

PERSONAL INFORMATION

Giovanna Romeo

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PERSONAL SKILLS

Organisational / managerial skills

Associate Professor General Pathology MED/04

Dept of Medico-Surgical Sciences and Biotechnology

Sapienza University of Rome

Job-related skills

Education/Training

- 1973-1978 Degree in Chemistry with 110/110, School of Sciences, University of Naples, Italy,
- 1975-1978 Internal Student, Institute of Biochemistry, School of Medicine and Surgery, University of Naples, Italy

Field of Study

Protein Biochemistry-Enzymology

Post-doctoral training

- 1978/1981 Internal graduate University of Naples, Institute of Biochemistry, School of Medicine

Field of Study

Protein Biochemistry-Enzymology

- 1981/1982 Fellowship Istituto Superiore di Sanità, Rome, Laboratory of Virology

Field of Study

Biochemistry of Interferon system

- 1982/1990 Fellowship Consiglio Nazionale delle Ricerche, Rome

Field of Study

Signal transduction in Interferon antiviral and antigrowth activities

Employment and Experience

-Present position: From 4/6/2010 up to date, Associate Professor MED-04 General Pathology – Department of Medico-Surgical Sciences and Biotechnologies, School of Pharmacy and Medicine, Sapienza University of Rome; from 1/1/2005 to 3/6/2010 Associate Professor MED-04 General Pathology - Department of Experimental Medicine - School of Medicine and Surgery, Sapienza University of Rome, Italy

Currently, she is the Head of the Laboratory of Immunology at the Department of Medico-Surgical Sciences and Biotechnologies, Sapienza University of Rome.

-Past position: Technologist of Consiglio Nazionale delle Ricerche, Institute of Biomedical Technologies, Rome – from September 1990 to February 2003 and Institute of Molecular Biology and Pathology, Rome – from February 2003 to december 2004

-From 1981 to 2003: Guest Scientist of Laboratory of Virology, Istituto Superiore di Sanità. From 2003 to date: Guest Scientist of Department of Infectious, Parasitic and Immuno-mediate Diseases, Istituto Superiore di Sanità, Rome, Italy.

-From 1/1/2005 to date: Associate to the Institute of Molecular Biology and Pathology, Consiglio Nazionale delle Ricerche, Rome

Teaching activities

- Biochemistry, School of Biotechnology of University "La Sapienza" Rome, a.a. from 1997/1998 to 2004/2005

- Immunology, School of Medicine and Surgery (now School of Pharmacy and Medicine)- Degree in Medicine and Surgery, Sapienza University of Rome, a.a. 2004-2005 to date

- General Pathology, School of Nurse, Technics of Biomedical Laboratory, Dental Hygiene, CLM Nursing and Midwifery Sciences, Sapienza University of Rome, a.a. 2002-03 to date

-President of CLM Nursing and Midwifery Sciences, a.a 2011-12 to date

-Coordinator of PhD School "New Technologies in Translational Medicine" a.a. 2011-12/2013-14 (cycle XXVII)

Representative and Scientific Board member of Curriculum in Innovative Technologies in Translational

Medicine of PhD in Experimental Medicine

Professional Societies:

International Society for Interferon and Cytokine Research
European Society of Virology
Italian Society of Immunology and Allergology
Italian Society of Virology

-Major research interests and expertise:

Past experience: Friend erythroleukemia cells and Friend virus; effects of Interferons on erythroid differentiation and retrovirus production. Interferon effects on virus replication, cell growth, differentiation and apoptosis in established cell lines. JAK/STAT signal transduction pathway; Present interests: Human Papilloma Virus (HPV)-induced tumorigenesis. Antitumor effects of type I Interferons (IFN), IFN-induced genes, cell cycle progression, apoptosis and senescence studies. MicroRNA profiling and analysis. Inflammation and tumor microenvironment. Inflammatory immune-mediated diseases. Extracellular Vesicles
Immune response to SarS-CoV-2 infection

-Current international main collaboration: Dr Massimo Tommasino – Head of Infections and Cancer Biology Group, IARC, Lyon, France

Reviewer activity:

-Reviewer for different International scientific journals (JSM Biotechnology, Nature Scientific Reports etc.)
-Reviewer for grant applications from different National and International Organisations
-Editorial Board member of Current Medicinal Chemistry, Bentham Science Publishers Ltd
-Editorial Board member of World Journal of Translational Medicine, Baishideng Publishing Group Co.
-Editorial Board Member of JSM Biology, J SciMed Central, USA
-Associate Editor of Frontiers in Immunology, Switzerland

Congress organizer committees:

-1989 Executive Committee Annual Meeting of the International Society for Interferon Research" (Firenze, 22-27 October 1989).
-1996 Scientific Committee "Perspectives in Interferon and Cytokine Research" Meeting. Rome 20-21 February 1996.
-2005 Scientific Committee Workshop "INFEZIONE DA HPV: DALLADIAGNOSI PRECOCE ALLA PREVENZIONE PRIMARIA" 9-10 November 2005, ISTITUTO SUPERIORE DI SANITA', ROME
-2014 Scientific Committee International Meeting "Interferon Fundamentals 2014" 20 February 2014, Rome
-2016 Scientific Committee "Incontro Romano HPV, Poliomavirus" 21 April 2016, Rome
-2018 Scientific Committee "Incontro Romano HPV, Poliomavirus" November 2018, Rome

GRANTS

-PRINCIPAL INVESTIGATOR

-RU "Meccanismi molecolari della trasduzione del segnale nello studio del sinergismo fra Interferon di tipo I e II", Progetto Finalizzato: Applicazioni cliniche della ricerca oncologica: Meccanismi molecolari di crescita (1992-1996 /48 months) CNR.
-RU "Regolazione trascrizionale del ciclo cellulare: ruolo di Rb e PML" - CNR-Agenzia 2000 (24 months).
-RU Progetto di ricerca finalizzata 2002-03 Ministero della Salute: "Strategie di immunoterapia contro genotipi di HPV oncogeni e non oncogeni" (24 months).

-**NATIONAL COORDINATOR PRIN 2005** "Development of new therapeutic strategies against human herpesvirus and papilloma virus infections and their diseases" (24 months)

-**NATIONAL COORDINATOR PRIN 2008** "Studies on the molecular mechanisms of Human Papilloma Viruses infection and associated diseases to develop novel therapeutic strategies" (24 months)

RU "Grandi Ricerche" Sapienza Research project "Role of epigenetic mechanisms in psoriatic lesions. Relevance in anti-IL-17 biological therapy." a.a.2015

Principal Investigator Sapienza Project "New pathogenetic inflammatory mechanisms in psoriasis. Relevance in anti-IL-17 biological therapy" a.a.2017.

-Research Project Sapienza "Ateneo Federato", "Ricerche Universitarie", "Grandi Apparecchiature" and Ateneo a.a. 2005-2022

Principal Investigator of National Project MIUR-FISVR 2020 : Immune Response

to SARS-CoV-2 2021

-Participant in various AIRC, AIDS and MIUR projects from 1981 to date.

PUBLICATIONS

Bibliographical data at 06/2024 (Scopus/Web of Science)

Author of **120** peer-reviewed publications.

H index=**27**

Citations= **1831**

THEMATIC AREA KEYWORDS

HEALTH :

Immune response

Oncogenic viruses

Interferons,

Inflammatory cancer microenvironment

microRNA

Extracellular Vesicles