

## PERSONAL INFORMATION

### Antonella Agodi



**Affiliation:**  
University of Catania  
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**Sex:** Female | **Date of birth:** | **Nationality:** Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<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 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

October 2016 – at present

### Full professor of Hygiene and Public Health (SSD MED/42)

University of Catania, Department of Medical and Surgical Sciences and Advanced Technologies "G.F. Ingrassia", Catania, Italy

Main activities: Teaching activities in Hygiene and Public Health, Epidemiology and Statistics for different courses at the University of Catania, Italy. The scientific activity focused on different topics with the general approach integrating the epidemiological management of data with high-throughput tools of genomics and molecular research in the framework of translational research, Public Health Informatics and Precision Medicine and Nutrition.

November 2018 – at present

### Director of the Department of Medical and Surgical Sciences and Advanced Technologies "GF Ingrassia"

University of Catania, Department of Medical and Surgical Sciences and Advanced Technologies "GF Ingrassia", Catania, Italy

January 2021 – at present

### Responsible for the programme: "Hospital Epidemiology and Translational Research: epidemiological surveillance, risk assessment and control"

Azienda Ospedaliero Universitaria Policlinico "G. Rodolico - San Marco", Catania, Italy.

## EDUCATION AND TRAINING

1985-1988

### Ph.D.in Neurobiology

University of Catania, Italy

Thesis in "Effect of low-dose lead acetate exposure on the metabolism of nucleic acids and lipids in cerebellum and hippocampus of rat during postnatal development"

1981-1985

### Postgraduated School of Specialization in General Pathology

University of Catania, Italy

Specialization in General Pathology "cum laude"

Thesis: "Effetto dell'intossicazione cronica con acetato di piombo su alcuni parametri biochimici del cervelletto e dell'ippocampo di ratto durante lo sviluppo postnatale"

1977-1981

### Master of Sciences in Biological Sciences

University of Catania, Italy

Thesis in Hygiene and Public Health "cum laude" entitled 'Studio di plasmidi R in *Shigella*'

## WORK ACTIVITIES

<b>Awards</b>	<p>Awarded by the Lions Club Augusta: Prize on Environmental Health, April 1982.</p> <p>Awarded by the Accademia Gioenia di Catania, Prize for Young Scientists in Applied Biology, January 1985.</p> <p>Awarded by the Presidente della Repubblica: "Cavaliere dell'Ordine al Merito della Repubblica Italiana", December 2019.</p>
<b>Editorial activity</b>	<p>Reviewer activity for several national and international Journals. In the Editorial board of the following journals: "Annali di Igiene, Medicina Preventiva e di Comunità", "Journal of Hospital Infection", "International Journal of Environmental Research and Public Health" - Section Board for 'Women's Health'</p>
<b>Invited presentations</b>	<p>Invited speaker in many National and International Congress and Conferences.</p>
<b>Grants</b>	<ul style="list-style-type: none"> <li>- Research fellowship at the Laboratories of Environmental Mutagenesis and Cancer Prevention, Institute of Hygiene and Preventive Medicine, University of Genova, May 1982.</li> <li>- Grant-supported Fellowship by the Health Department, Sicilian Region, for a research project on the "Epidemiology of infections by multiresistant gram-negatives", at the Institute of Hygiene and Preventive Medicine, University of Catania, June 1987 - June 1989.</li> <li>- Senior-level fellowship by the Commission of the European Communities (CEC) for a research project: "Investigation of occurrence and spread of specific antibiotic resistance genes in "Salmonella" and "Shigella" by the use of non-isotopic DNA probes" at the Division of Enteric Pathogens (DEP), and at the - National Collection of Type Cultures (NCTC) del Central Public Health Laboratory Service, (CPHL), London, July 1988 - July 1989.</li> <li>- Granted by the Fulbright-Hays Act, Academic year 1991-1992, for research at the Boston University, Boston, Massachusetts, United States, December 1991.</li> <li>- Granted by the Consiglio Nazionale delle Ricerche, CNR for research at the Section of Molecular Genetics and Epidemiology, Maxwell Finland Laboratory for Infectious Diseases, Boston University, April 1992.</li> </ul>

## PERSONAL SKILLS

Mother tongue	Italian
Other language	English - Proficiency Level: C1 Advanced
Job-related skills	<ul style="list-style-type: none"> <li>• Member of the Italian Society of Hygiene, Preventive Medicine and Public Health (SItI). Member of the 'European Public Health Association' (EUPHA);</li> <li>• 2017 - 2021 national coordinator of the Italian Study Group of Hospital Hygiene (GISIO) of the SItI.</li> <li>• Founding member of the Research Centre LaPOSS, Laboratory for Planning and Analysis of Public Policies and Services for People (<a href="http://www.lpss.unict.it">www.lpss.unict.it</a>) University of Catania, April 2004;</li> <li>• Member of the ILHM Center - Innovation Leadership and Health Management Center Innovation in Medical Care, University of Catania.</li> <li>• Since 2005 in the roster of scientists, European Centre for Disease Prevention and Control (ECDC) Scientific Panels.</li> <li>• Since 2010 'ECDC Disease Expert - Epidemiologist', HAICU (Healthcare Associated infections - Intensive Care Units).</li> <li>• Since 2015, ECDC Operational Contact Point for epidemiology.</li> <li>• Since 2015, member of the HAI-Net ICU ECDC Working Group and expert for the HAI-Net Mortality review validity and reproducibility study.</li> <li>• Since 2018, appointed member of the Disease Network Coordination Committee (DNCC) for the Healthcare-associated Infections Surveillance Network (HAI-Net) of the ECDC. Since 2022 appointed for a second mandate.</li> <li>• Since 2016, member of the Working Group for the development of the "National Action Plan to Contrast Antimicrobial Resistance" (PNCAR 2017-2020) and member of the Coordination group of the national antimicrobial-resistance strategy" of the Italian Ministry of Health.</li> <li>• Since 2018, member of the Group for the coordination and management of the PNCAR, Sicilian Region.</li> </ul>

