

## CV Lucia Nencioni

### Academic titles

- 2018 National Scientific Qualification for the role of Full Professor in Microbiology (SSD MED 07)
- 2015 Associate Professor of Microbiology, Sapienza University of Rome
- 2006 Assistant Professor of Microbiology, Sapienza University of Rome
- 2003 Contract Researcher (SSD MED/07), Sapienza University of Rome
- 2002 Contract Researcher (SSD MED/07), University of Rome Tor Vergata
- 2002 PhD in Neuroscience, University of Rome Tor Vergata
- 1993 Degree in Biological Sciences, University of Florence

### Professional experience

- 2017 Visiting Professor at Department of Biology, Queens College City University of New York, NY, USA.
- 1997 Fellowship in the project “Study of signal transduction of nerve growth factor in memory B lymphocytes. CNR, Institute of Experimental Medicine, Rome
- 1995 Fellowship in the project “Purification of an autocrine growth factor in myeloma cells”, Department of Clinical Physiopathology, University of Florence
- 1993 *Post lauream* stage in the project “Study of modulation of macrophage colony stimulating factor receptor after cytokine treatment”, Institute of General Pathology, University of Florence

### Main research aims

- Study of the molecular mechanisms involved in regulation of viral replication and host cell response (death/survival; inflammatory and immune response);
- Study of relationship between intra/extracellular redox state and viral infection and evaluation of antiviral effect of compounds with antioxidant activity *in vitro* and *in vivo* models.
- Study of new antiviral strategies aimed at inhibiting host cell functions, rather than viral structure, that are essential for replication of different viruses. Identification and characterization of new synthesized or natural antiviral compounds.
- Evaluation of antiviral activity of new synthesized or natural molecules *in vitro* and *in vivo* models.
- Study of cooperation between different pathogens (bacteria and viruses) in the pathogenesis of acute and chronic diseases.

### Awarded research grants

- Fondazione Cenci-Bolognetti (2019), project title “Role of Glucose-6-phosphate dehydrogenase (G6PD) in regulating influenza virus replication and host response to infection”, Responsabile della ricerca. Principal Investigator (PI)
- Progetto PRIN 2017 (MIUR), project title “ORIGINALE CHEMIAE in Antiviral Strategy - Origin and Modernization of Multi-Component Chemistry as a Source of Innovative Broad Spectrum Antiviral Strategy”, 3 anni. PI Research Unit Sapienza
- Ateneo 2020 (Sapienza University of Rome) (3 years), project title “The role of redox state in modulating ACE2 expression: a cell targeting based-approach for the treatment of SARS-CoV2 pathogenesis and inflammation”, PI
- Ateneo 2018 (Sapienza University), project title “Hop and echinacea extracts as antiviral agents to prevent influenza virus infection”, PI

- Ateneo 2017 (Sapienza University), project title “Antiviral activity of frog-skin antimicrobial peptides on DNA and RNA enveloped viruses”, PI
- Ateneo 2015 (Sapienza University), project title “Evaluation of antiviral activity of frog-skin antimicrobial peptides and derivatives”, PI
- ISS-USA 2012 (Istituto Superiore di Sanità), project title “Discovery of influenza A virus non-structural protein 1 (NS1) inhibitors”, PI
- PRIN 2010-2011 (MIUR), project title “Tecnologie OMICS e Systems Biology per la definizione di nuove strategie finalizzate al controllo delle infezioni virali”, PI Research Unit Sapienza

### **Other activities**

- Member of the Italian Society of Microbiology
- Member of the Italian Society of Pharmaceutical Microbiology
- Member of the Editorial board of Journal of Antibiotics
- Member of the Editorial board of Frontiers in Microbiology - Virology
- Member of the Editorial board of Journal of Antiviral and Antiretroviral
- Member of the Editorial board of Austin Virology and Retrovirology
- Reviewer for several International Scientific Journals (e.g. Antioxidants and Redox Signaling, Antiviral Research, FASEB J, British Journal of Pharmacology, International Journal of Antimicrobial Agents, Journal of Cellular Physiology).
- Reviewer for Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca (ANVUR)
- Reviewer for Ministry of University and Research (MIUR)

### **Teaching**

- Virology, Master’s degree in Medicine, Sant’Andrea Hospital, Sapienza University of Rome
- Microbiology, Master’s degree in CTF, Sapienza University of Rome
- Pharmaceutical Microbiology, Master’s degree in CTF, Sapienza University of Rome
- Microbiology and Microbiology of Food, Degree course in Dietetics, San Camillo Hospital, Sapienza University of Rome
- Microbiology, Degree course in Obstetrics, Umberto I° Hospital, Sapienza University of Rome
- Member of the Teachers’ board, PhD in Life Sciences, Sapienza University of Rome