

PAOLA BERTCHIALLA

Curriculum Vitae

Department of Clinical and Biological Sciences

University of Torino

☎ (+39) 3478768532

✉ paola.berchialla@unito.it

🐙 Github in LinkedIn

Brief description

- I am Associate Professor of Biostatistics at the University of Torino, Italy
- I have worked with several national and international institutes, such as the University of Padova (Italy), Institute of Cancer Research and Treatment of Candiolo (Torino, Italy), the Centre de Recherche des Cordeliers (Paris, France)
- I have worked on projects funded by the European Food Safety Authority, the EU DG-SANCO European Commission and the European Space Agency
- I have published over two hundred papers in international peer-reviewed journals
- Specific areas of expertise include: Bayesian Design for clinical trials, Causa Inference, and Machine Learning applied to epidemiological research and clinical decision support

Education

- 2004 **PhD, Applied Statistics**, *University of Firenze*, Italy.
THESIS: Applying Bayesian Models to Forensic Data
- 2003 **Visiting doctoral researcher**, *University of Oxford*, UK.
PhD visiting student at the Department of Statistics
- 1999 **M.Sc in Mathematics**, *University of Torino*, Italy.
THESIS: On the Liapunov's Theorem

Work Experience

Current roles

- 2023–pres **Biostatistician**, *Territorial Ethics Committee, City of Health and Sciences*, Torino.
DPGR n 26 12/06/2023 🌐
- 2022–pres **Advisor Biostatistician**, *World Athletics Independent Research Ethics Committee*, Monaco.
- 2021–pres **Statistical Consultant of the Working Group on Rehabilitation**, *Italian Association of Pediatric Hematology and Oncology (AIEOP)* 🌐.
- 2021–pres **Biostatistician at the Independent Data Safety Monitoring Committee**.
Radiation-Free Therapy for the Initial treatment of Good prognosis early non-bulky HL, defined by a low Metabolic Tumor Volume and a negative interim PET after 2 chemotherapy cycles (RAFTING) Trial (NCT number: NCT04866654)
- 2020–pres **Associate Professor of Biostatistics**, *Department of Clinical and Biological Sciences*, University of Torino, Italy.
Director of the Biostatistics area of the Centre for Biostatistics, Epidemiology and Public Health
- 2019–pres **Chair of the Working Group on Machine Learning in Clinical Research**, *Italian Association of Medical Statistics and Epidemiology* 🌐.
- 2018–pres **Member of the International Health Behaviour in School-Aged Children (HBSC) Study and Research Network** 🌐.
Member of the focus group on Social Inequalities; member of the HBSC-Italy Study Group
- 2018–pres **Director of the Master in Advance Biostatistics for Clinical Research**, *University of Padova*, Italy 🌐.

2019–pres **Member of the Working Group on Ethics Committee**, Italian Association of Medical Statistics and Epidemiology.

Past roles

Feb-Jun 2023 **Biostatistician**, Ethical Committee , Candiolo Cancer Institute - IRCCS, Torino, Italy.

2017–2020 **Tenured Assistant Professor in Biostatistics**.

Department of Clinical and Biological Sciences, University of Torino, Italy

2012–2015 **Assistant Professor in Biostatistics**.

Department of Clinical and Biological Sciences, University of Torino, Italy

2007–2012 **Postdoctoral Fellow**.

Department of Public Health and Pediatric Sciences (Formerly Department of Public Health and Microbiology), University of Torino, Italy

Conference and Scientific Program Committees

2024 **Member Program Committee**, 3rd AIxIA Workshop on Artificial Intelligence For Healthcare, 23rd International Conference of the Italian Association for Artificial Intelligence 🌐, Bolzano, Italy.

2023 **Member Program Committee**, 2nd AIxIA Workshop on Artificial Intelligence For Healthcare, 22nd International Conference of the Italian Association for Artificial Intelligence 🌐, Rome, Italy.

19 Jun 2023 **Organizer**, Workshop on Health Surveillance and Artificial Intelligence: Addressing Challenges and Seizing Opportunities, Torino, Italy.

