

PERSONAL INFORMATION

Luigina Romani

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Researcher unique identifiers
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Web of Science ResearcherID O-9987-2018
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WORK EXPERIENCE

- 2011- Present **Professor of Pathology**
University of Perugia, Medical School (Perugia, Italy)
Teaching activity. Research activity as PI of scientific projects and leader of multidisciplinary and multiethnic research groups.
Academy
- 2002- Present **Medical Assistant**
Azienda Ospedaliera di Perugia, Struttura Complessa di Microbiologia (Perugia, Italy)
Responsible of diagnostics of nosocomial fungal infections in high-risk patients.
- 2001- 2011 **Professor of Microbiology**
University of Perugia, Medical School (Perugia, Italy)
Teaching activity. Research activity as PI of scientific projects and leader of multidisciplinary and multi-ethnic research group.
Academy
- 1992-2001 **Associate Professor of Microbiology**
University of Perugia, Medical School (Perugia, Italy)
Teaching activity. Research activity as PI of scientific projects and leader of a research group in preclinical immuno-microbiology.
Academy
- 1980-1992 **Senior Investigator**
University of Perugia, Department of Experimental Medicine and Biochemical Sciences (Perugia, Italy)
Research activity on preclinical models of infections.
Academy
- 1976 **Visiting Scientist**
National Institutes of Health (Bethesda, MD, USA)
Research activity on basic immunology.
Academy
- 1976-1980 **Assistant Professor of Pharmacology**
University of Perugia (Perugia, Italy)
Research activity on transplant immunology.
Academy

EDUCATION AND TRAINING

- 1983-1985 **Recipient of a Fogarty Research Fellowship**
Biochemistry Section, National Cancer Institute, National Institutes of Health (Bethesda, MD, USA)
Research activity on basic immunology encompassing murine cell isolation and purification; hybridoma formation, tumor xenogenization and cytokine assays.
- 1982 **Master's Degree with honours**
University of Perugia, Medical School (Perugia, Italy)
- 1975 **Master's Degree with honours in Biological Sciences**
University of Perugia (Perugia, Italy)

ADDITIONAL INFORMATION

Publications	Published more than 400 publications The list of publications are available at the following link: http://orcid.org/0000-0002-1356-525X																		
Presentations / Conference / Seminars	Participated as invited speaker to over 300 international Meetings, Conference and Seminars																		
Projects	Involved as Principal Investigators in several projects: <ul style="list-style-type: none"> - 23 grants obtained from the Italian Government - 11 collaborative projects with Pharmaceutical Companies - 10 collaborative projects with Italian Foundations - 7 European grants, as work package leader in EURAPS, MANASP, SYBARIS and HDM-FUN, as Coordinator, in ALLFUN, as PI in the ERC Ad "FUNMETA" and the ERC-2018-PoC "MicroTher". 																		
Honours and awards	<p>2001 Recognized as "Fellow" of the American Academy of Microbiology</p> <p>2003 Honorary Professor of the Old Herborn University</p> <p>2007 Award from the Chronic Granulomatous Disorder Research Trust</p> <p>2010 Recognized Member of the New York Academy of Sciences</p> <p>2011 Winner of the 2011 "Jon van Rood Award" for the best Transplantation Immunology/Immunogenetics paper published in 2010</p> <p>2012 Winner of the Abraham White Scientific, Humanitarian, and Public Service Award, Washington DC, USA</p> <p>2014 Winner of the "Agostino Bassi 2014" Award, FIMUA- Federazione Italiana Micopatologia Umana e Animale</p> <p>2015 Winner of the "Lucille George" Award, International Society for Human and Animal Mycology, Melbourne, Australia.</p> <p>2016 Recognized Top Italian Women Scientist 2016, Milano May 25, 2016</p> <p>2016 Ranking 41 out of 91 in the Top Italian Scientists of Via-academy 2016</p> <p>2017 Nominated by the European Research Council to become member of AcademiaNet http://www.academia-net.org/profil/prof-luìgina-romani/1154581</p> <p>2022 Among the 1000 recognized world scientist, ranking 15 in Italy.</p>																		
Memberships	<ul style="list-style-type: none"> - Member of American Society for Microbiology, American Association of Immunology, International Society for Human and Animal Mycology, Italian Society of Microbiology - Committee Member "Program for Young Researchers Rita Levi Montalcini" Ministero dell'Istruzione, dell'Università e della Ricerca (Rome, Italy 2012) - Advisor Board of PTX3 and Invasive Aspergillosis (2014) - Expert of the Executive Agency - European Research Council Executive Agency for proposal evaluation (from 2014 up to now) - Editorial Board Member for Scientific Reports of Nature (2013), Pathogens & Immunity (2015), Cellular and Molecular Immunology (2017-2021), Infection and Immunity (2021-2023), Host and Microbe (2022). 																		
Citations	<table border="0" style="width: 100%;"> <tr> <td style="padding-right: 20px;">Google Scholar</td> <td>Total citations</td> <td>50536</td> </tr> <tr> <td></td> <td>Indice-H</td> <td>106</td> </tr> <tr> <td>Scopus</td> <td>Total citations</td> <td>27667</td> </tr> <tr> <td></td> <td>Indice-H</td> <td>88</td> </tr> <tr> <td>Web of Science</td> <td>Total citations</td> <td>27252</td> </tr> <tr> <td>Publons</td> <td>Indice-H</td> <td>85</td> </tr> </table>	Google Scholar	Total citations	50536		Indice-H	106	Scopus	Total citations	27667		Indice-H	88	Web of Science	Total citations	27252	Publons	Indice-H	85
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Scientific profile	Luìgina Romani is internationally recognized in the area of antifungal immunity — a field in which her major interest is on the comprehension of innate mechanisms of antifungal immunity that lead to the activation of protective and non-protective adaptive immunity. She has been recognized "Fellow" of the American Academy of Microbiology and elected to the American National Academy of Sciences. She pioneered studies on the role of T cells first (early 80') and then of the different Th cell subsets (early 90') in experimental fungal infections. She introduced several novel scientific and translatable concepts which have become popular in the field of medical microbiology. Examples are the concept of protective tolerance, the basis of immunotherapy, the use of dendritic cells to develop fungal vaccine, the pathogenetic role of inflammation in infection, the discovery of tryptophan metabolites as potential antifungal strategies and, more recently, the use of functional genomics and functional metagenomics to predict individual risk of nosocomial infections in high-risk patients.																		
Medical profile	As responsible of diagnostics of nosocomial fungal infections in high-risk patients at the Struttura Complessa di Microbiologia - Hospital of Perugia, Luìgina Romani has been involved in: 1. Epidemiology and diagnosis of nosocomial fungal infections; 2. Rapid detection of low-growing microorganisms by MALDI-TOF MS, an accurate and cost-effective method for the identification of microorganism (bacteria, fungi and viruses). 3. Analysis of genetic polymorphisms of immune response genes and risk of nosocomial infections in hematologic patients; 4. Evaluation of antimicrobial resistance by standard antibiograms and DNA microarray technology; 5. NSG analysis of lung microbiome in preclinical and clinical samples from high-risk patients for biomarkers discovery, preventive and personalized therapy patients undergoing allogeneic bone marrow transplantation (Project SNIF—within the EU project AdERC "FUNMETA"—a multicenter Italian Study involving Transplant Units from North to South of Italy); 6. Development of a pipeline of predictive human biomarkers predictive of nosocomial infection.																		