

Anna Lisa Furfaro

Associate Professor

EDUCATION AND TRAINING

31/10/2018

Scientific qualification for Associate Professor

06/A2 – MEDS 02/B – Clinical Pathology

Ministero Università e Ricerca (MUR)

17/07/2009

Specialization in Clinical Pathology

School of Medicine – University of Genoa

15/05/2005

PhD in Biology and Pathology of Ageing

School of Medicine – University of Genoa

Settembre 2001

Biology Professional Qualification

Ordine Nazionale dei Biologi (ONB)

21/02/2001

Master Degree in Biology

University of Genoa

PROFESSIONAL HISTORY

01/03/2024 - today

Associate professor

MEDS 02/B – Clinical Pathology

Department of Experimental Medicine – University of Genoa

01/03/2021 – 29/02/2024

Assistant professor (RTDB)

MEDS 02/B – Clinical Pathology

Department of Experimental Medicine – University of Genoa

01/11/2018 – 28/02/2021

Assistant professor (RTDA)

MEDS 02/B – Clinical Pathology

Department of Experimental Medicine – University of Genoa

01/02/2018 – 31/10/2018

Post-doc Fellow

Department of Experimental Medicine – University of Genoa

[01/02/2015 – 31/01/2018](#)

Post-doc Fellow

Laboratory of Experimental and Clinical Immunology
Istituto Giannina Gaslini – IRCCS -Genoa

[02/10/2006 – 31/01/2015](#)

Post-doc Fellow

MEDS 02/A – General Pathology
Department of Experimental Medicine – University of Genoa

[01/03/2006 – 30/09/2006](#)

Post-doc Fellow

MEDS 02/A – General Pathology
Department of Experimental Medicine – University of Genoa

[01/02/2005 – 31/01/2006](#)

Post-doc Fellow

Department of Clinical and Biological Sciences – University of Turin

[01/02/2004 – 31/05/2005](#)

Fellow

Clinical analysis laboratory
Ospedale Evangelico Internazionale - Genoa

[01/02/2002 – 31/01/2005](#)

PhD Student

Department of Experimental Medicine – University of Genoa

ACADEMIC APPOINTMENTS

[A.A. 2023/2024 - today](#)

Member of the Joint Teacher-Student

School of Medicine – University of Genoa

EXPERIENCE

[April 2013](#)

Premio della Società Italiana di Patologia e Medicina Traslazionale

SipMet Young Investigator Award 2013, Experimental Biology Meeting 2013, Boston
Italian Society of Pathology in collaboration with con American Society for Investigative Pathology

From A.A. 2019/2020

Orientation Activities for Secondary School Students

Department of Experimental Medicine – University of Genoa

From February 2021

Member of Department Web Commission

Department of Experimental Medicine – University of Genoa

From 5 April 2023

Co-Head of Third Mission Activity

Department of Experimental Medicine – University of Genoa

From October 2023

Member of Third Mission Commission

Department of Experimental Medicine – University of Genoa

From A.A. 2023/2024

Member of the academic board of the PhD in Experimental Medicine

Department of Experimental Medicine – University of Genoa

TEACHING ACTIVITY

From A.A. 2024/2025

Institutional teaching activity – Associate Professor – University of Genoa

- Pathophysiology and Clinical Pathology (code 111577) - Master's Degree (single cycle) - Pharmacy (Academic Year 2025/2026)
- General Pathology and Pathophysiology (code 66939) - Degree Course - Psychiatric Rehabilitation Techniques (Academic Year 2025/2026)
- Clinical Pathology (code 104201) – Master's Degree – Applied and Experimental Biology, Biohealth Curriculum (Academic Year 2025/2026 – 2024/2025)
- Clinical Pathology (code 67537) – Master's Degree (single cycle) – Medicine and Surgery (Academic Year 2025/2026 – 2024/2025)
- Parasitology (code 68166) - Degree Course in Biomedical Laboratory Techniques (Academic Year 2025/2026 – 2024/2025)
- Elements of clinical pathology and laboratory analysis in the practice of nutrition (code 111248) - Master's Degree - Applied and Experimental Biology, Food and Nutrition curriculum (Academic Year 2025/2026 – 2024/2025)
- Clinical Pathology II (code 68195) – Degree Course in Biomedical Laboratory Techniques (Academic Year 2025/2026 – 2024/2025)
- Clinical Pathology III (code 68196) – Degree Course in Biomedical Laboratory Techniques (Academic Year 2025/2026 – 2024/2025)
- Clinical Pathology (code 68436) – Degree Course in Cardiocirculatory Pathophysiology and Cardiovascular Perfusion Techniques (Academic Year 2025/2026 – 2024/2025)
- Clinical Pathology (code 67192) – Master's Degree (single cycle) in Dentistry and Dental Prosthetics (Academic Year 2025/2026 – 2024/2025)

