

**CURRICULUM VITAE**  
**ELEONORA GALLERANI**



**DEGREE**

- **DEGREE IN PHARMACEUTICAL CHEMISTRY AND TECHNOLOGY**  
29<sup>th</sup> October 2001, at the University of Ferrara with 110/110 cum laude. Title of the thesis: "Effect of HIV-1 Tat protein on antigen processing". Supervisor: Prof. Riccardo Gavioli.
- **QUALIFIED PHARMACIST**  
June 2002 at the University of Ferrara
- **PhD DEGREE IN EXPERIMENTAL ONCOLOGY**  
24<sup>th</sup> February 2006, at the Department of Biochemistry and Molecular Biology of University of Ferrara, title of the thesis: " Modulation of CTL epitopes presentation by HIV-1 Tat protein". Supervisor: Prof. Riccardo Gavioli.

**WORK EXPERIENCE**

- From 1<sup>st</sup> September 2007: Technician at the Department of Biochemistry and Molecular Biology of University of Ferrara.
- 1<sup>st</sup> September 2005 – 31<sup>st</sup> August 2007: Post-doc at the Department of Biochemistry and Molecular Biology of University of Ferrara.
- 23<sup>rd</sup> August 2004 – 31<sup>st</sup> July 2005: Guest researcher at the Microbiology and Tumor Biology Center, Karolinska Institutet, Stockholm

**TRAINING COURSES**

- 25<sup>th</sup> August - 5<sup>th</sup> September 2003: Attended at the course "The Ubiquitin-proteasome system in health and disease". Organized by Ph.D. M.D. Maria G. Masucci, at the Karolinska Institutet, Stockholm
- 31<sup>st</sup> January – 11<sup>st</sup> February 2005: Attended at the course "Course on Laboratory Animal Science". Organized by Veterinary Resources, at the Karolinska Institutet, Stockholm

**SCIENTIFIC ACTIVITIES**

**Publications and Patents**

Eleonora Gallerani's research activity is developed at the Department of Biochemistry and Molecular Biology of University of Ferrara in the Prof. Riccardo Gavioli laboratory; Eleonora Gallerani is co-author in 8 publications in scientific journals.

Effects of different routes of administration on the immunogenicity of the Tat protein and a Tat-derived peptide.  
Finessi V, Nicoli F, **Gallerani E**, Sforza F, Sicurella M, Cafaro A, Caputo A, Ensoli B, Gavioli R.  
Human Vaccines & Immunotherapeutics. In press

An attenuated herpes simplex virus type 1 (HSV1) encoding the HIV-1 Tat protein protects mice from a deadly mucosal HSV1 challenge.

Sicurella M, Nicoli F, **Gallerani E**, Volpi I, Berto E, Finessi V, Destro F, Manservigi R, Cafaro A, Ensoli B, Caputo A, Gavioli R, Marconi PC.

PLoS One. 2014 Jul 17;9(7):e100844. doi: 10.1371/journal.pone.0100844. eCollection 2014.

HIV-1 Tat affects the programming and functionality of human CD8<sup>+</sup> T cells by modulating the expression of T-box transcription factors.

Sforza F, Nicoli F, **Gallerani E**, Finessi V, Reali E, Cafaro A, Caputo A, Ensoli B, Gavioli R.

AIDS. 2014 Jul 31;28(12):1729-38. doi: 10.1097/QAD.0000000000000315.

The HIV-1 Tat protein induces the activation of CD8<sup>+</sup> T cells and affects in vivo the magnitude and kinetics of antiviral responses.

Nicoli F, Finessi V, Sicurella M, Rizzotto L, **Gallerani E**, Destro F, Cafaro A, Marconi P, Caputo A, Ensoli B, Gavioli R.

PLoS One. 2013 Nov 4;8(11):e77746. doi: 10.1371/journal.pone.0077746. eCollection 2013.

Proteasome inhibitors induce the presentation of an Epstein-Barr virus nuclear antigen 1-derived cytotoxic T lymphocyte epitope in Burkitt's lymphoma cells.

Destro F, Sforza F, Sicurella M, Marescotti D, **Gallerani E**, Baldisserotto A, Marastoni M, Gavioli R. Immunology. 2011 May;133(1):105-14. doi: 10.1111/j.1365-2567.2011.03416.x. Epub 2011 Feb 22.

The Tat protein broadens T cell responses directed to the HIV-1 antigens Gag and Env: implications for the design of new vaccination strategies against AIDS.

Gavioli R, Cellini S, Castaldello A, Voltan R, **Gallerani E**, Gagliardoni F, Fortini C, Cofano EB, Triulzi C, Cafaro A, Srivastava I, Barnett S, Caputo A, Ensoli B. Vaccine. 2008 Jan 30;26(5):727-37. Epub 2007 Dec 4.

Intracellular HIV-1 Tat protein represses constitutive LMP2 transcription increasing proteasome activity by interfering with the binding of IRF-1 to STAT1.

Remoli AL, Marsili G, Perrotti E, **Gallerani E**, Ilari R, Nappi F, Cafaro A, Ensoli B, Gavioli R, Battistini A. Biochem J. 2006 Jun 1;396(2):371-80.

HIV-1 tat protein modulates the generation of cytotoxic T cell epitopes by modifying proteasome composition and enzymatic activity.


Gavioli R, **Gallerani E**, Fortini C, Fabris M, Bottoni A, Canella A, Bonaccorsi A, Marastoni M, Micheletti F, Cafaro A, Rimessi P, Caputo A, Ensoli B.

## EDUCATION ACTIVITY

Since 2002, support activities for students during the thesis and compilation of the thesis.

Assistance during the lab exercises in the courses of Prof. Gavioli for the degree program in Pharmaceutical Chemistry and Technology and for the degree course in Pharmacy.

Lectures, tutorials and laboratory tests to students of high school interns.



Ferrara, 25 Maggio 2015

"Il sottoscritto acconsente, ai sensi del D.Lgs. 30/06/2003 n. 196, al trattamento dei propri dati personali."

"Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara".