

PERSONAL INFORMATION **Claudia Pinacchio**

## WORK EXPERIENCE

- 11/2016–31/10/2019 **PhD Student**  
Department of Public Health and Infectious Diseases University "Sapienza", Rome (Italy)
- 01/01/2018–30/06/2019 **Visiting research scholar**  
Yerkes National Primate Research Center, Emory University, Atlanta (United States)  
Division of Microbiology and Immunology  
Guido Silvestri's Lab
- 01/03/2016–01/10/2016 **Comparative Anatomy Student Collaboration Scholarship**  
Department of Biology and Biotechnology Charles Darwin, University "Sapienza", Rome (Italy)
- 09/2015–10/2016 **Masters Degree dissertation internship entitled: "Flavivirus and Interferon: induction and antiviral activity "**  
Department of Molecular Biology, Virology Lab University "Sapienza", Rome (Italy)
- 01/2014–07/2014 **Degree dissertation internship entitled "Use of vectors with inducible promoters in Drosophila melanogaster cellular cultures"**  
Department of Biology and Biotechnology Charles Darwin , Genetic Lab, University "Sapienza", Rome (Italy)

## EDUCATION AND TRAINING

- 01/11/2016–31/10/2019 **Ph.D Course in Infectious Diseases, Microbiology and Public Health**  
Sapienza University of Rome, Rome (Italy)  
**Dissertation title: "Innate, non-cytolytic CD8<sup>+</sup> T cell-mediated suppression of HIV replication by MHC-independent inhibition of virus transcription"**
- 09/2014–10/2016 **Masters degree in Genetics and Molecular Biology for Basic and Biomedical Research with 110/110 cum laude**  
University "Sapienza", Rome (Italy)
- 09/2009–07/2014 **Degree in Biology with 104/110**  
University "Sapienza", Rome (Italy)
- 09/2004–07/2009 **High school Diploma in Classics with 100/100**  
High school "Benedetto da Norcia, Via Saracinesco 18", Rome (Italy)

## PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Spanish	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
[Common European Framework of Reference for Languages - Self-assessment grid](#)

Communication skills *Team spirit and skills in teamwork and management in the perception of individual needs.*

Organisational / managerial skills • Sense of organization (experience in logistics); • Good experience in project or team management.

Job-related skills **Basic lab skills:** Preparation and processing of laboratory buffers, solutions, growth media; pipetting, titrations, microscopy.  
**Cell Biology skills:** Transfection, reporter assay, cell counting, cell proliferation assay, cell culture, Isolation of T cell subsets, Isolation of PBMCs. Isolation of LPLs from GALT biopsies.  
**Virology skills:** Multi-parametric Flow cytometry, infectivity assay and generation of pseudo-typed virus.  
**Immunology skills:** ELISA assay, Western Blot  
**Molecular Biology skills:** Transformation, Genomic DNA extraction, total RNA extraction, RT-PCR, PCR, Restriction digestion, agarose and polyacrylamide gel electrophoresis.  
**Microbial techniques:** Techniques for establishment and maintenance of culture, isolation and identification of antibiotic sensitive bacteria, maintenance of microbiological strains, plasmid isolation from microbial cells, cloning and transformation (BSL2 grade). Viral Infection (BSL3 grade Laboratory)  
**Bioinformatics skills:** Knowledge of computational and statistical analysis of biological systems by using softwares:SPSS-17 and GraphPad Prism 7; MS Office (Word, Excel, and PowerPoint).

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Proficient user	Independent user	Independent user	Independent user

[Digital skills - Self-assessment grid](#)

Excellent knowledge of computer equipment in common use and Windows operating systems.

