

PERSONAL INFORMATION

Francesca Rovida

**Affiliations**

University of Pavia

Department of Clinical, Surgical, Diagnostic and Pediatric Sciences, 27100 Pavia, Italy

Fondazione IRCCS Policlinico San Matteo

Microbiology and Virology Dpt, 27100 Pavia, Italy



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Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input checked="" type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

From 01/09/2021-present

Researcher (RTDA) Microbiology and Clinical Microbiology MED07

University of Pavia

Department of Clinical, Surgical, Diagnostic and Pediatric Sciences

Main research activity is based on development and validation of molecular tools for diagnosis and monitoring of viral infections and in the pathogenesis of respiratory and emerging virus infections. Coordination of the activities of the UOC Microbiology and Virology of the Fondazione IRCCS Policlinico San Matteo of Pavia as Regional Reference Laboratory for the diagnosis of: respiratory viruses, emerging viruses, measles and rubella.

Coordination of the activities of the UOC Microbiology and Virology of the Fondazione IRCCS Policlinico San Matteo of Pavia as Regional reference Laboratory for the diagnosis of SARS CoV2 in Lombardy Region.

From 16/12/19 to 30/08/2021

Research scientist

Fondazione IRCCS Policlinico San Matteo

Microbiology and Virology Dpt

Main research activity was based on development and validation of molecular tools for diagnosis and monitoring of viral infections and in the pathogenesis of respiratory and emerging virus infections. Study of molecular epidemiology of emerging mosquitoes-borne Flaviviruses, with a particular focus on Zika virus infections.

Coordination of the activities of the UOC Microbiology and Virology of the Fondazione IRCCS Policlinico San Matteo of Pavia as Regional reference Laboratory for the diagnosis of SARS CoV2 in Lombardy Region.

From 01/01/06 to 15/12/2019 Post-doc scientist

Fondazione IRCCS Policlinico San Matteo
Microbiology and Virology Dpt

Main research activity was based on the study of molecular epidemiology of respiratory viruses (Influenzaviruses, Coronaviruses, Picomaviruses, Paramixoviruses) and emerging viruses (West Nile virus, Dengue virus, Chykungunya virus, Hantavirus). Development of molecular assays for diagnosis and monitoring of the main respiratory and emerging viruses.

From 01/08/2001 to 31/12/2005 Training scientist

Fondazione IRCCS Policlinico San Matteo
Microbiology and Virology Dpt

Main research activity was based on the development of new molecular assays for the diagnosis of respiratory viruses to evaluate the viral load in different biological specimens from upper and lower respiratory tract in immunocompetent and immunocompromised pediatric and adult patients.

EDUCATION AND TRAINING

- 2005 Specialization in Microbiology and Virology, University of Milano, Italy
- 2000 Degree in Biological Sciences, University of Pavia, Pavia, Italy
- 1993 High School Diploma, Liceo Scientifico Nicolò Copernico, Pavia, Italy

WORK ACTIVITIES

Member, European Society for Clinical Virology, ESCV
Member, Associazione Microbiologi Clinici Italiani, AMCLI
Member of the working group "diagnosi dei virus emergenti", Associazione Microbiologi Clinici Italiani, AMCLI
Member of the working group "Microbiologia di frontiera", Associazione Microbiologi Clinici Italiani, AMCLI

Collaboration in the Istituto Superiore di Sanità Surveillance Networks: InFluNet, MoRoNet, COVIDNet

Grants Research project "Valutazione epidemiologica della sieroprevalenza (anticorpi SARS-COV-2) nei dipendenti della Fondazione IRCCS Policlinico San Matteo di Pavia, seconda fase pandemica". Fondazione IRCCS Policlinico San Matteo, Pavia. (15/12/20-31/12/21) Role: collaboration in the research project.

Progetto di Ricerca Finalizzata "Exploiting immunopathogenic mechanisms for establishing predictive markers, diagnostics tools and medical countermeasures in COVID-19". Istituto per le Malattie Infettive Lazzaro Spallanzani, Roma. (01/11/20-31/10/21) Role: Unit key personnel.

Progetto di Ricerca Finalizzata "Identification and characterization of human broadly neutralizing antibodies against human coronavirus and human parainfluenza viruses". Fondazione IRCCS Policlinico San Matteo, Pavia. (01/09/2016-31/12/20) Role: collaboration in the research project.

Progetto di Ricerca Corrente "Surveillance and molecular epidemiology of the emerging viruses infections" (814-rcr2015-34). Fondazione IRCCS Policlinico San Matteo, Pavia. (01/01/2015-01/01/2023) Role: collaboration in the research project.

Progetto di Ricerca Corrente "Monitoring of viral infections in patients with severe respiratory syndromes" (801-rcr2014-bis-34). Fondazione IRCCS Policlinico San Matteo Pavia. (01/07/2014-01/07/2019) Role: collaboration in the research project.

Scientific Research in Biomedicine 2011- Fondazione Cariplo dal titolo "Molecular basis of severe influenza A virus respiratory syndromes (pandemic and seasonal): study of viral evolution and identification of prognostic genetic markers". (01/01/2012-31/03/2016) Role: collaboration in the research project.

Progetto di Ricerca Corrente "Respiratory infections caused by emerging and re-emerging viruses" (516-rcr2008-43). Fondazione IRCCS Policlinico San Matteo Pavia. (01/01/2008-01/01/2015) Role: collaboration in the research project.

Progetto di Ricerca Corrente "Clinical and virologic study on the circulation of respiratory viruses in the pediatric population" (340-rcr2003b-7). Fondazione IRCCS Policlinico San Matteo Pavia. (01/01/2004-01/01/2012) Role: collaboration in the research project.

PERSONAL SKILLS

Mother tongue(s)	Italian
Other language(s)	English fluent Spanish fluent
Digital skills	Word, ppt, excel, Zoom and other communication platforms

ADDITIONAL INFORMATION

**Statement of
Research
Interests**

My main research interest from the beginning of my activity was based on development and validation of new molecular assays for diagnosis and monitoring of viral infections and in the pathogenesis of respiratory and emerging virus infections. In particular, my research was based on evaluation of the clinical impact of respiratory viruses (Influenzaviruses, Coronaviruses, Picomaviruses, Paramixoviruses) and emerging virus (West Nile virus, Dengue virus, Zika virus, Chykungunya virus, Hantavirus) infections in humans. One of the main interest of my research was the study of the different impact of viral respiratory infections in pediatric and adult patients and the evaluation of the factors influencing the severity level of viral infections.

total number of publications in peer-review journals: 94

total number of citation: 3640

H index (Scopus): 31

22/11/2023

Francesca Rovida