- Applied Research Methodology (code 106467) – Master's Degree in Diagnostic Technical Health Professions (Academic Year 2025/2026 – 2024/2025)
- Clinical Pathology – School of Specialization in Clinical Pathology and Clinical Biochemistry – University of Pisa (consortium with the University of Genoa) (Academic Years 2025/2026 – 2024/2025)

From A.A. 2018/2019 to A.A. 2023/2024

Teaching Appointments – Fixed-Term Researcher – University of Genoa

- Clinical Pathology (code 104201) – Master's Degree – Applied and Experimental Biology, Biohealth curriculum (Academic Years 2023/2024 – 2022/2023 – 2021/2022)
- Parasitology (code 68166) - Degree Course in Biomedical Laboratory Techniques (Academic Year 2023/2024 – 2022/2023)
- Elements of clinical pathology and laboratory analysis in the practice of nutrition (code 111248) - Master's Degree – Applied and Experimental Biology, Food and Nutrition curriculum (A.A. 2023/2024)
- General Pathology (code 68164) – Degree Course in Biomedical Laboratory Techniques (Academic Year 2023/2024)
- Clinical Pathology II (code 68195) – Degree Course in Biomedical Laboratory Techniques (Academic Years 2023/2024 – 2022/2023 – 2021/2022 – 2020/2021 – 2019/2020 – 2018/2019)
- Clinical Pathology III (code 68196) – Degree Course in Biomedical Laboratory Techniques (Academic Year 2023/2024)
- Clinical Pathology (code 68436) – Degree Course in Cardiocirculatory Pathophysiology and Cardiovascular Perfusion Techniques (Academic Years 2023/2024 – 2022/2023 – 2021/2022 – 2020/2021 – 2019/2020 – 2018/2019)
- Clinical Pathology (code 67192) – Master's Degree (single cycle) in Dentistry and Dental Prosthetics (Academic Years 2023/2024 – 2022/2023 – 2021/2022 – 2020/2021 – 2019/2020 – 2018/2019)
- Applied Research Methodology (code 106467) – Master's Degree in Diagnostic Technical Health Professions (Academic Year 2023/2024 – 2022/2023)
- General Pathology (code 67944) – Degree Course in Nursing (Academic Year 2022/2023 – 2021/2022 – 2020/2021 – 2019/2020 – 2018/2019)
- Pathophysiology (code 68165) – Degree Course in Biomedical Laboratory Techniques (Academic Year 2021/2022)
- Clinical Pathology – School of Specialization in Clinical Pathology and Clinical Biochemistry – University of Pisa (consortium with the University of Genoa) (Academic Years 2023/2024 – 2022/2023 – 2021/2022 – 2020/2021 – 2019/2020)
- Clinical Pathology (code 89746) - First year subject exam (specialization in rheumatology) Specialization School – Rheumatology (A.A. 2023/2024 - 2022/2023 – 2021/2022)

From A.A. 2003/2004 to A.A. 2017/2018

Contract Professor – University of Genoa

Contract Professor of General Pathology in the three-year degree courses in Physiotherapy and Nursing

RESEACH ACTIVITY

Author of 47 peer review publication on international journal: 2924 citations, H-index=26, i10-index=50, total IF= 214.608, mean IF=4.56 (data from Scopus e ISI Web of Knowledge at 28th August 2025).

Link publication Scopus <https://www.scopus.com/authid/detail.uri?authorId=9743498700>

Main research lines of Professor Furfaro:

- Study of HO-1 as a potential clinical marker of tumor progression and prognosis in breast cancer. Study in collaboration with the Department of Pathology at Savona Hospital and with Professor M. Nitti of the Department of Experimental Medicine at the University of Genoa
- Study of HO-1 as a potential clinical marker of disease and prognosis in cardiovascular diseases. Study in collaboration with Prof. G. Pratesi, Director of the Vascular and Endovascular Surgery Clinic at the San Martino IRCCS Polyclinic Hospital in Genoa, and Prof. M. Nitti of the Department of Experimental Medicine at the University of Genoa
- Study of the role of heme oxygenase 1 (HO-1) in macrophage polarization, with particular reference to microglia, and its role in the activation of the TLR4 and TLR7/8-dependent pathway. Study in collaboration with Professor M. Nitti of the Department of Experimental Medicine, University of Genoa
- Study of the role of heme oxygenase-1 (HO-1) in the response of melanoma to BRAF inhibitors and its possible role in natural killer cell evasion. Study in collaboration with Professor M. Nitti and Professor Pietra of the Department of Experimental Medicine, University of Genoa
- Study of the regulation of the antioxidant response in the acquisition of resistance of tumor cells to therapy, with particular attention to the role of heme oxygenase-1 (HO-1) and the transcription factor Nrf2 in high-risk neuroblastoma. Study in collaboration with Professors M. Nitti, C. Domenicotti, and Traverso of the Department of Experimental Medicine, University of Genoa