
BIOGRAPHICAL SKETCH

NAME Ada FUNARO	POSITION TITLE Associate Professor of Medical Genetics. Head of the Laboratory of Immunogenetics, Department of Medical Sciences University of Torino
-------------------------------	--

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Torino, Biological Sciences. University of Torino, School of Medicine	Master degree PhD	1980 1992	Medical Sciences Human Genetics

Personal statement:

I began my scientific career working at the San Giovanni Oncological Hospital in Torino (supervisor: Prof. G. Bussolati). From 1996 to 1999 I was consultant for Sicor (Società Italiana Corticosteroidi, S.p.A, Milano) for the production of human monoclonal antibodies against tumor-associated antigens. From 2002 to 2004 I was consultant for Serono for the generation and characterization of monoclonal antibodies for diagnostic use in oncology. I continued my scientific career at the Laboratory of Immunogenetics, Department of Medical Sciences (University of Torino, Italy) devoting many years to the study of the role of the NADase/ADP-ribosyl cyclase gene family in inflammation and cancer. Among my scientific interest, I have dedicated part of my career to the study of autoimmune diseases, especially systemic scleroderma. I always work in collaboration with colleagues with a clinical background attempting to transfer knowledge from the laboratory to patients and vice versa.

A. Positions and Honors.

<p>1993-2001: Research Scientist, Department of Genetics, Biology and Biochemistry, University of Torino Medical School, Italy.</p> <p>2002- 2004: Assistant Professor in Recombinant DNA Technologies, University of Torino Medical School, Italy.</p> <p>2005: Associate Professor of Medical Genetics, University of Torino Medical School, Italy.</p> <p>2006-2021: Faculty member of the PhD program in Complex systems for life sciences, University of Torino</p> <p>2018: Head of the Laboratory of Immunogenetics, Department of Medical Sciences University of Torino, Torino, Italy</p>
--

B. Selected peer-reviewed publications (in chronological order).

<p>1. E. Ortolan, R. Arisio, S. Morone, P. Bovino, N. Lo-Buono, G. Nacci, R. Parrotta, D. Katsaros, I. Rapa, G. Migliaretti, E. Ferrero, M. Volante, A. Funaro. Functional role and prognostic significance of CD157 in ovarian carcinoma. <i>Journal of the National Cancer Institute</i> 102: 1160-1177, 2010.</p> <p>2. E. Ortolan, A. Giacomino, F. Martinetto, S. Morone, N. Lo Buono, E. Ferrero, G. Scagliotti, S. Novello, S. Orecchia, E. Ruffini, I. Rapa, L. Righi, M. Volante, A. Funaro. CD157 enhances malignant pleural mesothelioma aggressiveness and predicts poor clinical outcome. <i>Oncotarget</i>. 5(15):6191-205, 2014.</p> <p>3. G. Moroncini, A. Grieco, G. Nacci, C. Paolini, C. Tonnini, K.N. Pozniak, M. Cuccioloni, M. Mozzicafreddo, S. Svegliati, M. Angeletti, A. Kazlauskas, E.V. Avvedimento, A. Funaro, A. Gabrielli. Epitope specificity determines pathogenicity and detectability of anti-PDGFRα autoantibodies in systemic</p>
--

sclerosis. *Arthritis & Rheumatology* 67(7):1891-903, 2015.

4. E. Ferrero, N. Lo Buono, S. Morone, R. Parrotta, C. Mancini, A. Brusco, A. Giacomino, S. Augeri, A. Rosal-Vela, S. García-Rodríguez, M. Zubiaur, J. Sancho, A. Fiorio Pla, A. Funaro. Human canonical CD157/Bst1 is an alternatively spliced isoform masking a previously unidentified primate-specific exon included in a novel transcript. *Scientific Reports* 7(1):15923. 2017

5. Y. Yakymiv, S. Augeri, G. Fissolo, S. Peola, C. Bracci, M. Binaschi, D. Bellarosa, A. Pellacani, E. Ferrero, E. Ortolan, A. Funaro. CD157: From Myeloid Cell Differentiation Marker to Therapeutic Target in Acute Myeloid Leukemia. *Cells*. 5;8(12). 2019 pii: E1580.

6. Y. Yakymiv, S. Augeri, C. Bracci, S. Marchisio, S. Aydin, S. D'Ardia, M. Massaia, E. Ferrero, E. Ortolan, 7. A. Funaro. CD157 signaling promotes survival of acute myeloid leukemia cells and modulates sensitivity to cytarabine through regulation of anti-apoptotic Mcl-1. *Scientific Reports* 11(1):21230, 2021

8. S. Agarbati, D. Benfaremo, N. Viola, C. Paolini, S. Svegliati Baroni, A. Funaro, G. Moroncini, F. Malavasi and A. Gabrielli. Increased expression of the ectoenzyme CD38 in peripheral blood plasmablasts and plasma cells of patients with systemic sclerosis. *Frontiers in Immunology* 13:1072462. 2022

9. Y. Yakymiv, S. Marchisio, E. Ortolan, C. Bracci, R. Senetta, M.R. Rumore, C. Tampieri, M. Fia, S. Ribero, A. Funaro, P. Quaglino. CD39/CD73 dysregulation and adenosine metabolism contribute to T cell immunosuppression in patients with Sézary syndrome. *Blood* 141(1):111-116. 2023 doi: 10.1182/blood.2022017259.

SCOPUS: h-index = 33, number of paper = 119, number of citations = 4913

ISI WOS: h-index = 33, number of paper = 135, number citations = 4873

Google SCHOLAR: h-index = 39, i10-index = 73, number of citations = 7225

https://scholar.google.it/citations?view_op=list_works&hl=it&user=w1jiWWEAAAJ

Web of Science Researcher ID [AAC-3203-2019](#)

ORCID: 0000-0001-6341-1817

C. Research Support.

2007-2009: Fondazione Cassa di Risparmio di Verona, Vicenza e Ancona “Autoanticorpi anti-recettore del Pdgf e diagnosi precoce di sclerodermia”

2009-2011: PRIN Project, Ministry of Education and Scientific Research, Italy (PI of the research Unit)

2014-16: Ministry of Health (Ricerca Sanitaria Finalizzata 2011-12) RF-2011-02352331 “Systemic Sclerosis and Chronic Graft versus Host Disease: application of novel predictive assays and generation of transgenic animal models”. (PI of the Research Unit).

2015-2018: Associazione Italiana Ricerca Cancro (AIRC) IG15968 “Dissecting the role of CD157 in malignant pleural mesothelioma: from prognosis to personalized therapy” (Principal Investigator).

2015-2019: Menarini Research (Roma, Italy). Functional effects of MEN1112 in leukemic blasts and in the bone marrow microenvironment in acute myeloid leukemia. (Principal Investigator)

2017: MIUR – Project title: CD157 as a potential pleural effusion biomarker for malignant mesothelioma. (Principal Investigator)

2017: CD157 in the regulation of stem cells niche microenvironment: bone marrow stromal cells as a model. I@UNITO internalization program. (Principal Investigator)

2022: RiLo, MUR-CD39/CD73 expression and adenosine metabolism in the cross-talk between Sézary Syndrome cells and blood-skin microenvironment.