Intermediate project workshop to illustrate the results of the project TrustAlert funded by Fondazione Compagnia San Paolo

20 Sept 2023 **Organizer**, Pre-congress course at the XI Congress of the Italian Society of Medical Statistics and Clinical Epidemiology , Jesi, Italy.

Title: AI in Health: methodological approaches and best practices. Learning by doing

2022 **Member Program Committee**, 1st AIxIA Workshop on Artificial Intelligence For Healthcare, 21st International Conference of the Italian Association for Artificial Intelligence 🌐, Udine, Italy.

28 Jan 2022 **Session Organizer and Moderator**, Winter School of the PhD Program in Translational Medicine G.B. Morgagni, University of Padova, Italy.

Session Topic: Machine Learning and Prediction in COVID-19 epidemics

15 Sept 2021 **Organizer**, Pre-congress course at the XI Congress of the Italian Society of Medical Statistics and Clinical Epidemiology , Bari, Italy.

Title: Machine Learning. Instructor: Dr Alison Hill (Rstudio)

18-20 Oct 2019 **President Organizing Committee**, Alpe Adria–Young Statisticians Meeting (Austria, Slovenia, Croatia, Hungary, Italy Region), Basovizza, Italy 🌐.

10 May 2019 **Member of the Scientific Committee**, 1st Bayesian Day for Clinical Research Workshop, University of Torino, Italy.

Workshop co-organized with the Italian Biostatistics Workgroup of the Italian Society of Pharmaceutical Medicine 🌐

2017-pres **Faculty Member**, PhD Program in Translational Medicine G.B. Morgagni , University of Padova, Italy.

16-19 Sept 2015 **Member of the Organizing Committee**, VIII National Congress of the Italian Society of Medical Statistics and Clinical Epidemiology, Torino, Italy.

10-12 Sept 2014 **Member of the Organizing Committee**, Joint Meeting METMA VII (International Workshop on Spatio-Temporal Modeling) -- GRASPA14 (meeting of the Research Group for Statistical Applications to Environmental Problems, Torino, Italy.

Funded projects

2023–2025 **TrustAlert.**

Role: Principal Investigator

Funding: 1,000,000€ – Fondazione Compagnia San Paolo and CDP Foundation

Aims: to develop AI solutions to (i) detect and alert health emergencies; (ii) map the patterns of morbidity and medical vulnerabilities within communities; (iii) establish a living lab to perform epidemic spread simulations at micro and macro levels

Consortium: Department of Clinical and Biological Sciences (University of Torino); Bruno Kessler Foundation; Department of Computer Sciences (University of Torino); LINKS Foundation; Innovo Group; Local Health Authority Alba-Bra (ASL-CN2); Cottolengo Hospital

2024–2025 **Repertor.io.**

Role: Principal Investigator

Funding: 80,100€ – PNRR

Aims: to develop a platform for collecting, annotating, and analyzing patient preferences studies

Research Group: Dept. of Clinical and Biological Sciences (University of Torino); Dept. of Public Health and Pediatrics Sciences (University of Torino)

2023 ***Incorporating Patient Preference Studies into Clinical Research and Decision Model.***

Role: Principal Investigator

Funding: 45,000€ – University of Torino, Compagnia di San Paolo Foundation

Aims: to develop a proof of value for integrating patient preferences into clinical research

Research Group: Dept of Clinical and Biological Sciences (University of Torino); Dept of Public Health and Pediatrics Sciences (University of Torino); Dept of Cardiac, Thoracic, Vascular Sciences and Public Health (University of Padova)

2020–2021 ***EPICO19: EPIdemiological COvid19 model.***

Role: Associated Investigator

Funding: 20,000€ – European Space Agency

Aims: to support public health technicians and decision-makers in managing the COVID-19 outbreak

Consortium: Terraria s.r.l.; Dept of Biomedical, Metabolic and Neural Sciences (University of Modena and Reggio Emilia); Dept of Clinical and Biological Sciences (University of Torino)

2020–2021 ***Regional analysis of the incidence of non-small cell and small cell lung cancer.***

Role: Principal Investigator

Funding: 40,000€ – Roche S.p.A

Aims: to develop a validated procedure to estimate the incidence and prevalence of non-small-cell and small-cell lung cancer from healthcare administrative data.

