

Alessia Agazzi

Adjunct Professor | Academic Years 2025 - 2026 **University of Genoa - DIMES, Department of Experimental Medicine** | Genoa, Italy *Specialist Teaching Contract in Preparation of Antineoplastic Drugs (code 110707)*

- **Integrated Course:** Pharmacology, Infectious Diseases, and Internal Medicine (code 68489) **Course Profile:** Toxicity of antineoplastic drugs; storage and preparation of antineoplastic drugs in hospital pharmacy departments (Antineoplastic Drug Unit - UFA); handling of antineoplastic drugs under sterile hoods and use of personal protective equipment (PPE) as per current regulations; execution of drug validation controls.

Adjunct Professor | Academic Years 2021 - 2026 **University of Genoa - DIMES, Department of Experimental Medicine** | Genoa, Italy *Specialist teaching contract in agreement with the Italian National Health Service (SSN).*

- Lecturer for the course "Data Management and Information Systems in Organizations" (code: 106410), academic discipline ING-INF/05.
- The course is part of the Master of Science program in "Health Professions of Diagnostic Techniques".
- Responsible for delivering a 16-hour module (2 CFU credits) for first-year students.
- The module is within the integrated course of "Demographic, Health, and Epidemiological Statistics" (code: 67821).

Quality Assurance Manager & Biomedical Laboratory Scientist | January 2021 - Present **Giannina Gaslini Institute** | Genoa, Italy *Scientific Institute for Research, Hospitalization and Health Care (IRCCS) - Pediatric Hospital*

- Permanent position as a Healthcare Professional - Biomedical Laboratory Scientist at the Central Analysis Laboratory U.O.C. (Complex Operative Unit).
- Appointed as Quality Assurance Manager (QAM) for the Central Analysis Laboratory.
- Perform laboratory and research activities related to biomedical analysis in the following sectors:
 - Bacteriology
 - Parasitology

- Serology
- Autoimmunity
- Allergology

Biomedical Laboratory Scientist | January 2013 - January 2021 **Giannina Gaslini Institute** | Genoa, Italy *Scientific Institute for Research, Hospitalization and Health Care (IRCCS) - Pediatric Hospital*

- Permanent position as a Healthcare Professional - Biomedical Laboratory Scientist at the Pharmacy U.O.C. (Complex Operative Unit).
- Specialized in the preparation of:
 - **Compounded medications (galenic preparations)** such as single-dose powders, syrups, creams, pastes, laboratory reagents, disinfectants, mouthwashes, eye drops, mixtures, and suspensions.
 - **Compounded sterile preparations** including antineoplastic (chemotherapy) drugs for intravenous and intrathecal administration, as well as single-dose powders and syrups, creams, eye drops, and suspensions.
- Managed the environmental and microbiological validation of cleanrooms in compliance with Good Manufacturing Practices (GMP Annex 1) for sterile products.
- Authored the technical specifications for a public tender for the supply of devices used in compounding and handling antineoplastic drugs (2020).
- Provided training and mentorship to newly hired technical and nursing staff.

Research Laboratory Scientist (Professional Collaboration Contract) | August 2012 - December 2012 **Giannina Gaslini Institute** | Genoa, Italy *Scientific Institute for Research, Hospitalization and Health Care (IRCCS) - Pediatric Hospital*

- Developed and implemented a telemedicine system between the Mobile Laboratory and the Central Analysis Laboratory to enable remote validation and signing of medical reports.
- Managed Point-of-Care Testing (POCT) devices for hematology, biochemistry, and blood gas analysis, ensuring calibration, alignment with core lab instruments, and internal/external quality controls.
- Performed diagnostic and research analysis using chromatographic techniques in the field of toxicology.

Biomedical Laboratory Scientist (Fixed-Term Contract) | April 2011 - May 2012
Giannina Gaslini Institute | Genoa, Italy *Scientific Institute for Research, Hospitalization and Health Care (IRCCS) - Pediatric Hospital*

- Conducted laboratory analysis and research in various biomedical and biotechnological fields, including: Microbiology, Virology, Pharmacotoxicology, Immunology, Clinical Pathology, Allergology, and Hematology.
- Managed biological samples with a strong focus on ensuring biosafety procedures and complete sample traceability.
- Participated in the LAM (Mobile Analysis Laboratory) project, performing first-level tests at the homes of patients from the Institute's Hemato-Oncology home care program.

