

**CV of Alessandra Luini**  
**Technician Assistant**

**Education and training**

- 2004            Degree in Biological Sciences (BSC), University of Insubria, Varese, Italy.  
2004-2007     Research contract, University of Insubria, Varese, Italy.  
2007-present   Technician Assistant Contract, University of Insubria, Varese, Italy.

**Research interests and techniques**

Immunopharmacology with particular regard to the mechanisms regulating spontaneous and acquired immune response in health and disease.

Recent research in this field concern:

- the contribution of inflammatory mechanisms to cardiovascular disease, in particular atherosclerosis and the effect of cardiovascular drugs (statins, drugs acting on the renin-angiotensin system);
- functional role of dopaminergic pathway in leukocyte subsets and in endothelial cells (HUVEC) and their involvement in inflammatory events;
- the role of neurotransmitters and neuropeptides in the regulation of human PMN function and the relevance of these mechanisms for the immune effects of CNS drugs.

Originally developed and currently employed include: cell cultures and cell function assays on different cell types (leukocytes, splenocytes, monocytic cell lines, cancer cell lines, HUVEC); in vitro and in vivo models for the evaluation of pharmacological activities; spectrofluorimetry (ROS generation); quantitative sandwich enzyme immunoassay technique (ELISA); MTT assay for cell survival.