Research Group: Dept of Clinical and Biological Sciences (University of Torino); Dept of Public Health and Pediatrics Sciences (University of Torino)

2021 ***Feasibility study for the use of major Pathological Response and pathological Complete Response in the Real World.***

Role: Principal Investigator

Funding: 5,000€ – AstraZeneca

Aims: to investigate whether a Natural Language Processing algorithm can be trained to retrieve pathological Complete Response and major Pathological Response readings on pathology reports

Research Group: Dept of Clinical and Biological Sciences (University of Torino); Innovo Group

2019 ***Machine Learning for survival data analysis in clinical trials.***

- Role: Principal Investigator
 Funding: 9,000€ – Hospital Santa Croce and Carle (Cuneo, Italy)
 Aims: to develop a predictive model combining radiomics features and clinical risk factors to predict progression-free survival in patients with diffuse large B-cell lymphoma from the phase 3 GOYA trial (NCT01287741)
- 2017–2019 ***Rescuing Clinical Trials terminated prematurely for poor accrual.***
 Role: Principal Investigator
 Funding: 13,000€ – University of Torino & Lotta ai Tumori del Peritoneo Onlus
 Aims: to develop approaches to rescue Clinical Trials terminated prematurely for poor accrual
 Research Group: Dept of Clinical and Biological Sciences (University of Torino); Dept of Cardiac, Thoracic, Vascular Sciences and Public Health (University of Padova)
- 2015–2017 ***Machine Learning Techniques Applied in Risk Assessment Related to Food Safety.***
 Role: Associated Investigator
 Funding: 385,000€ – European Food Safety Agency
 Aims: to investigate Machine Learning Techniques applied in risk assessment related to food safety
 Consortium: Experimental Zooprophyllactic Institute for Piedmont, Liguria and Valle d'Aosta; Dept of Cardiac, Thoracic, Vascular Sciences and Public Health (University of Padova); Dept of Clinical and Biological Sciences (University of Torino); Zeta Research s.r.l
- 2013–2016 ***Multidisciplinary study of the genetic basis of the mechanism of disease and response to treatment of rare diseases: outcomes in genomics perspective.***
 Role: Associated Investigator
 Funding: 40,000€ – University of Torino
 Aims: (i) to enhance genetic diagnosis and treatment options for lymphangioleiomyomatosis (LAM); (ii) to validate the effectiveness of mTOR inhibitors, and identify predictive factors for therapeutic response to mTOR inhibitors in LAM; (iii) to identify risk factors associated with disease severity and therapy response to characterize patients with abnormal therapy response genetically
 Research Group: multidisciplinary research team of the Dept of Clinical and Biological Sciences
- 2009 ***Scale up methodology to estimate incidence of home injuries.***
 Role: Principal Investigator
 Funding: 5,000€ – Piedmont Region
 Aims: to estimate the size of fall injuries in elderly
- 2002 ***Advanced forensic statistics. Bayesian modeling applied to the analysis of mitochondrial DNA.***
 Role: Principal Investigator
 Funding: 5,000€ – University of Firenze
 Aims: to develop statistical techniques to analyze mitochondrial DNA in forensic investigation

Main Research Areas and Collaborations

- Subject **Research Methodology in Clinical Trials and Clinical Epidemiology.**
 Output Peer-reviewed journal articles, Funded projects, Invited talks, Courses organization, Software development
 Activity I have been involved in several collaborative projects to develop advanced statistical methodologies to design and analyze clinical trials:

	<ul style="list-style-type: none"> ○ <i>Generalizability of Clinical Trial Results</i>: Worked with the University of Padova on transposing clinical trial estimates to clinical practice and assessing the generalizability of enrollment criteria to real-world populations ○ <i>Re-analysis of Clinical Trials</i>: Applied Bayesian approaches to rescue results of clinical trials terminated prematurely. Several research projects in collaboration with the University of Padova, the University of Ferrara, the San Luigi Gonzaga Hospital (Torino, Italy), the Institute of Cancer Research (Candiolo, Italy) ○ <i>Bayesian Sample Size Determination</i>: Focused on Bayesian sample size determination for clinical trials using historical data and semi-parametric priors elicitation. Several research projects in collaboration with INSERM, Centre de Recherche des Cordeliers (Paris, France), University of Ferrara, University of Padova ○ <i>Prognostic models and heterogeneity assessment</i>: Developed prognostic models and approaches to identify sources of variability and heterogeneity in patient outcomes, enhancing the precision and applicability of clinical predictions. Several research projects in collaboration with Molinette Hospital (Torino, Italy), Mauriziano Hospital (Torino, Italy), San Luigi Gonzaga Hospital (Torino, Italy) ○ <i>Propensity Score Evaluation</i>: Assessment of the use of propensity score approaches in non-randomized trials, in collaboration with the University of Padova
Subject	Machine Learning and AI in Clinical Epidemiology.
Output	Peer-reviewed journal articles, Funded projects, Invited talks, Courses organization, Software development
Activity	<p>I have participated in various projects employing deep learning, artificial intelligence, and machine learning to assess health outcomes and support clinical decision-making:</p> <ul style="list-style-type: none"> ○ <i>Machine Learning in Clinical Trials</i>: Developed machine learning approaches to incorporate external data into clinical trials in collaboration with the University of Bath ○ <i>Radiomics and Prognostic Models</i>: Utilized artificial intelligence to identify radiomic features and enhance radiomics prognostic models, working with San Luigi Gonzaga Hospital in Torino, Italy, and Hospital Santa Croce and Carle in Cuneo, Italy ○ <i>Text analysis of clinical notes</i>: Applied machine learning and Natural Language Processing techniques for case detection in routinely collected textual ambulatory records, in collaboration with the University of Padova, LINKS Foundations, Cottolengo Hospital (Torino, Italy) ○ <i>Screening PubMed Abstracts</i>: Implemented machine learning approaches to screen PubMed abstracts, in collaboration with the University of Padova ○ <i>Bayesian Networks for Prognostic Modeling</i>: Developed clinical decision tools based on Bayesian Networks, in collaboration with the University of Padova, Sant'Andrea Hospital in Rome, Italy, and Niguarda Hospital in Milan, Italy
Subject	Epistemology.
Output	Peer-reviewed journal articles, Invited talks
Activity	<p>I have been involved in collaborative projects that focus on enhancing clinical research methodologies and evidence-based practices:</p> <ul style="list-style-type: none"> ○ <i>The Power of Meta-Analysis in the Evidence-Based Framework</i>: Explored the value of meta-analysis within the evidence-based framework, in collaboration with Polytechnic of Milan and the University of Eastern Finland ○ <i>Foundations of Clinical Reasoning</i>: Editor of a Special Issue aimed at investigating the foundation of clinical reasoning, in collaboration with the University of Ferrara and the Polytechnic of Milan ○ <i>The role of randomization in clinical trial design</i>:: Examined the role of randomization in both Bayesian and frequentist design of clinical trials, working in collaboration with the University of Padova

- Subject **Surveillance Systems in Public Health for Risk Assessment.**
- Output Peer-reviewed journal articles, Funded projects, Software development, Public Engagement
- Activity I have contributed to several collaborative projects aimed at enhancing public health through predictive systems, data analysis, and surveillance
- *Predictive Healthcare Systems and AI for Epidemics*: Established predictive healthcare systems and artificial intelligence solutions for epidemic management to enhance health emergency preparedness as part of the [TrustAlert Project](#)
 - *COVID-19 Forecasting*: Developed Deep Learning models for spatio-temporal forecasting of new COVID-19 cases and hospital admissions to support decision-makers in managing epidemic outbreaks, in collaboration with the University of Reggio Emilia
 - *Health Behaviors in Adolescents*: Analysis of cross-sectional data to investigate health behaviours in 11-15 years old, in collaboration with the Health Behaviours in School-Aged Children Study ([HBSC](#)) International Network and the National Institute of Health
 - *Treatment outcome models for Registry data*: Developing analysis tools to assess the treatment outcomes within: (i) the Human Growth Hormone Piemonte Registry, (ii) Amyotrophic lateral sclerosis Piedmont Registry
 - *Injury Surveillance System*: Established surveillance System on Suffocation Injuries Due to Foreign Bodies in European Children ([Susy Safe](#)), within DG SANCO EU project and utilized information extraction approaches on unconventional data sources like newspaper clipping for injury surveillance system

Clinical Trial Protocols.

