

PERSONAL INFORMATION

Ilenia Cammarata



Sex Female | Date of birth

| Nationality Italian

WORK EXPERIENCE

June 2021- today

Research Fellow

Research Fellow at the institute "IRCCS Fondazione Santa Lucia" with authorization of frequency at the "Dipartimento di Medicina Traslazionale e di Precisione" Sapienza Università di Roma, Policlinico Umberto I (Rome).

Head of research group Prof.ssa Silvia Piconese.

Characterization of human regulatory T lymphocytes (Treg) by multiparametric flow-cytometry in multiple sclerosis patients after cladribine treatment.

October 2018- April 2021

Research Fellow

Cellular and Molecular Immunology Unit. Head of research group Prof. Vincenzo Barnaba, Dipartimento di Scienze Cliniche Internistiche, Anestesiologiche e Cardiovascolari "Sapienza" Università di Roma, Policlinico Umberto I (Rome).

Analysis of phenotype and function of antigen-specific CD8⁺ T cells in human rheumatoid arthritis, multiple sclerosis and HBV infections by multiparametric flow-cytometry.
Study of immunomodulatory effects of tumor secreted proteins.

November 2015- October 2018

PhD Student in "Life Sciences"

Cellular and Molecular Immunology Unit. Head of research group Prof. Vincenzo Barnaba. Department of Internal Medicine and Medical Specialities. "Sapienza" Università di Roma, Policlinico Umberto I (Rome).

Function and phenotype of antigen-specific CD8⁺ T cells in human autoimmune disease (rheumatoid arthritis, multiple sclerosis).

March 2014-July 2015

Graduating Student

Experimental Medicine Unit. Head of research group: Dr. Cecilia Verga Falzacappa. Endocrinology Unit, "Sapienza" Università di Roma

Study of molecular effects of thyroid hormone (T3) in skeletal muscle atrophy.

EDUCATION AND TRAINING

November 2015- October 2018

PhD in "Life Sciences"

Title of the thesis: " Differential susceptibility of autoreactive CD8⁺ T cells to regulatory T cells is related with response or not-response to anti-TNF- α therapy in rheumatoid arthritis"

Director of studies: Vincenzo Barnaba.

PhD defence 14th January 2019

January 2013- July 2015

Laurea Specialistica (MSc) in Medical Biotechnologies

Faculty of Medicine, "Sapienza" University of Rome.

Title of the thesis: " Role of thyroid hormone triiodothyronine (T3) in maintaining muscle homeostasis under conditions of atrophy".

Director of studies: Dr. Cecilia Verga Falzacappa.

Final evaluation: 110/110 *cum laude*.

October 2008- October 2012

Laurea Triennale in Health Biotechnologies

Faculty of Medicine and Surgery, "Università Cattolica del Sacro Cuore" Rome.

Title of the thesis: "A knock-in mouse of the dystroglycan alpha / beta interface: definition of a genotyping protocol"

Directors of studies: Dr. Francesca Sciandra.

Final evaluation: 110/110 *cum laude*.

PERSONAL SKILLS

Mother tongue	Italian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	C1	B1	B1	B1
1/2: Independent : A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages					

Communication skills	<ul style="list-style-type: none"> I have been selected for oral presentations in national meetings and for poster presentation in international meeting.
Professional skills	<ul style="list-style-type: none"> Cellular biology: maintenance of cell culture, organ processing (from mouse and human) for lymphocytes extraction (spleen, lymphnode, tumors), immunomagnetic and gradient-based cell separation, <i>in vitro</i> and <i>ex vivo</i> functional assays, surface and intracellular multiparametric flow cytometry (13 colors), culture of lymphocytes. Molecular biology: nucleic acids extraction from mouse tissue and cells, retrotranscription and cDNA manipulation, PCR, protein extraction, Western Blotting.
Computer skills	<ul style="list-style-type: none"> Competent with most of Microsoft Office™ tools Experience with many programs connected with biological research: flow cytometry data analysis with FlowJo, statistical analysis with Prism.
Driving licence	<ul style="list-style-type: none"> B

ADDITIONAL INFORMATION

Fellowships and awards	<ul style="list-style-type: none"> 2021: Premio SIICA Ricercata, re-entered award (XXI National Congress SIICA 2021, 26-28 may) 2018: SIICA Travel Grant sponsored for the European Congress of Immunology, Amsterdam (2-5 september 2018) 2017: SIICA Travel Grant sponsored for the "International Retreat of PhD Students in Immunology", SIICA PhD retreat, (Verona 6-7 October, 2017) 2016: SIICA Travel Grant sponsored for the "International Retreat of PhD Students in Immunology", SIICA PhD retreat, (Naples 29th September-1st October, 2016).
Scientific activities	<ul style="list-style-type: none"> Member of Italian Society of Immunology, Clinical Immunology and Allergology (SIICA)