Research Laboratory Scientist (Professional Collaboration Contract) | April 2009 - March 2011 **Giannina Gaslini Institute - Core Facilities, Scientific Laboratories** | Genoa, Italy *Scientific Institute for Research, Hospitalization and Health Care (IRCCS) - Pediatric Hospital*

- Position held at the Cellular Immunology Laboratory.
- Analyzed cell populations and performed leukaemia typing (blood and bone marrow samples) using flow cytometry.
- Conducted sterile and non-sterile cell sorting for various research applications.
- Verified the quality and purity of sorted cell populations using flow cytometry analysis.
- Responsible for the operation and maintenance (both scheduled and corrective) of the flow cytometry and cell sorting instrumentation.

Biomedical laboratory technician (internship) | September- October 2007
Bugando Medical Centre Hospital | Mwanza (Tanzania)

- Initiated a project aimed at developing telepathology to support healthcare growth in a developing country.

EDUCATION AND TRAINING

Academic year 2023/2024

Postgraduate Master's Degree (Level I) in Clinical Governance, Strategic Planning, and Healthcare Quality Management Systems

Short description, if any

Organization: Università Telematica Pegaso

Academic year 2020/2021

Postgraduate Master's Degree (Level I) in Legal and Forensic Aspects in Healthcare Professions

Internship: Trade union activity at USRL CISL Liguria, as a member of the Workers' Representative Body (RSU) at the G. Gaslini Institute in Genoa, focusing on workplace safety. Organization: Health Area, Università Telematica Pegaso.

Academic year 2019/2020

Postgraduate Master's Degree (Level I) in Education and Tutoring in Healthcare Professions

Internship: Training program for a biomedical laboratory technician at a Compounding Pharmacy Laboratory (Galenic Laboratory).

Organization: Health Area, Università Telematica Pegaso.

Academic year 2019/2020

Advanced Course in Pharmaceutical, Health and Health Technologies Economics (APHEC)

Project Work Title: *CAR-T in Liguria: effectiveness and economic sustainability*

Organization: department of Economics, University of Genoa.

Academic year 2018/2019

Postgraduate Master's Degree (Level II) in Healthcare Company Management and Leadership (MADIMAS)

Thesis Title: *From care to the laboratory: repositioning nursing staff after burnout through motivational and skill-enhancing strategies at the G. Gaslini Institute, Genoa*

Organization: School of Management, LULM Jean Monnet University.

Academic year 2016/2017

Postgraduate Master's Degree (Level I) in Healthcare Professions Management and Coordination

Thesis Title: *Implementation of digital signature in the Immunohematology and Transfusion Medicine Laboratory at the G. Gaslini Institute, Genoa*

Organization: Health Area, University of Rome Unitelma Sapienza.

Academic year 2014/2015

Master's Degree in Health Professions for Diagnostic Techniques (LM/SNT3)

Thesis Title: *Adoption of the digital signature in the central clinical laboratory of the G. Gaslini Institute*

Organization: Medicine and Surgery – Department of Molecular Medicine, University of Pavia.

Academic year 2007/2008

Bachelor's Degree in Biomedical Laboratory Techniques (L/SNT3)

Thesis Title: *The evolution of a pathology laboratory: the role of telepathology in a developing country*

Organization: Medicine and Surgery, University of Genoa.

Academic year 2003/2004

Scientific High School Diploma

Organization: Liceo Scientifico Statale “Leonardo da Vinci”, Genoa.

PROFESSIONAL HISTORY

Adjunct Professor | Academic Years 2021 - 2025 **University of Genoa - DIMES, Department of Experimental Medicine** | Genoa, Italy *Specialist teaching contract in agreement with the Italian National Health Service (SSN).*

EXPERIENCE

MAIN SEMINARS

- Chemical Risk – Continuing education course on health and safety, pursuant to Article 37 of Legislative Decree 81/08
- Personal Protective Equipment (PPE) and Handling of Chemotherapy Drugs – Continuing education course on health and safety, pursuant to Article 37 of Legislative Decree 81/08
- Update for Healthcare Professionals on Medical Device Surveillance – “New National Surveillance Network and Reporting Procedures”
- Regulatory Updates – Course on high-risk medications: identification, impact, and prevention strategies
- Procurement Contracts, Interference, and Risk Assessment – Continuing education course on health and safety, pursuant to Article 37 of Legislative Decree 81/08
- FSE 2.0, Digital Security and Electronic Signature: Benefits and Best Practices

