

# Curriculum Vitae

## Personal information

First name(s) / Surname(s) **PAOLO LAGO**  
Address(es) Via Lanfranco, 8 27100 Pavia - ITALY  
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E-mail p.lago@smatteo.pv.it

Nationality Italian

Date of birth 12.10.1962

Gender Male

## Current positions

Dates **1996 – up to now**

Occupation or position held Director of the Department of Clinical Engineering  
Main activities and responsibilities Responsible for all aspects of management of a Department of Clinical Engineering  
Name and address of employer Fondazione I.R.C.C.S Policlinico San Matteo, p.le Golgi, 19 27100 Pavia - ITALY  
Type of business or sector Clinical Engineering

## Work experience

Dates **2000-2005**

Occupation or position held Consultant  
Main activities and responsibilities Responsibilities: technological innovation, biomedical research, quality certification of hospital departments  
Name and address of employer Regione Lombardia – Direzione Generale Sanità  
Type of business or sector Healthcare management

Dates **2002**

Occupation or position held Appointed by Fondazione I.R.C.C.S Policlinico San Matteo  
Main activities and responsibilities Director of the CRS-SISS Department  
Name and address of employer Regione Lombardia – Direzione Generale Sanità  
Type of business or sector Responsible for the development of the CRS-SISS project for the creation of a smart card technology

Dates **1995-1996**

Occupation or position held University Researcher SSD Electronic Bioengineering  
Main activities and responsibilities Electrooptic Instrumentation Laboratory  
Name and address of employer Università degli Studi di Pavia, via Ferrata, 1 – 27100 PAVIA  
Type of business or sector Biomedical Instrumentation

Dates **1993 – 1995**

Occupation or position held Researcher  
Main activities and responsibilities Development of cardiological diagnostic instrumentation  
Name and address of employer Fondazione Salvatore Maugeri, Via Salvatore Maugeri, 4 27100 Pavia - ITALY  
Type of business or sector Biomedical Instrumentation

## Education and training

Dates	<b>2001</b>
Title of qualification awarded	Managerial training course for General Manager of Health Authority
Name and type of organisation providing education and training	IREF, Regional Training Institute
Dates	<b>1992</b>
Title of qualification awarded	Ph.D. in Electronic and Computer Engineering
Name and type of organisation providing education and training	Università degli Studi di Pavia, via Ferrata, 1 27100 PAVIA
Dates	<b>1988</b>
Title of qualification awarded	Degree in Electronic Engineering
Name and type of organisation providing education and training	Università degli Studi di Pavia, via Ferrata, 1 27100 PAVIA

## Selected publications

Publication summary: X journal papers, Y peer-reviewed conference papers, Z short papers.  
H-index: 9, Citations: 692

- COVIDIAGNOSTIX: Health technology assessment of serological tests for SARS-CoV-2 infection, Tomaiuolo, R. et al., *International Journal of Technology Assessment in Health Care*, 2021, 37(1), e87;
- Deep learning and lung ultrasound for Covid-19 pneumonia detection and severity classification, La Salvia, M. et al., *Computers in Biology and Medicine*, 2021, 136, 104742;
- The efficacy of ultraviolet light-emitting technology against coronaviruses: a systematic review, Chiappa, F. et al., *Journal of Hospital Infection*, 2021, 114, pp. 63–78;
- SARS-CoV-2 viability on different surfaces after gaseous ozone treatment: a preliminary evaluation, Percivalle, E. et al., *Journal of Hospital Infection*, 2021, 110, pp. 33–36;
- EBV DNA increase in COVID-19 patients with impaired lymphocyte subpopulation count, Paolucci, S. et al., *International Journal of Infectious Diseases*, 2021, 104, pp. 315–319;
- Detection of the SARS-CoV-2 in different biologic specimens from positive patients with COVID-19, in Northern Italy, Novazzi, F. et al., *Pediatric Allergy and Immunology*, 2020, 31(S26), pp. 72–74;
- Performance of VivaDiag COVID-19 IgM/IgG Rapid Test is inadequate for diagnosis of COVID-19 in acute patients referring to emergency room department, Bruno, R. et al., *Journal of Medical Virology*, 2020, 92(10), pp. 1724–1727;
- Emergency Department and Out-of-Hospital Emergency System (112—AREU 118) integrated response to Coronavirus Disease 2019 in a Northern Italy centre, Perlini, S. et al., *Internal and Emergency Medicine*, 2020, 15(5), pp. 825–833;
- Severe acute respiratory syndrome coronavirus 2 RNA contamination of inanimate surfaces and virus viability in a health care emergency unit, Colaneri, M. et al., *Clinical Microbiology and Infection*, 2020, 26(8), pp. 1094.e1–1094.e5;
- COVID-19 emergency management activities promoted by an university hospital in northern Italy | Attività di prevenzione e protezione nell'ambito della gestione dell'emergenza COVID-19 promosse da un Ospedale Universitario nel Nord Italia, Lago, P. et al.;
- Lack of SARS-CoV-2 RNA environmental contamination in a tertiary referral hospital for infectious diseases in Northern Italy, Colaneri, M. et al., *Journal of Hospital Infection*, 2020, 105(3), pp. 474–476;
- Rapid response to COVID-19 outbreak in Northern Italy: how to convert a classic infectious disease ward into a COVID-19 response centre, Asperges, E. et al., *Journal of Hospital Infection*, 2020, 105(3), pp. 477–479;
- SARS Cov-2 infection in a renal-transplanted patient: A case report, Seminari, E. et al., *American Journal of Transplantation*, 2020, 20(7), pp. 1882–1884;
- Tocilizumab for treatment of severe covid-19 patients: Preliminary results from smatteo covid19 registry (smacore), Colaneri, M. et al., *Microorganisms*, 2020, 8(5), 695;
- Preparing for the maximum emergency with a simulation: A table-top test to evaluate bed surge capacity and staff compliance with training, Ceresa, I.F. et al., *Open Access Emergency Medicine*, 2020, 12, pp. 377–387;
- Low risk for SARS-CoV2 symptomatic infection and early complications in paediatric patients during the ongoing CoVID19 epidemics in Lombardy, Rovida, F. et al., *Journal of Cleaner Production*, 2020;
- Clinical characteristics of coronavirus disease (COVID-19) early findings from a teaching hospital in Pavia, North Italy, 21 to 28 February 2020, Colaneri, M. et al., *Eurosurveillance*, 2020, 25(16), 2000460;
- Assessment of Emerging Health Technology: Lombardy Region Model, Lago, P. et al., *IFMBE Proceedings*, 2015, 45, pp. 641–644;
- Automation of analytical processes in Immunohematology: Hospital Based-HTA approach, Lago, P. et al., *IFMBE Proceedings*, 2014, 41, pp. 1079–1082;
- Total Laboratory automation and Clinical Engineering, Lago, P. et al., *IFMBE Proceedings*, 2014, 41, pp. 1083–1087;

