

Prof. Luciana Caenazzo
Associate Professor in Legal Medicine

Dept. of Department of Cardiac, Thoracic, Vascular Sciences and Public Health
University of Padua

Oct'14 - today Associate Professor in Legal Medicine Dept. of Department of Cardiac, Thoracic, Vascular Sciences and Public Health - University of Padua.

Since 2002, she teaches Legal Medicine, Bioethics to pre-and postgraduate medical and law students, of the University of Padua:

Legal medicine Course at Single-cycle degrees in Law;

Forensic genetics at Single-cycle degrees in Medicine and Surgery;

Legal Medicine in Bachelor's degree Nursing;

Legal Medicine and Bioethics in Bachelor's degree Occupational Therapy;

Legal Medicine and Bioethics in rehabilitation in Second cycle degree in Health professions of rehabilitation sciences

Her research regards aspects of personal identification in the paternity analysis and biological stains by means of the study of DNA genetic markers in the forensic field (Forensic Genetics) and for clinical purpose regarding the follow up in the patients undergoing to marrow transplantation.

Her interests of research also comprise, ethical questions of genetics, forensic genetics and justice, other main research interest is in the ethical aspects of the clinical use of genetics (ethical issues arising in their day-to-day practice and to share good practice), and on the applied and fundamental aspects of new technologies. In the last years also focused on ethical and legal aspects of governance in biobanks.

The research activity produces more than 120 publications in national and international journals.

She is president of the healthcare ethics committee of USL 6 Padova (Italy).

She is President of Occupational Therapy Degree course - University of Padua

She is member of the board of the European Society for Philosophy of Medicine and Healthcare (ESPMH), and President Elect of the International association for Education in Ethics (IAEE).

She was involved in various national and international research projects:

Italian member of the Management Committee of the COST project IS1303 - Citizen's Health through public-private Initiatives: Public health, Market and Ethical perspectives (CHIP ME) - 27 November 2013 - 26 November 2017.

Italian member of the Management Committee of the COST project CA19106 Multi-Sectoral Responses to Child Abuse and Neglect in Europe: Incidence and Trends (Euro-CAN) – 5 October 2020 - 4 October 2024.

Italian member of the Management Committee of the COST project CA21137 Ethics in Dementia (EDEM) – 18/10/2022 – 17/10/2026.

Italian member of the European Network of the Social Studies of Forensic (<https://amsterdam.academia.edu/SocialStudiesofForensicsEUNet>).

She has acted as speaker, chairman and organizer in a number of national and international conferences and meetings.

At international level she collaborates, with colleagues of the following Institutes:

University of Zagreb, Zagreb, Croatia;

Vilnius University, Vilnius, Lithuania;

University of Manchester, Manchester (UK);

University of Coimbra, Portugal;

Centre for Biomedical Ethics and Law -UKLeuven – Belgium;

Institut Borja de Bioètica- Universitat Ramon Ull Barcelona Spagna.

Last years Publications

Marcante, B., Marino, L., Cattaneo, N.E., Delicati A. Tozzo, P., Caenazzo, L.
Advancing Forensic Human Chronological Age Estimation: Biochemical, Genetic, and Epigenetic Approaches from the Last 15 Years: A Systematic Review.
International Journal of Molecular Sciences, 2025, 26(7), 3158

Cowley L. E., Lamela D., Drabarek, K., Rodrigues L.B., Ntinapogias A., Naughton A., DeBelle G., Alfandari, R., Jud, A., Otterman G., LaajasaloT., Christian C.W., Stancheva-Popkostadinova V., Caenazzo L., Soldino V., Vaughan R. Kemp, A. Nurmatov U., Hurt L.
Defining child maltreatment for research and surveillance: an international, multi-sectoral, Delphi consensus study in 34 countries in Europe and surrounding regions.
The Lancet Regional Health - Europe Open Access Volume 50 March 2025 Article number 101196

Delicati A., Marcante B., Catelan D., Biggeri A., Caenazzo L., Tozzo P.
Hand-to-surface bacterial transfer and healthcare-associated infections prevention: a pilot study on skin microbiome in a molecular biology laboratory
Frontiers in Medicine Vol. 12 2025 Article number 1546298

Marcante B., Delicati A., Onofri M., Tozzo P., Caenazzo L.
Estimation of Human Chronological Age from Buccal Swab Samples through a DNA Methylation Analysis Approach of a Five-Locus Multiple Regression Model.