- Waste Management in Healthcare Settings – Continuing education course on health and safety, pursuant to Article 37 of Legislative Decree 81/08
- Workplaces and Equipment, Visual Display Unit (VDU) Use, Pregnancy-Related Risks – Continuing education course on health and safety, pursuant to Article 37 of Legislative Decree 81/08
- Foundations, Benefits, and Applications of the Electronic Health Record (FSE 2.0), 1st Edition
- Burnout Syndrome: Torture at Work
- Communicating: Communication Strategies for Healthcare Professionals
- 2nd National Congress of Biomedical Laboratory Technologists: The Strategic Role and Space of the TSLB – Betting on Ourselves, Betting on the Future of Healthcare Professions
- Training Course for Internal Auditors – ISO 9001:2015 in Healthcare
- Phase I Clinical Trials
- Adult BLS (Basic Life Support and Defibrillation) for Healthcare Workers
- Quality and Patient Care Improvement and Safety Program: JCI, ISO Standards
- Updates in Laboratory Medicine
- Regional Training Course for Healthcare Professionals on Medical Device Surveillance
- Conflict of Interest, Ineligibility, and Incompatibility in Healthcare Roles
- Cybersecurity Essentials for Healthcare Professionals
- Laboratory Diagnostics of Organ-Specific Autoimmune Diseases
- External Quality Assessment in Laboratory Medicine: Liguria Region Project
- The New ISO 15189:2022 – Requirements for Quality and Competence in Medical Laboratories
- Introduction to Artificial Intelligence in Medicine for Healthcare Personnel
- Occupational Safety in Hospitals: Risk Management, Prevention, and Protection
- Digital Innovation and Process Analysis in Healthcare
- 1st National Congress of Biomedical Laboratory Technologists: Healthcare Professionals and the NRRP – Starting Up TSLB
- The Privacy Manager in Healthcare and the NRRP: Privacy, Digitalization, Innovation, and Competitiveness
- Physics, Technology, and Safety of LASER Devices
- The Pre-Analytical Phase: Variability and Process Criticalities
- New Privacy Regulations: Understanding the GDPR

- Safe Use of Medical Gases – Pursuant to Art. 37 of Legislative Decree 81/08
- PBLS (Pediatric Basic Life Support) Retraining Course
- Update on Law No. 190: Anti-Corruption Plans and Measures
- At Reduced Risk: Improving Quality through Clinical Governance (2021 Edition)
- Telemedicine: Essential Elements for Effective and Efficient Remote Patient Management
- Good Manufacturing Practices Training for the Production of Active Pharmaceutical Ingredients (APIs)
- APHEC 2020 – Advanced Course in Pharmaceutical, Health, and Health Technologies Economics (6th Edition)
- How to Conduct GCP (Good Clinical Practice) Inspections and Audits at the Clinical Investigator Site
- Good Clinical Laboratory Practice (GCLP): Introduction to Clinical Research and Data Reporting
- Introduction to Good Clinical Laboratory Practice – Introduction to Clinical Research
- ICH-Good Clinical Practice (GCP) Training Course
- Children and Clinical Research – Research in Global Health Emergencies: Ethical Issues
- PHARMAWEEK 2020 – Oncology Compounding: Present and Future
- Project A.B.C.D.E. – Attention! Burnout, Compassion Fatigue, Post-Traumatic Stress Disorder... and Beyond
- Workplace Safety: Fundamentals of General Training
- Review of Quality System Procedures for Infection Risk Control at the Gaslini Institute
- Law No. 190: Anti-Corruption Plans and Measures
- Communication in the Workplace: Elements of Team Building
- Therapeutic Drug Monitoring (TDM): Experience and Organizational Model of the Gaslini Institute
- Bedside Testing (Point-of-Care Testing): Clinical and Technological Aspects in the Institutional Context
- Effective Communication and Assertive Behavior
- Advanced Level Computer Science and Scientific English
- Healthcare Legislation: Ethical and Civil Principles of the National Health Service (SSN)
- Methods and Tools for Clinical Risk Management
- Stress and Burnout in Healthcare Professions

- Child and Family Centres Care: A Cultural Approach to Improving Assistance
- The G. Gaslini Institute and Complex Care: How Organization and Assistance Evolve According to the Complex Care and Intensity of Care Model
- Course on Specific Risks in Healthcare Settings – Healthcare Personnel – Gaslini Institute
- Basic Course on Occupational Health and Safety for Workers pursuant to Art. 37 Legislative Decree 81/08
- Fire Prevention Course and Fire Management System: Risk Reduction
- Quality System Elements According to ISO 9001 for Healthcare Laboratories

