

## Prof. Gilberto Filaci

Full Professor of Science of Laboratory Techniques for Medicine at the  
University of Genoa, Italy

### EDUCATION AND TRAINING

- 1987** Degree with full marks and honours in Medicine, University of Palermo, Italy
- 1990** Winner of a grant from Consiglio Nazionale delle Ricerche for studies on the project "Biostrumentazione e Biotecnologie"
- 1991** Winner of a grant from Ministero dell'Università e della Ricerca Scientifica e Tecnologica for abroad fellowship
- 1991-1993** Fellowship at Cancer Center of University of California, San Diego (UCSD) in San Diego
- 1995** PhD in Experimental Hematology
- 1996** Specialization in Internal medicine
- 1997** Winner of a grant from the Italian Foundation for Cancer Research
- 1997** Winner of a grant for research in the field of AIDS from Istituto Superiore di Sanità

### PROFESSIONAL HISTORY

- 1998** Assistant Professor of Internal Medicine at the University of Genoa, Italy
- 2005** Associate Professor of Internal Medicine at the University of Genoa, Italy
- 2017** Full Professor of Science of Laboratory Techniques for Medicine at the University of Genoa, Italy

### ACADEMIC APPOINTMENTS

- Since 2009** Director of the Operative Unit of Clinical and Experimental Immunology at the Centre of Excellence for Biomedical Research, University of Genoa, Italy
- Since 2018** Director of Biotherapy Unit at IRCCS Ospedale Policlinico San Martino, Genoa, Italy
- Since 2021** Member of CDA of the University of Genoa, Italy

## EXPERIENCE

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

Year	Funding source and project	Amount
2001	Compagnia di San Paolo: Progetto di ricerca "Sviluppo di un nuovo modello di immunizzazione genica contro le neoplasie basato sulla transgenesi spontanea dei linfociti B"	£ 360.000.000
2002	MIUR-PRIN: Analisi della funzione e della distribuzione dei linfociti T immunoregolatori in pazienti affette da tiroidite autoimmune con dimostrata presenza di microchimerismo	€ 40.000
2003	Compagnia di San Paolo: Progetto di ricerca "Analysis of frequency and functional activity of telomerase-specific CD8+ T lymphocytes and CD8+ T suppressor lymphocytes in cancer patients"	€ 310.000
2006	Fondazione CARIGE: "Ricerca sull'immunoterapia del melanoma basata sull'immunizzazione genica e sull'inibizione funzionale dei linfociti soppressori"	€ 50.000
2006	Compagnia di San Paolo: Progetto di ricerca "New therapies for systemic lupus erythematosus: development of original approaches based on tolerogenic gene vaccination or adoptive suppressor cell transfer"	€ 320.000
2008	Compagnia di San Paolo: Progetto di ricerca "Immunoterapia con peptidi telomerasici dei carcinoma della prostata e del rene".	€ 600.000
2010	Compagnia di San Paolo: Progetto di ricerca "IMMUNOTERAPIA ANTI-TUMORALE: ANALISI D'EFFICACIA DEI PRINCIPALI PROTOCOLLI TRADIZIONALI D'IMMUNIZZAZIONE E VALIDAZIONE DELL'EFFICACIA TERAPEUTICA DELL'INIBIZIONE DELL'INTERLEUCHINA 10 NEL TRATTAMENTO DEL MELANOMA."	€ 160.000

2010	MIUR (PRIN): Progetto di ricerca "Immunoterapia anti-tumorale operata attraverso l'inibizione dei circuiti regolatori citochino-dipendenti".	€ 44.000
2019	POR-FESR Regione Campania: ADViSE Antitumor Drugs and Vaccines from the SEa	€ 600000
2019	progetto Ministero della Salute - Bando Ricerca finalizzata 2018: "Phase II, multicenter, double blind, randomized controlled trial on "off the shelf" allogeneic Platelet Rich Plasma (PRP) to treat diabetic foot ulcers"	€80000
2019	Ministero della Salute – Bando 5M-2019-2366468 - 5 per mille: Generazione di organoidi tumorali da neoplasie solide ed ematologiche	€60000
2023	PRIN- Bando 2022 Mesenchymal stem cell freeze-dried secretome for lung fibrosis therapy: efficacy proof-of-concept in a murine model (ARTURO)	€74.000

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS FINANCED BY NON-COMPETITIVE FUNDS

Year	Funding source and project	Amount
2009	Genovax srl: Progetto di ricerca: "Analisi fenotipiche e funzionali su linfociti di topi lupus-prone sottoposti a differenti trattamenti vaccinali a scopo tollerogenico".	€ 20.000
2009	Genovax srl: Progetto di ricerca: "Immunoterapia con peptidi telomerasici dei carcinoma del rene e della prostata".	€ 100.000
2013	Mediolanum Farmaceutici spa:	€ 110.000

	Progetto di ricerca “Analisi dell’immunogenicità di quattro peptidi telomerasici”.	
2013	Mediolanum Farmaceutici spa: Progetto di ricerca "Analysis of telomerase expression by bladder cancers and identification of telomerase-reactive T lymphocytes among bladder cancer infiltrating T lymphocytes".	€ 80.000
2013	Mediolanum Farmaceutici spa: Progetto di ricerca "A randomised, parallel-group, open-label Phase II trial of the immunological effects of three regimens of GX301 vaccination in castration-resistant prostate cancer patients who have achieved response to first-line chemotherapy (Study MED-GX301-02)".	€ 1.061.875
2016	Laboratoires Leurquin Mediolanum SAS: Progetto di ricerca " Analysis of the in vivo protective effect of a Mouse-IL10R-Albumin fusion protein".	€ 130.000
2019	Laboratoires Leurquin Mediolanum SAS: Analysis of in vivo protective effect of human IL10R-albumin fusion protein on tumor challenged humanized mice.	€ 106854
2023	PRIN- Bando 2022 Mesenchymal stem cell freeze-dried secretome for lung fibrosis therapy: efficacy proof-of-concept in a murine model (ARTURO)	€74.000

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF ACADEMIC PATENTS

#### Patents

Ig-pConsensus gene vaccination protects from antibody-dependent immune pathology in autoimmune disease, 2008, WO2008EP02902, USA;

ANTI-TUMOR IMMUNOTHERAPY , 2009, US20090997630, USA;

A planar support having an ultraflat surface and a device for detecting antiagens comprising said planar support, 2011, PCT/IB2011/052941

A soluble chimeric interleukin-10 receptor and therapeutic use thereof, 2016,  
PCT/IB2016/052359

Technological transfer

Co-founder of a start-up company, Genovax srl, at the Bioindustry Park Silvano Fumero  
(Colleretto Giacosa, Turin)