Following is the list of most recent protocols in which I have the role of leading biostatistician

- A national multicentre pediatric framework and digital infrastructure to foster a genomic approach for children and adolescents with high-risk solid tumors (Genom-ACT) (2024). Promoter: University Hospital, City of Science and Health of Torino
- SAFety and diagnostic perFormance of CT-guided transthoracic corE needle biopsy in patients with Interstitial Lung Abnormalities (SAFE-ILA) (2024). Promoter: Department of Oncology, University of Torino
- Renewed memory: neurobiological and clinical correlates of prolonged grief in relatives of deceased cancer patients (2024). Promoter: University Hospital, City of Science and Health of Torino
- In-vivo Radiomics study of pulmonary lEsions diagnosed with CT-guided percutaneouS needle biopsy: impact of radiation dOse LeVels and rEconstruction parameters (RESOLVE) (2024). Promoter: Department of Oncology, University of Torino
- How our lifestyle changes. Our Research. Your Health (MINERVA) (2023)
- Mirror Neuron System and Rehabilitation: action observation can improve balance control in pediatric patients subject to allogeneic transplantation of hemopoietic stem cells. (2022). Promoter: University Hospital, City of Science and Health of Torino
- Interaction between gut microbiota and tyrosine kinase inhibitors in defining the clinical outcomes of patients with Chronic Myeloid Leukemia (2022). Promoter: Department of Clinical and Biological Sciences, University of Torino
- Obinutuzumab treatment for IgM-related polyneuropathies: a monocentric trial for interdisciplinary clinico-molecular characterization and evaluation of response (2022)
- Involving Operators in Bed Enhancement Development - I.O. BED (2022)
- Use of the GAS scale for active involvement of patients and family in identifying functional goals during hospitalization in CTCS: a randomized controlled study - GAS IN TRANSPLANTATION (GAST) (2021). Promoter: University Hospital, City of Science and Health of Torino

- Technological assessment on pathological Complete Response and Major Pathological Response in routine pathology reports of resected early stage lung cancer patients after neoadjuvant therapy (2021). Promoter: Department of Clinical and Biological Sciences, University of Torino
- Cytoreductive surgery and pressurized intraperitoneal aerosol chemotherapy: feasibility and safety of the combined approach: PLUS Study (2021). Promoter: Cancer Research Institute, Candiolo (Torino)
- Psycho-emotional impact of preoperative counseling in the context of cervicocarcinoma screening programs (2021). Promoter: University Hospital, City of Science and Health of Torino
- Observational Study in Adult Patients with Chronic Myeloid Leukemia who discontinue Tyrosine Kinase Inhibitors in Italy (2020). Promoter: Department of Clinical and Biological Sciences, University of Torino
- Retrospective-Prospective Observational Study on the Rehabilitation Evaluation of Pediatric Patients suffering from oncological pathology (2018). Sponsor: University Hospital, City of Science and Health of Torino
- A Phase I, dose-escalation study of Cisplatin applied as Pressurized Intraperitoneal Aerosol Chemotherapy (PIPAC) for the treatment of peritoneal carcinomatosis (2017). Promoter: Cancer Research Institute, Candiolo (Torino)