- Courses**
- 5-12/05/2018: 13th ENII EFIS EJI Summer School on Advanced Immunology, Porto Cervo, Sardinia
 - 26-28/05/2017: "SIICA School of Immunology" of the Italian Society of Clinical Immunology and Allergology (SIICA), Bari
- Meetings**
- 10-13/09/2019: II Joint Meeting of the German Society for Immunology (DGfI) and the Italian Society of Immunology, Clinical Immunology and Allergology (SIICA), Munich
 - 6-7/10/2017: SIICA International Retreat of PhD students, Verona, selected for *oral presentation*.
 - 28-31/05/2017: SIICA 11th national conference (Hotel Nicolaus, Bari, Italy), selected for *poster presentation*.
 - 29/09-1/10/2016: SIICA International Retreat of PhD Students in Immunology, University of Naples, selected for *oral and poster presentation*
 - 25-28/05/2016: SIICA 10th national conference (Congress Center Pietro D'Abano, Abano Terme, Italy), selected for *oral presentation*.
 - 14-16/01/2016: MS Lab Retreat, (Dynamo Camp, Limestone), *oral presentation*
- Bibliometric indicators**
- H-Index: 8 (Scopus database)
Number of publications: 10
- Publications**
- Pinzon Grimaldos A, Pacella I, Bini S, Tucci G, **Cammarata I**, Di Costanzo A, Minicocci I, D'Erasmo L, Arca M, Piconese S. *ANGPTL3 deficiency associates with the expansion of regulatory T cells with reduced lipid content*. Atherosclerosis 2022
- Cossarizza A, Chang HD, Radbruch A, ... **Cammarata I**, ..., Zychlinsky A. *Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition)*. Eur J Immunol 2021
- Pacella I[#], **Cammarata I**[#], Martire C, Brancaccio G, Gaeta GB, Barnaba V, Piconese S. *CD8⁺ T cells specific to apoptosis-associated epitopes are expanded in patients with chronic HBV infection and fibrosis*. Liver Int 2020
- Gallerano D, Ciminati S, Grimaldi A, Piconese S, **Cammarata I**, Focaccetti C, Pacella I, Accapezzato D, Lancellotti F, Sacco L, Caronna R, Melaiu O, Fruci D, D'Oria V, Manzi E, Sagnotta A, Parrino C, Coletta D, Peruzzi G, Terenzi V, Battisti A, Cassoni A, Fadda MT, Brozzetti S, Fazzi K, Grazi GL, Valentini V, Chirletti P, Polimeni A, Barnaba V, Timperi E. *Genetically driven CD39 expression shapes human tumor-infiltrating CD8⁺ T-cell functions*. Int J Cancer 2020
- Grimaldi A[#], **Cammarata I**[#], Martire C, Focaccetti C, Piconese S, Buccilli M, Mancone C, Buzzacchino F, Berrios JRG, D'Alessandris N, Tomao S, Giangaspero F, Paroli M, Caccavale R, Spinelli GP, Girelli G, Peruzzi G, Nisticò P, Spada S, Panetta M, Letizia Cecere F, Visca P, Facciolo F, Longo F, Barnaba V. *Combination of chemotherapy and PD-1 blockade induces T cell responses to tumor non-mutated neoantigens*. Commun Biol 2020
- Cossarizza A, Chang HD, Radbruch A, ... **Cammarata I**, ..., Zychlinsky A. *Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition)*. Eur J Immunol 2019
- Ucci S, Renzini A, Russi V, Mangialardo C, **Cammarata I**, Cavioli G, Santaguida MG, Virili C, Centanni M, Adamo S, Moresi V, Verga-Falzacappa C. *Thyroid Hormone Protects from Fasting-Induced Skeletal Muscle Atrophy by Promoting Metabolic Adaptation*. Int J Mol Sci 2019
- Cammarata I**, Martire C, Citro A, Raimondo D, Fruci D, Melaiu O, D'Oria V, Carone C, Peruzzi G, Cerboni C, Santoni A, Sidney J, Sette A, Paroli M, Caccavale R, Milanetti E, Riminucci M, Timperi E, Piconese S, Manzo A, Montecucco C, Scrivo R, Valesini G, Cariani E, Barnaba V. *Counter-regulation of regulatory T cells by autoreactive CD8⁺ T cells in rheumatoid arthritis*. J Autoimmun. 2019
- Piconese S, **Cammarata I**, Barnaba V. *Viral hepatitis, inflammation, and cancer: A lesson for autoimmunity*. J Autoimmun. 2018
- Pacella I[#], **Cammarata I**[#], Focaccetti, Miacci S, Gulino A, Tripodo C, Ravà M, Barnaba V, Piconese S. *Wnt3a Neutralization Enhances T-cell Responses through Indirect Mechanisms and Restrains Tumor Growth*. Cancer Immunol Res. 2018

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Rome, 28/09/2023