



Personal Information Early Stage Researcher EUTRAIN project:

Please insert a picture of yourself here:



Contact information

Name	PAOLA BONAVENTURA
Work address (detailed affiliation)	Immunogenomics and inflammation research unit Hopital E. Herriot, Pavillon P, 5ème étage 5, place de l'Arsonval 69003 Lyon -FR-
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One page summary of your cv, including:

- ❖ Your education and training
- ❖ Your major area's of interests, both professionally and privately
- ❖ Your expertise
- ❖ Your personal expectations for EUTRAIN

- **Master in Medical Biotechnology** ; Master degree: 103/110

Università di Torino, facoltà di Medicina e Chirurgia at MBC (Molecular Biotechnology Center)

“ Phenotypical and functional characterization of T helper 22 cells in multiple Sclerosis Patients” Tumor Immunology lab. CeRMS ,Ospedale San Giovanni Battista. Torino, Italy.

Bachelor's in Biological Sciences; Bachelor degree: 106/110

Università del Piemonte Orientale, sede di Alessandria, Facoltà di Scienze Matematiche, Fisiche e Naturali. **“Security in Transfusional Medicine: Screening and II level technics”** Virology and Molecular Biology lab. SIMT, ospedale Cardinal Massaia, Asti Italy.

Interested in research, and wider in discovery, I define Immunology the Rosetta stone of human diseases, "a crucial key to the process of decryption of encoded information, as a clue to understand the larger whole" and that's the reason of my growing passion for the field. My area of interests is concerning autoimmune diseases: my previous work was centered on the study of Th22 cells a new class of Th cells found increased in different inflammatory diseases and I focused my attention in their expansion in Multiple Sclerosis patients. My thesis work is centered on the study of the inflammatory cytokines network in arthritis, at both cellular and molecular levels, and on the interaction of metals within the inflammatory surround. Scientific research has its origins in a fundamental human character: curiosity; and I'm very curious, I like getting the chance to travel to know different places and way of living and I love listening to music, allowing me to experiment always new expression ways.

My skills are divided on different fields: cell biology (isolation of PBMCs from Blood Samples and CSF, Cell culture of FLS), immunology (Cell staining, Intracyto Cell staining, Flow Cytometry, ELISA, ELISPOT, T cells cloning), Molecular Biology (RNA extraction, RT and PCR) bioinformatics and statistics (Student's t-test, one-way and two-way ANOVA, Prism 5.0 Graph pad Software), informatics (Microsoft Office, Internet explorer).

This initial part of the work with EUTRAIN has raised many relevant questions and I would like to be one of the people working towards the answers. It is my conviction that the superior research facilities, the nurturing academic environment and a quality education will full fill my aspiration to become a scientist with important achievements in the future in my chosen field. I plan to further keeping myself abreast with the latest developments, and venture into new realms based on the knowledge and the skills that I have accumulated so I will devote myself to this important project which is just in its incipient development and enjoy a tremendous potential. In this way I hope to achieve some innovative research results and produce several high-quality research papers. I'm sure that working in such in International environment will give me the chance to discover a new country, a new language and new way of working, making me an open-minded person and I expect that the research-intensive Ph.D. training there will help me become well prepared for a great career in health research.