Conferences

Invited Speaker

- 30 Jan 2025 **Rolling Stone - The second milestone meeting**, *San Luigi Gonzaga University Hospital/Rivoli Hospital*, Torino, Italy.
Role: Discussant 🌐
- 29 Jan 2025 **Chronic Myeloid Leukemia Workshop**, *University of Torino*, Torino, Italy.
Title: Patient Preferences for better care 🌐
- 2 Dec 2024 **Gynecological Tumors: Diagnosis and Treatment Strategies in the Oncology Network**, *AOU Città della Salute e della Scienza, PO S. Anna, University of Torino*, Torino, Italy.
Title: The role of Artificial Intelligence in Gynecologic Oncology 🌐
- 1 May 2024 **CRUK Research Dissemination Workshop**, *Cancer Research UK*, Bath, UK.
Title: Enhancing Bayesian two-endpoints adaptive design with semiparametric priors 🌐
- 21 Apr 2024 **58th Annual Meeting EDEG Conference**, *European Diabetes Epidemiology Group (EDEG)*, Pesaro, Italy.
Title: The Potential of AI and Machine Learning in Precision Medicine and Healthcare: Addressing Methodological, Ethical, and Regulatory Challenges to Promote Good Research Practices
- 26 Feb 2024 **Journal Club - I mitici**, *Multicenter Italian Trials in Ovarian Cancer and Gynecologic Malignancies Group*, Webinar.
Title: Clinical Trials through AI-Generated Synthetic Patients: A Data-Driven Approach to Efficiency
- 30 Jan 2024 **Understanding the importance of the Patient Preference**, *Italian Society of Pharmaceutical Medicine*, Webinar.
Title: The role of patient preferences into clinical studies and model decisions
- 4 Apr 2023 **Department of Cardiac, Thoracic and Vascular Sciences Seminar Series**, *University of Padova*, Italy.
Title: The Impact of Cutting-Edge Techniques on the Near Future of Biostatistics and Healthcare
- 26 Oct 2022 **XXIX National SID Congress**, *Italian Society of Diabetology (SID)*, Rimini, Italy.
Title: AI, Network Medicine and Machine Learning: novel approach for precision medicine?
- 21 Oct 2022 **Intermediate SISMEC Congress**, *Italian Society of Medical Statistics and Clinical Epidemiology (SISMEC)*, Napoli, Italy.

- Title: Efficient clinical trials in healthcare emergencies: advantages and challenges in their design
- 24 Jun 2022 **Workshop on Uncertainty in the Sciences**, *Scientific event of the BRIO Project (PRIN project)*, Polytechnic of Milan, Italy.
- Title: Prediction of treatment outcome and modelling uncertainty in clinical trials under a personalized medicine perspective
- 23 Jul 2021 **Teaching Probability and Statistics Workshop**, *Italian Mathematics Union*, Webinar.
- Title: Teaching Probability and Statistics in Medical School
- May 2021 **Winter School PhD Medical Student**, *organized by the PhD Doctoral School Translational Specialist Medicine "G.B. Morgagni"*, University of Padova, Webinar.
- Title: Predicting COVID-19 epidemic behavior via Deep Learning approaches
- 2020 **COVID-19: Statistical and epidemiological models for epidemic phase 2 and potential long-term effects of lockdown workshop**, *Italian Society of Pharmaceutical Medicine*, Webinar.
- Title: The impact of public health actions against COVID-19
- Apr 2019 **Toward a glossary of vulnerabilities: interdisciplinary aspect**, *Dept of Architecture and Urban Studies Seminar Series*, Polytechnic of Milan, Italy.
- Title: Determinant of risk: hazard, exposure and vulnerability
- 8 Nov 2019 **Workshop on Scientific Rationality & Strategic interaction**, *Scientific event of the Philipharm Project (ERC project)*, Bocconi University, Italy.
- Title: Can you believe the results of a meta-analysis? The heterogeneity, the power and the case of small meta-analyses
- 13 Mar 2019 **Science & More Talks**, *Center for Logic, Language and Cognition*, University of Torino, Italy.
- Title: Can you believe the results of a meta-analysis? The heterogeneity, the power and the case of small meta-analyses
- 22 Nov 2018 **IBIG Statistical Forum**, *Italian Society of Pharmaceutical Medicine (SIMEF) & Italian Biostatistics Group (IBIG)*, Padova, Italy.
- Title: Prior Distributions, Predictions, Probability of Success
- 28 Sept 2017 **IX BIAS Congress**, *Associated Industry Biometricians (BIAS) Association*, Parma, Italy.
- Title: Personalized Medicine for observational studies: targeted Machine Learning of causal effects
- 19 Sept 2015 **VIII Congress of the Italian Society of Medical Statistics and Clinical Epidemiology**, *Italian Society of Medical Statistics and Clinical Epidemiology*, Torino, Italy.
- Title: Semi-parametric Bayesian Models for Longitudinal Data
- 17 Nov 2011 **R User Group Meeting**, *Torino User Group*, Torino, Italy.
- Title: Showcase of R in Biostatistics
- 24 Mar 2010 **Workshop on Surveillance System on Suffocation Injuries due to Foreign Bodies EU-Project**, *Susy Safe Project funded by EU DG-SANCO EU*, Bruxelles, Belgium.
- Title: Guidelines to prevention of Surveillance System on Suffocation Injuries due to Foreign Bodies. Statistical considerations
- 10 Nov 2009 **Department of Cardiac, Thoracic and Vascular Sciences Seminar Series**, *University of Padova*, Italy.
- Title: Skellam Model for Continuous Reassessment of ICU Performance
- 16 Sept 2009 **V SISMEC Congress**, *Italian Society of Medical Statistics and Clinical Epidemiology (SISMEC)*, Pavia, Italy.
- Title: Innovative Clinical Trials Designs: Critical Aspects and Recommendations
- 17 Oct 2009 **14th Alpe-Adria Young Statistician Meeting**, *Basovizza*, Italy.
- Title: Flexibility of Bayesian Generalized Linear Mixed Models for Oral Health Research