Int J Mol Sci. 2024 Jan 11;25(2):935. doi: 10.3390/ijms25020935. PMID: 38256009; PMCID: PMC10815300.

Vaswani V., Caenazzo L., Congram D.

Corpses identification in mass disasters and other violence: the ethical challenges of a humanitarian approach.

Forensic Sci Res. 2024;9(1):owad048 doi:10.1093/fsr/owad048.eCollection2024 Mar

Cestonaro C., Delicati A., Marcante B., Caenazzo L., Tozzo P.

Defining medical liability when artificial intelligence is applied on diagnostic algorithms: a systematic review.

Front. Med. Vol. 10 - 2023 <https://doi.org/10.3389/fmed.2023.1305756>

Nurmatov U., Cowley L.E., Bettencourt Rodrigues L., Naughton A., Debelle G., Alfandari R., Lamela D., Otterman G., Jud A., Ntinapogias A., Laajasalo T., Soldino V., Stancheva V., Caenazzo L., Vaughan R., Christian C.W., Drabarek K., Kemp A.M., Hurt L., on behalf of the COST Action CA19106 Team.

Consensus building on definitions and types of child maltreatment to improve recording and surveillance in Europe: protocol for a multi-sectoral, European, electronic Delphi study.

BMJ Open 2023;13:e076517. doi:10.1136/bmjopen-2023-076517

Tozzo P., Delicati A., Marcante B., Catelan D. Caenazzo L.

Lessons Learned from the COVID-19 Pandemic: A Survey-Based Study on a Sample of Italian Physicians' Opinions on Telemedicine.

J. Pers. Med. 2023, 13, 1267. <https://doi.org/10.3390/jpm13081267>

Tozzo P., Delicati A., Marcante B., Caenazzo L.

Digital Biobanking and Big Data as a New Research Tool: A Position Paper.

Healthcare 2023, 11, 1825. <https://doi.org/10.3390/healthcare11131825>

Tozzo P., Mazzobel E., Marcante B., Delicati A., Caenazzo L.

Touch DNA Sampling Methods: Efficacy Evaluation and Systematic Review.

Int. J. Mol. Sci. 2022, 23, 15541. <https://doi.org/10.3390/ijms232415541>

Tozzo P., Delicati A., Caenazzo L.

Human microbiome and microbiota identification for preventing and controlling healthcare-associated infections: A systematic review.

Front. Public Health (2022) 10:989496. doi: 10.3389/fpubh.2022.989496

Masola V., Greco N., Tozzo P., Caenazzo L., Onisto M.

The Role of SPATA2 in TNF signaling, cancer and spermatogenesis.

Cell Death and Disease 2022, 13:997

Tozzo P., Cuman O., Moratto E., Caenazzo L.

Family and Educational Strategies for Cyberbullying Prevention: A Systematic Review

Int. J. Environ. Res. Public Health 2022, 19(16), 10452.

<https://doi.org/10.3390/ijerph191610452>

Cremonese J, Marcon, M, Oppi L, Paletti G, Romolo V, Tozzo, P, Caenazzo, L. An Update on Planned Oocyte Cryopreservation (POC) in Italy: Medical, Epidemiological and Legal Consideration.

Int J Environ Res Public Health 2022,19,2371. <https://doi.org/10.3390/ijerph19042371>.

Tozzo, P., Zanatta, A., D'Angiolella, G., Caenazzo, L., Zampieri, F. Leonardo Botallo (1530–1587) and his pioneering contributions to traumatology, cardiology and deontology
Journal of Medical Biography, 2022, 30(1), pp. 50–56

Padova March 4th 2026

Caenazzo