Driving licence B

## ADDITIONAL INFORMATION

Publications -Challenges in the management of HIV infection: update on the role of probiotic supplementation as a possible complementary therapeutic strategy for cART treated people living with HIV/AIDS.Ceccarelli G, Stazu M, Santinelli L, **Pinacchio C**, Bitossi C, Cavallari EN, Vullo V, Scagnolari C, d'Ettorre G. Expert Opin Biol Ther. 2019 Sep. Impact Factor 3.974

-Physical Activity and HIV: Effects on Fitness Status, Metabolism, Inflammation and Immune-Activation.Ceccarelli G, **Pinacchio C**, Santinelli L, Adami PE, Borrazzo C, Cavallari EN, Vullo A, Innocenti GP, Mezzaroma I, Mastroianni CM, d'Ettorre G. AIDS Behav. 2019 Apr 23. Impact Factor

3.312

-Increased expression of IL-32 correlates with IFN- $\gamma$ , Th1 and Tc1 in virologically suppressed HIV-1-infected patients. Santinelli L, Statzu M, Pierangeli A, Frasca F, Bressan A, **Pinacchio C**, Nonne C, Turriziani O, Antonelli G, d'Ettorre G, Scagnolari C. *Cytokine*. 2019 Aug; Epub 2019 Mar 23. Impact Factor 3.488

-Increased IL-17 and/or IFN- $\gamma$ -producing T-cell subsets in gut mucosa of long-term-treated HIV-1-infected women. d'Ettorre G, Borrazzo C, **Pinacchio C**, Santinelli L, Cavallari EN, Statzu M, Fanello G, Ceccarelli G, Antonelli G, Vullo V, Mastroianni CM, Scagnolari C. *AIDS*. 2019 Mar 15. Impact Factor 4.499

-Increased SAMHD1 transcript expression correlates with interferon-related genes in HIV-1-infected patients. Statzu M, Santinelli L, Viscido A, **Pinacchio C**, Ceccarelli G, Rotondo C, Corano Scheri G, Mezzaroma I, Turriziani O, Antonelli G, d'Ettorre G, Scagnolari C. *Med Microbiol Immunol*. 2018 Dec 18. Impact Factor 3.202

-Type I/II Interferon in HIV-1-Infected Patients: Expression in Gut Mucosa and in Peripheral Blood Mononuclear Cells and Its Modification upon Probiotic Supplementation. **Pinacchio C**, Scheri GC, Statzu M, Santinelli L, Ceccarelli G, Innocenti GP, Vullo V, Antonelli G, Brenchley JM, d'Ettorre G, Scagnolari C. *J Immunol Res*. 2018 Aug 12. Impact Factor 3.298

-Systemic adipokines, hepatokines and interleukin-6 in HCV-monoinfected and HCV/HIV coinfecting patients treated with direct antiviral agents (DAAs). Pavone P, Alfieri G, Corano-Scheri G, **Pinacchio C**, Fard SN, Mascia C, Tieghi T, Lichtner M, d'Ettorre G, Vullo V, Mastroianni CM. *Clin Res Hepatol Gastroenterol*. 2018 Jun. Impact Factor 2.623

-Hepatitis C Virus and Hepatocellular Carcinoma: Pathogenetic Mechanisms and Impact of Direct-Acting Antivirals. Schietroma I, Scheri GC, **Pinacchio C**, Statzu M, Petruzzello A, Vullo V. *Open Virol J*. 2018 Feb 28. Impact Factor 1.160

-Direct-acting antiviral therapy enhances total CD4+ and CD8+ T-cells responses, but does not alter T-cells activation among HCV mono-infected, and HCV/HIV-1 co-infected patients. Najafi Fard S, Schietroma I, Corano Scheri G, Giustini N, Serafino S, Cavallari EN, **Pinacchio C**, De Girolamo G, Ceccarelli G, Scagnolari C, Vullo V, d'Ettorre G. *Clin Res Hepatol Gastroenterol*. 2018 Sep. Impact Factor 2.623

-Impact of High-Dose Multi-Strain Probiotic Supplementation on Neurocognitive Performance and Central Nervous System Immune Activation of HIV-1 Infected Individuals. Ceccarelli G, Brenchley JM, Cavallari EN, Scheri GC, Fratino M, **Pinacchio C**, Schietroma I, Fard SN, Scagnolari C, Mezzaroma I, Vullo V, d'Ettorre G. *Nutrients*. 2017 Nov 21. Impact Factor 4.196

