica livello 1, Zebrafish come organismo modello: approcci sperimentali in vitro e in vivo nella ricerca scientifica, Utilizzo dei pesci nella ricerca - 1 "zebrafish, peociliidae, altri pesci (medaka, nothobranchius, ecc).

- 04/02/2021: Referee for PLOSE ONE.

CONFERENCES/SEMINARS/ GRANTS

October 2019: Scuola Superiore d'Immunologia Ruggero Ceppellini, Course "Microbes, Immunity and Cancer", EFIS advanced Immunology Course, Capri (NA), 8- 10 October 2019.
Poster Communication.

December 2019: International Retreat for PhD students in Immunology- Abstract, Oral Presentation and Grant winner.

January- July 2021: Two Scholarship "Fondo Giovani DM 1047/2017 Mobilità Dottorandi Di Ricerca" winner.

May 2021: Digital XII National Congress SIICA, e-poster.

September 2021: 6th European Congress of Immunology (ECI 2021) e-poster session. Amazon card prize winner

November 2021: International Conference on Frontier Technology of Food Science, oral session. Grant winner.

May 2022: XIII SIICA National Congress, Naples Best poster Grant winner.

February 2023: Convegno Monotematico SIF, Florence - Nuove strategie per il trattamento delle patologie algiche intestinali, oral presentation.

May 2023: Poster session presenter SIICA 2023 XIV National Congress, Verona

October 2023 Convegno: "Sistemi complessi in medicina: prospettive future", a cura del Direttore Scientifico Professor Massimo Fini e del Professor Matteo Russo, ospite il Professor Gregg L. Semenza, Premio Nobel per la Medicina 2019, IRCCS SAN RAFFAELE, Roma.

November- December 2023: IUIS XVIII International Congress, Cape Town

December: Delegazione della King Saud University, seminario, IRCCS SAN RAFFAELE, Roma.

PAPERS:

- Costanza Maria Cristiani, Cinzia Garofalo, Lucia Carmela Passacatini, Ennio Carbone. New avenues for melanoma immunotherapy: NK cells? NK cells and solid tumors immune therapy. *Scand. J. Immunol.*, vol.: 91(4):e12861, 2019.

- Francesco Guzzi, Patrizio Candeloro, Marialaura Coluccio, Costanza Maria Cristiani, Elvira Immacolata Parrotta, Luana Scaramuzzino, Stefania Scalise, Elisabetta Dattola, Maria Antonia D'attimo, Giovanni Cuda, Ernesto Lamanna, Lucia Carmela Passacatini, Ennio Carbone, Ulrich Krühne, Enzo Di Fabrizio, Gerardo Perozziello *. A disposable passive microfluidic device for cell culturing. *Biosensors*, vol.: 29;10(3):18, 2020.

- Sara Ilari, Lucia Carmela Passacatini, Valentina Malafoglia, Francesca Oppedisano, Jessica Maiuolo, Micaela Gliozzi, Ernesto Palma, Carlo Tomino, Massimo Fini, William Raffaelli, Vincenzo Mollace, Carolina Muscoli. Tantal Fibromyalgic Supplicium: Is there any relief with the antidepressant employment? A systematic review. *Pharmacological Research*, vol.: 3;106547, 2022.

- Valentina Malafoglia, Sara Ilari, Chiara Gioia, Laura Vitiello, Michael Tenti, Cristina Iannuccelli, Costanza Cristiani, Cinzia Garofalo, Lucia Carmela Passacatini, Giuseppe Viglietto, Antonio Sili Scavalli, Carlo Tomino, Vincenzo Mollace, William Raffaelli, Manuela Di Franco, Carolina Muscoli. Chronic Pain Biomarkers in Fibromyalgia and Osteoarthritis Patients: Which Role for Mu Opioid Receptor's expression on NK cells? *Pharmaceuticals*, Mar 17;11(3):931, 2023.

- Cinzia Garofalo, Costanza Maria Cristiani, Sara Ilari, Lucia Carmela Passacatini, Valentina Malafoglia, Giuseppe Viglietto, Jessica Maiuolo, Francesca Oppedisano, Ernesto Palma, Carlo Tomino, William Raffaelli, Vincenzo Mollace and Carolina Muscoli, Fibromyalgia and Irritable Bowel Syndrome Interaction: A Possible Role for Gut Microbiota and Gut-Brain Axis, *Biomedicines*, 11(6), 1701, 2023.

-Nucera S, Serra M, Caminiti R, Ruga S, Passacatini LC, Macrì R, Scarano F, Maiuolo J, Bulotta R, Mollace R, Bosco F, Guarnieri L, Oppedisano F, Ilari S, Muscoli C, Palma E, Mollace, Non-essential heavy metal effects in cardiovascular diseases: an overview of systematic reviews. *V.Front Cardiovasc Med*, 11:1332339, 2024 Jan 23.

- Androgen modulation of melanoma cell target susceptibility to NK cell cytotoxic recognition. (Manuscript submitted).

-Irritable bowel system and the role of immune system (Overview of Systematic reviews)

-Neuropathic pain after surgery and antidepressants (Systematic review under submission)

FIRMA

Luca Carmela Passacatini