- From laparoscopic surgery to 3-D double console robot-assisted surgery, Lago, P. et al., Proceedings of the IEEE/EMBS Region 8 International Conference on Information Technology Applications in Biomedicine, ITAB, 2010, 5687612;
- An Italian simulation center as a teaching-learning strategy, Lago, P. et al., Proceedings of the IEEE/EMBS Region 8 International Conference on Information Technology Applications in Biomedicine, ITAB, 2010, 5687607;
- Extracorporeal membrane oxygenation in the treatment of novel influenza virus infection: A multicentric hospital-based health technology assessment in lombardy region, Lago P. et al., IFMBE Proceedings, 2010, 29, pp. 1003–1006;
- From laparoscopic surgery to 3-D double console robot-assisted surgery, Lago, P. et al., IFMBE Proceedings, 2010, 29, pp. 1021–1024;
- A method for morphological characterization of dural ectasia in Marfan syndrome, Iacono, M.I. et al., Proceedings of the 31st Annual International Conference of the IEEE Engineering in Medicine and Biology Society: Engineering the Future of Biomedicine, EMBC 2009, 2009, pp. 5764–5767, 5332525;
- Towards a quantitative assessment of dural ectasia in patients with marfan syndrome, Iacono, M.I. et al., IFMBE Proceedings, 2009, 25(4), pp. 898–901;
- A method to analyze the evolution of malignant gliomas using MRI, Iacono, M.I. et al., International Journal of Computer Assisted Radiology and Surgery, 2008, 3(6), pp. 571–579;
- Procedures for a quality control program of ultrasonic scanners | Procedure per l'attuazione di un programma per il controllo e per la garanzia della qualità delle apparecchiature per ecografia, Lago, P. et al, Radiologia Medica, 1996, 91(6), pp. 781–788.

## Professional Activity

Professional skills developed, in these last years, in the field of medical information technology, biomedical technologies and management patterns; he projected and implemented the department of Clinical Engineering of which is now Director. His responsibilities comprehend: purchasing, servicing and managing of medical equipment; technical consulting for new equipment, technical assessment of servicing contracts, testing and disposing of obsolete equipment, development of management patterns, adjusting and up-keeping of equipment on the market, support to scientific research, development of innovation technologies, development of data and communication nets.

The Department of Clinical Engineering deals with about 2000 requests of service on equipment a year, it issues purchasing orders for more than 500 millions euros, it evaluates and assesses service agreements for more than 2 millions euros a year, it carries out more than 300 tests on equipment a year.

He developed and implemented information and computer procedures for the registration of all service activities on healthcare technology exploiting at best the potentialities of a network. He provides technical consultancy within the Foundation on problems concerning the purchasing, elaboration and transmission of biomedical data and images.

Ethics Committee Member of the IRCSS Bambino Gesù of Rome as an Expert in Medical Devices pursuant to art. 2 paragraph 5 letter n of Ministerial Decree 8/2/2013.

## Scientific Activity

He gained interdisciplinary knowledge in the field of electronics, electro-optics and computer science through the planning and implementation of engineering prototypes and technology. He is founding member of SIHTA, the Italian Society of Health Technology Assessment and Management.

Director of T.A.M., the Italian Centre for Technology Assessment and Management, division of CONSUP, the Pavia Consortium for Post-graduate Studies in Management.

Past-President of the Italian Association of Clinical Engineers.

Member of the Clinical Engineering Division of I.F.M.B.E., the International Federation for Medical and Biological Engineering.

**Academic Activity**

Member of the Scientific Committee and Lecturer of the II level Master in Clinical Engineering of the University of Pavia.

Adjunct Professor in Organization, Logistics and Hospital Automation in the Master's Degree in Bioengineering at the University of Pavia.

Adjunct Professor in Information Processing Systems in the Course of Degree in Orthopedic Techniques from the University of Pavia.

Adjunct Professor in Electrical and Electronic Measurements in the Degree Course in Laboratory Techniques of the University of Pavia.

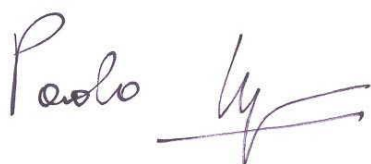
Scientific Director and lecturer for several years of the Management Course for Directors of Complex Structure promoted by the Lombardy Region through IREF / Eupolis.

**Additional information**

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.

Date 17/11/2022

Signature

Handwritten signature of Paolo, written in black ink. The name 'Paolo' is written in a cursive style, followed by a stylized signature mark consisting of a vertical line and a horizontal line.