- Modulation of Tryptophan/Serotonin Pathway by Probiotic Supplementation in Human Immunodeficiency Virus-Positive Patients: Preliminary Results of a New Study Approach Scheri GC, Fard SN, Schietroma I, Mastrangelo A, **Pinacchio C**, Giustini N, Serafino S, De Girolamo G, Cavallari EN, Statzu M, Laghi L, Vullo A, Ceccarelli G, Vullo V, d'Ettorre G. *Int J Tryptophan Res*. 2017 May 30. Impact Factor 1.546

- Probiotics Differently Affect Gut-Associated Lymphoid Tissue Indolamine-2,3-Dioxygenase mRNA and Cerebrospinal Fluid Neopterin Levels in Antiretroviral-Treated HIV-1 Infected Patients: A Pilot Study. Scagnolari C, Corano Scheri G, Selvaggi C, Schietroma I, Najafi Fard S, Mastrangelo A, Giustini N, Serafino S, **Pinacchio C**, Pavone P, Fanello G, Ceccarelli G, Vullo V, d'Ettorre G. *Int J Mol Sci*. 2016 Sep 27;17(10). Impact Factor 3.226

#### Abstract and Posters

- Pinacchio C\*, Scheri Corano G, Cavallari EN, Santinelli L, Giuseppe P, Innocenti GP, Statzu M, Scagnolari C, d'Ettorre G, Vullo V. "Toll like receptors, type I/III interferon and retroviral restriction factors in HIV-1 infected patients: expression in gut mucosa and in peripheral blood mononuclear cells and their modification upon probiotics supplementation" Italian Conference on AIDS and Retroviruses (ICAR), Siena, Italy, 2017 (Oral Communication)

-Zanoni M\*, Palesch D, Pinacchio C, Kulpa DA, Silvestri G "TCR-Activated CD8+ T cells Reduce HIV Production by Autologous Infected CD4+ T Cells and Facilitate Transition to Latent Infection" Conference on Retroviruses and Opportunistic Infections (CROI), Seattle, WA, 2019 (Poster)

-Pinacchio C\*, Laghi L, Rossi G, Cavallari EN, Santinelli L, Giuseppe P, Innocenti GP, Vassalini P, Ceccarelli G, Scagnolari C, d'Ettorre G, Vullo V. "Modulation of gut microbiota improves mucosal permeability in HIV+ patients" Conference on Retroviruses and Opportunistic Infections (CROI), Seattle, WA, 2019 (Poster)

#### Conferences

- 7th BeMM Symposium Biology and Molecular Medicine PhD Schools, University "sapienza", Rome,

Italy, November 18 2016

-3rd Annual Conference on the Selected Hot Topics of CROI Bologna, Royal Hotel Carlton, March 1-2, 2017

- 9th edition of the ICAR Conference, Siena June 12-14, 2017.

-Conference on Retroviruses and Opportunistic Infections (CROI), Seattle, WA, March 4-7 2019

#### Book Chapters

Ceccarelli G, Ascoli Bartoli T, Corano Scheri G, De Girolamo G, **Pinacchio C**, Cavallari EN, Vullo A, Scagnolari C, d'Ettore G Probiotics in HIV infection. 2018pp. 186-193. In: Trends in Probiotic Applications. Hary Razafindralambo. Studium Press LLC, USA

**Roma, 28/02/2020**

Autorizzo il trattamento dei miei dati personali ai sensi e per gli effetti del "Regolamento Generale sulla Protezione dei Dati" (GDPR) n. 2016/679 UE e per la parte applicabile al Codice Privacy D. Lgs. n. 196 del 30 giugno 2003.

**"Ai fini della pubblicazione in ottemperanza del D.Lgs. 33/2013"**