

CURRICULUM VITAE

Roberta Nardacci

PERSONAL INFORMATIONS:

Roberta Nardacci
Citizenship: Italian

Associate Professor of Applied Biology
Departmental Faculty of Medicine
Saint Camillus International University of Health and Medical Sciences,
Via di Sant'Alessandro, 8 - 00131 Rome, Italy
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EDUCATION AND TRAINING:

- 1994 Degree summa cum laude in Biological Sciences. University of Rome "La Sapienza".
- 1996 National Licensure for practicing biology. University of Rome "La Sapienza", Italy
- 1998 Ph.D. in Medical Embriology. University of Rome "Tor Vergata", Italy
- 2014 National Scientific Qualification (ASN) as Associated Professor (05/F1 – Biologia Applicata)
- 2017 National Scientific Qualification (ASN) as Associated Professor (05/B2 - Anatomia Comparata e Citologia)

INTERNATIONAL FIELD EXPERIENCE:

- 1995 Visiting Researcher at the Department of Anatomy, Embryology and Histology, University of Gent. Gent, Belgium.

CURRENT POSITION:

2021- present Associate Professor of Applied Biology (BIO-13), Departmental Faculty of Medicine, Saint Camillus International University of Health and Medical Sciences Via di Sant'Alessandro, 8 - 00131 Rome, Italy

PREVIOUS POSITIONS:

1998

Research collaborator. Centro Studi Malattie del Fegato Ospedale S.Giacomo Rome, Italy

1998

Research Technician Dept. of Biology, University "Roma Tre", Rome, Italy

1999-2001

Research Fellow, National Institute for Infectious Diseases IRCCS "L. Spallanzani" Rome, Italy

2001-2021

Senior Scientist National Institute for Infectious Diseases IRCCS "L. Spallanzani" Rome, Italy

ISTITUTIONAL RESPONSABILITIES:

2023-present

Member of the University Quality Committee "Saint Camillus International University of Health Sciences", Roma.

2021-present

Representative in the CRUL Didactic Commission "Saint Camillus International University of Health Sciences", Roma.

2021-present

Delegate to Quality "Saint Camillus International University of Health Sciences", Roma.

2019-2020

Professore Straordinario "Saint Camillus International University of Health Sciences", Roma.

2019

President of the Didactic Commission BSc Radiology, Diagnostic Imaging and Radiotherapy Techniques "Saint Camillus International University of Health Sciences", Roma.

AWARDS AND HONORS:

2021

Prof. Roberta Nardacci has been listed as "one of the Top Italian Scientists".

2014

The publication titled: "Autophagy plays an important role in the containment of HIV-1 in nonprogressor-infected patients" (Nardacci R. et al. *Autophagy*. 2014 Jul; 10 (7): 1167-78) was selected as a "Key Scientific Article" by Global Medical Discovery, for contributing to the excellence of research in the biomedical field.

TEACHING ACTIVITIES:

2019-present She has been teaching “Applied Biology” at Saint Camillus International University of Health Sciences, Rome, Italy.

SCIENTIFIC INTERESTS:

The main scientific research lines that Prof. Nardacci deals with concern the characterization of molecular mechanisms involved in the control of differentiation, cell metabolism and cell death. Studies are focused on understanding the cell death and autophagy mechanisms in different contexts:

- 1) Regulation and characterization of autophagy as a possible mechanism of cell survival and innate immunity in response to pathogens. Characterization of the protein AMBRA1 role in regulating the autophagy pathway.

- 2) Characterization of the mechanisms involved in the early stages of HIV-1 infection and characterization of the apoptotic cell death induced by the virus infection.

- 3) Role of Transglutaminase type 2 in apoptotic cell death, autophagy and innate immunity both in physiological conditions and in the pathogenesis of diseases such as viral and bacterial infections and neurodegenerative diseases.

In addition, Prof. Nardacci manages projects dedicated to studying the impact on the host cell of various pathogens.

Parallel to these studies, Prof. Nardacci carries out experimental activities in collaboration with collaborators, at national and international level:

- Prof. Guido Kroemer of the Gustave Roussy Institute in Paris and Dr. Jean-Luc Perfettini INSERM, Gustave Roussy Cancer Campus, Villejuif, France. The twenty-year collaboration with the group of French researchers has led to the characterization of the molecular mechanisms involved in the pathogenesis generated by the HIV-1 virus.

GRANTS:

- Project PRIN 2022 (Settore LS6). Roberta Nardacci is the **Principal Investigator** of the project. Project title: "Autophagy mechanisms regulating virus-induced pathogenesis: from virus containment to immune response modulation".
- Project: Ricerca sanitaria finalizzata finanziata dal Ministero della Salute per l'anno 2001 n° 103 dal titolo "Meccanismi e marcatori di fibrogenesi nell'epatite cronica da HCV".
- Project: Ricerca Corrente 2006 "Identificazione e caratterizzazione funzionale di geni cellulari coinvolti nella morte cellulare per apoptosi nell'infezione da HIV".
- Project: Ricerca Corrente 2009 "Modelli di patogenesi e di danno cellulare associati ad HIV".
- Project: RF-IMI-2009-1303225 "Molecular dissection of autophagy and cell death pathways in HIV infection".
- Project: Ricerca Corrente 2009 Linea 2, Progetto 7 "Modelli di patogenesi e di danno cellulare associati ad HIV".
- Project: Ricerca Corrente 2013-2015 Linea di ricerca n. 2 Progetto 2. " Modelli di patogenesi cellulare".
- Project: Ricerca Corrente 2016-2019 Linea di ricerca n. 2 Progetto 1 "Meccanismi di morte

cellulare e di regolazione autofagica”.

- Project: Ricerca Corrente 2020-2022 Linea di ricerca n. 2, Sotto-progetto 1b “Analisi dei meccanismi di morte e sopravvivenza cellulare nell’infezione da HIV”.

PUBLICATIONS:

The scientific activity of Prof. Roberta Nardacci is documented by **78** publications (**8.540** Citations, **34** H-index) in collaboration with Italian and foreign scientists of complementary expertise.

EDITORIAL ACTIVITY:

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2021 – present Editorial Board Member for the Journal “Cells”.

2000 - present She is an ad hoc reviewer for numerous international journals.