



Elisa Danese

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Date of birth: 07/06/1981 Nationality: Italian

WORK EXPERIENCE

University of Verona

[31/12/2020 - Current]

Associate Professor of Clinical Biochemistry, Department of Neurological, Biomedical and Movement Sciences

University Hospital of Verona

[01/03/2013 - Current]

Chemist in the Laboratory of Clinical Chemistry and Haematology

University of Verona

[01/01/2026 - Current]

Director of the Postgraduate Clinical Pathology Program

EDUCATION & TRAINING

[2001 - 2005]

Pharmaceutical Chemistry Degree

University of Padua

[2006 - 2010]

Clinical Biochemistry Specialization

University of Verona

[2011 - 2014]

PhD degree in Medical, Clinical and Experimental Science run by the Master School for Life and Health Science

University of Verona

Post-doctoral fellow at the Departments of Endocrinology and Medicine, Clinical Research Centre, University Hospital of Malmö

University of Lund

PROJECTS

Research Funds

- 2024: Joint Project. Development of an Enhanced Liquid Chromatography-Based Technique for the Analysis of Bilirubin Fractions in Human Plasma.
- 2022: PNRR; National Center for Gene Therapy and Drugs Based on RNA Technology. B33C22000630001.
- 2012: MIUR, PRIN (Research Project of National Interest). Translational medicine research program exploring early events involved in cancer development: the role of platelets in intestinal tumorigenesis.
- 2012: MIUR, Young Researcher. Obesity, hypertension, and subclinical vascular damage in children: the role of dietary factors and lipid mediators. An epidemiological and translational study.
- 2011: Cariverona, Verona Nanomedicine Initiative. Development of biosensors based on optical principles for the measurement of plasma ions using silicon resonant microcavities.
- 2009: Veneto Region funds. Pharmacogenetics and molecular study of pharmacological action: application in clinical diagnostics in the cardiovascular field and in monitoring antithrombotic therapy.
- 2008: MIUR, PRIN (Research Project of National Interest). Standardization and validation of laboratory methods for the study of erythrocyte and plasma parameters useful in evaluating the onset and progression of diabetic complications.

PUBLICATIONS

Scientific production

- Publications in international peer-reviewed journals: 170
- Publications as first, second or last author: 82
- Number of Citations (Scopus): 4885
- H-Index (Scopus): 37
- Publications in national or local journals: 17

A complete and updated list of publications is available at:

<https://orcid.org/0000-0002-2454-0410>

HONOURS AND AWARDS

National and International awards

- 2019 Outstanding Guest Editor Award, as a tribute to the contribution in leading the Focused Issue "Rare and orphan disorders: an emerging challenge?" for Annals of Translational Medicine
- 2019 Eberhard F. Mammen Young Investigator Award, for the best presentation given at the ISTH2019 meeting, Melbourne, 6-10 July
- From 2009 to 2021: Six Best Poster Awards at the Congress of SiBioC

HOBBIES AND INTERESTS

Research Interests

- Development and analytical validation of novel and emerging clinical biomarkers in endocrinology, oncology, pharmacology, and hemostasis, with application to diagnosis, risk stratification, and therapeutic monitoring.
- Methodological research in clinical biochemistry, focused on the development, optimization, and validation of laboratory assays using immunometric, enzymatic, colorimetric, and coagulation-based methods, as well as mass spectrometry-based approaches.
- Analytical performance evaluation and clinical validation of biomarkers, including assessment of precision, accuracy, linearity, sensitivity, functional sensitivity, and biological variability, according to international guidelines.
- Integration and comparison of different analytical platforms (immunoassays, enzymatic/colorimetric assays, coagulation methods, and LC-MS/MS) to improve analytical robustness, harmonization, and clinical interpretation of laboratory results.
- Quality assurance and standardization of laboratory methods, including evaluation of pre-analytical and analytical variability and implementation of quality indicators in accredited clinical laboratories.

SCIENTIFIC ACTIVITY

Scientific roles and memberships

- Associate editor of the journal "Annals Translational Medicine"
- Member of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology
- Member of the Scientific Committee for the educational activities of SiBioC
- Regional Deputy Delegate of SiBioC
- Member of the Diagnostics and OMICs subcommittee of the Scientific Theme Program Committee for the ISTH 2020 Congress
- Member of the EFLM Task and Finished Group, "Demand Management Library"
- Project reviewer for the "Belgian Foundation against Cancer, call Grants 2018"
- Project reviewer for the "Agency for Health Quality and Assessment of Catalonia (AQuAS), call grants 2019"
- Member of the Abstract Evaluation Committee of the IFCC-EFLM EuroMedLab Barcelona 2019 Congress
- Member of the Abstract Evaluation Committee of the ISTH 2019 Congress
- Member of the Abstract Evaluation Committee of the IFCC WorldLab Seul 2020 Congress
- Reviewer for more than 30 International journal