- Since 2020, member of the working group of the Istituto Superiore di Sanità on infection prevention and control in response to the COVID-19 epidemic.
- Since April 2005 she has been responsible for coordinating the SPIN-UTI project (Sorveglianza Prospettica Infezioni Nosocomiali - Unità Terapia Intensiva) of the GISIO, designed to build the Italian network of nosocomial infections surveillance in the intensive care units (ICUs) in the framework of the European HELICS network (*Hospital in Europe Link for Infection Control through Surveillance*) and of the *Healthcare-associated Infections Surveillance Network* (HAI-Net) of the ECDC.
- In 2012 - 2013, appointed as one of the 12 European experts of the ECDC workgroup to develop a consensus document on applicability and acceptability across health care contexts of distinct shortlisted modalities of peri-operative antibiotic prophylaxis (European Centre for Disease Prevention and Control. Systematic review and evidence-based guidance on perioperative antibiotic prophylaxis. Stockholm: ECDC; 2013) in the framework of the project: "Expert assessment of the pan-EU applicability of peri-operative antibiotic prophylaxis modalities", ECDC, 2010, coordinated by the Institute of Hygiene and Environmental Medicine Charité – University Medicine Berlin, German.
- Operative Unit Leader of the funded Projects of the National Centre for Disease Prevention and Control, CCM, Italian Ministry of Health in the framework of National Surveillance of HAIs and to support the implementation of PNCAR (2019-2021; 2018-2019; 2016-2017; 2012-2013; 2010-2012) and to support the activities for the integration of surveillance systems for HAIs and tuberculosis (2013-2016).
- Leader of the funded Projects - PO Piano Sanitario Nazionale, PSN - Sicilian Region, Italy:  
2014-today: Integrated Approach for the surveillance of antibiotic consumptions, resistance profiles and clonality of alert microorganisms at hospital and community levels  
2014-today: Active surveillance of Healthcare-Associated Infections (HAIs).
- Since 2017, Responsible of the "Antibiotic Awareness Campaign in the Sicilian region, Italy" that adopts toolkits from the ECDC - European Antibiotic Awareness Day, EAAD initiative (doi: 10.3390/ijerph17093077).

Digital skills      Excellent knowledges of different software used for the scientific activity for the epidemiological management of data and the development of informative systems (e.g. Windows, Office, SPSS)

Other skills      She is principal investigator of the birth cohort "Mamma&Bambino" (<https://www.birthcohorts.net/birthcohorts/birthcohort/?id=243>) and of the birth cohort "MAMI-MED" (<https://www.birthcohorts.net/birthcohorts/birthcohort/?id=278>). Since 2010, member of the Italian Network for Public Health Genomics, GENISAP Network. She participated in the development of the Guidelines on "Genomics in Public Health". Since 2020, expert for the project "Integrating China in the International Consortium for Personalised Medicine" (IC2PerMed) - Horizon 2020 research and innovation programme under grant agreement No 874694. Since 2021, member of the ELSI - Ethical-Legal-Societal Issues - Translational Biobank working group and of the Population Biobanks and Genetic Isolates working group of the "Biobanche di Popolazione ed Isolati Genetici di Biobanking and Biomolecular Resources Research Infrastructure" (BBMRI).

## ADDITIONAL INFORMATION

## Statement of Research Interests

In the board of the PhD Program in Translational Biomedicine (International), University of Catania. The scientific activity of Antonella Agodi focused on four main topics of interest, listed below, and already produced several scientific publications or identified new areas of research. The general approach adopted for all four topics integrates the epidemiological management of data and the development of informative systems with high-throughput tools of genomics and molecular research. The specific methods of molecular epidemiology, designed to study the two main epidemiological models of diseases, communicable and not-communicable, are respectively targeted to the epidemiological characterization of infection-associated microorganisms or to the identification of exposure, effect and susceptibility biomarkers in humans. As such, her research activity aims at the interpretation of translational research, from the perspective of Hygiene, Preventive Medicine and Public Health, in terms of moving from basic research achievements into further knowledge about disease causes, risk and protective factors, diagnostic/treatment methods, prevention strategies and of their efficacy/effectiveness evaluation. Antonella Agodi's research activity has been focusing the following main topics, each representative of a general model:

1. Epidemiology and control of infections: informative systems and molecular methods for risk management
2. Public health genomics, nutrigenetics and nutrigenomics
3. Environmental and food hygiene: models and tools for risk analysis and management
4. Planning, organizing, testing and evaluating public policies and public health interventions.

Publications 22 Jan. 23  
total number of publications in peer-review journals (Scopus): 248  
total number of citations (Scopus): 4469  
H index (Scopus): 34

***According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV***

Catania, 23 January 2023

Prof. Antonella Agodi

