

Laura trovato, PhD

University of Catania

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Laura Trovato is Associate Professor in Microbiology and Clinical Microbiology (MEDS-03/A), at the Department of Biomedical and Biotechnological Sciences, University of Catania.

She holds a Degree in Biological Sciences (2002), post-graduate specialization degree in Microbiology and Virology (2005) and a PhD in microbiological science (2009) from the same University and since 2005 her research has focused mainly on the advanced mycological diagnostics of invasive and superficial mycoses, *in vitro* activity of antifungal drugs and of resistance mechanisms in clinical and environmental isolates of *Aspergillus* sp., other *Ascomycetes* and *Cryptococcus* sp., and epidemiological and molecular typing studies in the field of invasive fungal infections. Prof.ssa Trovato teaches mycology, parasitology and clinical microbiology in different degree courses at the University of Catania and in the post-graduate specialization school of microbiology and dermatology. She is also professor at the Ph.D in “Basic & Applied Biomedical Sciences”. Since 2021 she has been secretary of the specialization school in Microbiology and Virology. Prof. Trovato carrying out assistance activities as a clinical microbiologist at the U.O.C. Analysis Laboratory of the A.O.U. Policlinico "G.Rodolico - San Marco" Catania. She has been invited as speaker in numerous National Scientific Congresses and in ECM refresher courses dealing with topics related to medical mycology. Since 2018 she has been a member of the study committee for mycology (COSM) of the Association of the Italian Clinical Microbiologists (AMCLI).

### **Short CV**

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### **CURRENT POSITION**

Associate Professor in Microbiology and Clinical Microbiology (MEDS-03/A), Department of Biomedical and Biotechnological Sciences, University of Catania.

### **ACADEMIC QUALIFICATION AND TRAINING:**

- Senior Researcher (fixed-time, RTD-B art.24, c.3-b, L. 240/2010) in Microbiology and Clinical Microbiology (SSD: MED/07), Department of Biomedical and Biotechnological Sciences, University of Catania (2022)
- Researcher (fixed-time, RTD-A art.24, c.3-a, L. 240/2010) in Microbiology and Clinical Microbiology (SSD: MED/07), Department of Biomedical and Biotechnological Sciences, University of Catania (2019-2022)
- Research grant (art. 51, c.6, L. 449/97) in Microbiology and Clinical Microbiology (SSD: MED/07), University of Catania (2011-2016)
- PhD in Microbiological Sciences, University of Catania (2009)
- Post-graduate specialization degree in Microbiology and Virology, University of Catania (2005)
- Degree in Biological Sciences, University of Catania (2002);
- National Scientific Qualification as Associate Professor (art. 16, L. 249/210) in Microbiology and Clinical Microbiology (SSD: MED/07) (2020-2029)
- Secretary of the Specialization School in Microbiology and Virology (2021)

## RESEARCH TOPICS:

Laura Trovato she is an expert of clinical mycology. She has focused his research activities on:

- Development of molecular methods for rapid diagnosis of invasive fungal infections;
- Susceptibility studies to determine the activity of antifungal drugs;
- Study of the mechanisms of resistance responsible for resistance in clinical and environmental isolates of *Aspergillus* sp., *Cryptococcus* and other Ialofomycetes.
- Epidemiological and molecular typing studies in invasive fungal infections;

## PARTICIPATION ABOUT RESEARCH ACTIVITIES:

- Project: “FIMUA *Candida nivariensis* - *C. bracarensis*” - Italian Federation of Human and Animal Mycopathology (FIMUA) (2009-2011)
- Project: “*Aspergillus terreus*” - International Society for Human & Animal Mycology (ISHAM), Coordinator: Cornelia Lass-Flörl (Innsbruck/Austria) (since 1 January 2015)
- Project: “Exploring fungal contamination in the sand and water around the Mediterranean Sea and other water bodies of Europe” - European Confederation of Medical Mycology (ECMM), Coordinators: Esther Segal (Israel), João Brandão (Portugal) (since 1 June 2016).
- Project: “*Cryptococcus gattii* environmental survey network: European and Mediterranean area” (ISHAM *Cryptococcus* workin group for Genotyping of *C. neoformans* and *C. gattii*) (since 1 January 2015)

## HONORS AND AWARDS:

- Principal Investigator of the Catania University “STARTING GRANT”, Project: “Evaluation of Isavuconazole *in vitro* susceptibility against rare yeasts responsible for invasive mycoses”.
- Fellowship Program 2014 about Invasive fungal infections in Onco-haematological patients. Project: “Environmental isolation of multi-drug resistant *Aspergillus* species in Southern Italy”
- Pfizer Global Medical Grants for Project 59852369: “Isavuconazole MIC strips for susceptibility testing of *Candida* sp.” (2020)
- Member of the Study Committe for Mycology (COMS) of the Association of the Italian Clinical Microbiologists (AMCLI) (2018 - now)
- Member of the Multidisciplinary Working Group Frontier Microbiology (GLAMIF) of the Association of the Italian Clinical Microbiologists (AMCLI) (2022 - now)

## MEMBERSHIPS:

Italian Society of Microbiology (SIM), Association of the Italian Clinical Microbiologists (AMCLI), Italian Federation of Human and Animal Mycopathology (FIMUA), European Society of Clinical Microbiology and Infectious Diseases (ESCMID), International Society for Human & Animal Mycology (ISHAM).

## INVITED SPEAKER (NATIONAL CONGRESS

Laura Trovato was invited speaker in National Congresses dealing with topics related to clinical mycology and since 2008, was invited speaker at nomeurous educational courses.

## **PUBLICATIONS AND BIBLIOMETRICS:**

She is Co-author of 43 scientific articles published in international peer-reviewed journals and more than 60 abstracts (poster and oral communications) in proceeding of national and international congresses. Citation index: 757; h-index: 16; source Scopus, February 2025.

02/02/2025

A handwritten signature in black ink, appearing to read 'Laura Gravato', with a stylized, flowing script.

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".