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

- **“Component Resolved Diagnosis in Pediatric Allergy Diagnostics”**
Published in *Italian Journal of Laboratory Medicine*, Proceedings of the 23rd National SIMeL Congress, October 2009.
- **“Component Resolved Diagnosis (CRD): the use of molecular components in in vitro allergy diagnostics. The role of the clinical pathology laboratory”**
Published in *LigandAssay*, Vol. 15 (1), 2010.
- **“How Allergy Diagnostics Has Been Revolutionized Thanks to Increasingly Accurate and Precise In Vitro Tests”**
Published in *Il Sole 24 Ore Sanità*, June 2011, Chapter 8.
- **“A mixture of bacterial mechanical lysates is more efficient than single strain lysate and of bacterial-derived soluble products for the induction of an activating phenotype in human dendritic cells”**
Published in *Immunology Letters*, July 2011; 138(1):86–91. DOI: [10.1016/j.imlet.2011.03.004](https://doi.org/10.1016/j.imlet.2011.03.004)
- **“The IgE repertoire in children and adolescents resolved at component level: A cross-sectional study”**
Published in *Pediatric Allergy and Immunology*, August 2012; 23(5):433–440. DOI: [10.1111/j.1399-3038.2011.01228.x](https://doi.org/10.1111/j.1399-3038.2011.01228.x)
- **“Administration of a polyvalent mechanical bacterial lysate to elderly patients with COPD: Effects on circulating T, B, and NK cells”**
Published in *Immunology Letters*, January 2013; 149(1–2):62–67. DOI: [10.1016/j.imlet.2012.11.009](https://doi.org/10.1016/j.imlet.2012.11.009)

- **“Evaluation of a mobile clinical pathology laboratory developed for the home care of pediatric patients following transplantation of peripheral blood precursor cells”**
Published in *Clinical Chemistry and Laboratory Medicine (CCLM)*, August 2013; 51(8):1637–1642. DOI: [10.1515/cclm-2012-0669](https://doi.org/10.1515/cclm-2012-0669)
Authors: E. Pasquarella, R. Pessina, E. Biagini, A. Agazzi, G. Di Maira, S. Dallorso, D. Caprino, L. Manfredini, E. Cervetto, D. Innocenti, F. Virga, C. Contarini, F. Facco
- **“The Mobile Clinical Laboratory of the G. Gaslini Institute: One Year of Activity”**
Poster No. 006 – *Congress in Salerno*, 3–5 October 2012 – **Winner of 1st Prize** Authors: F. Facco, E. Pasquarella, A. Agazzi, L. Marcomini, R. Pessina
Award: Prize awarded by the Italian Society of Laboratory Medicine (SIMeL) in memory of Maria Bertilla Fietta for the poster “*The Mobile Clinical Laboratory of the G. Gaslini Institute: One Year of Activity.*”
- **“Lack of quality control in POCT: Reliability of results and operational responsibilities”**
Poster No. 039 – *Congress in Salerno*, 3–5 October 2012
- **“Comparison of antibody-conjugated magnetic immunoassay and liquid chromatography–tandem mass spectrometry for the measurement of cyclosporine and tacrolimus in whole blood”**
Published in *International Journal of Immunopathology and Pharmacology*, April–June 2013; 26(2):419–426.
- **“Occupational asthma associated with exposure to *Limonium tataricum* flowers”**
Published in *European Annals of Allergy and Clinical Immunology*, May 2013; 45(3):84–89.
- **“Development of Personalized Oral Chemotherapy: Use of Vemurafenib in Pediatric Tumors”**
Proceedings of the 38th National Congress of SIFO (Italian Society of Hospital Pharmacists) – Rome, 23–26 November 2017
- **“Centralized Preparation of Total Parenteral Nutrition in the Hospital Pharmacy Unit: Experience with Critically Ill Premature Neonates”**
Abstract, 40th National Congress of SIFO – Genoa, 21–24 November 2019

“The Mobile Clinical Laboratory of the G. Gaslini Institute: One Year of Activity”Poster No. 006 – *Congress in Salerno*, 3–5 October 2012 – **Winner of 1st Prize****Authors:** F. Facco, E. Pasquarella, A. Agazzi, L. Marcomini, R. Pessina**Award:** Prize awarded by the Italian Society of Laboratory Medicine (SIMeL) in memory of Maria Bertilla Fietta for the poster “*The Mobile Clinical Laboratory of the G. Gaslini Institute: One Year of Activity.*”

OTHER EXPERIENCES

- **Member of the Degree Program Council** in Biomedical Laboratory Techniques and Health Professions in Diagnostic Sciences at the University of Genoa (UniGe).
- **Trade union representative** within the Workers’ Representative Body (RSU) for the technical-administrative staff at the G. Gaslini Institute.
- **Member of the Working Group on Antiblasic Drug Units**, part of the National Register of the FNO TSRM and PSTRP (National Federation of Orders of Radiologic Technologists and Technical Health Professions, Rehabilitation and Prevention).

07.31.2025