- 5 Nov 2005 **10th Alpe-Adria Young Statistician Meeting**, *Seggau*, Austria.
 Title: Inference from mitochondrial DNA data in forensic identification
[Contributed presentations](#)
- 19 May 2021 **42nd SCT Annual Meeting**, *Society of Clinical Trials*, Virtual Meeting.
 Title: Prediction of Treatment Outcome in Clinical Trials: A Machine Learning approach
- 22 May 2018 **39th SCT Annual Meeting**, *Society of Clinical Trials*, Portland (OR), US.
 Title: Objective inference to adjust for baseline covariates in the analysis of RCTs for increasing efficiency
- 8 May 2017 **4th International Clinical Trials Methodology Conference & 38th SCT Annual Meeting**, *Society of Clinical Trials*, Liverpool, UK.
 Title: Single Agent trastuzumab or lapatinib to treat HER2-overexpressing breast cancer: combining past and current evidence in a Bayesian re-analysis
- 12 Jun 2014 **46th SIS Annual Meeting**, *Italian Statistical Society*, Cagliari, Italy.
 Title: Spatial Modeling for air pollution epidemiology: hospital admission risk for cardio-respiratory diseases in Torino province
- 27 Jun 2013 **Italian IBS Meeting**, *Italian Biometric Society*, Bressanone, Italy.
 Title: Incorporating prior elicitation in a Bayesian predictive two-stage design for phase II clinical trials
- 18 Jun 2012 **21th Europe- SRA Conference**, *Europe - Society of Risk Analysis*, Zurich, Switzerland.
 Title: Comparing Bayesian network, artificial neural networks, classification trees and classical logistic models in quantitative risk assessment
- 8 Jul 2011 **21th International Conference on Childhood Obesity**, *CIOI - Research in Childhood Obesity*, Lisboa, Portugal.
 Title: Understanding Childhood obesity: a data-driven approach based on Bayesian networks
- 29 Jun 2009 **18th Europe- SRA Conference**, *Europe - Society of Risk Analysis*, Karlstadt, Sweden.
 Title: Comparing Adaptive Bayesian Network, Artificial Neural Networks, Classification Trees and Classical Logistic Models in Quantitative Risk Assessment: the Case Study of Foreign Body Injuries in Children
- 7 Oct 2007 **48th Annual Meeting of the European Society for Paediatric Research**, *European Society for Paediatric Research*, Prague, Czech Republic.
 Title: Epidemiology of Foreign Body Injuries in Children using a Data-Driven Bayesian Network
- 21 Sept 2007 **IV SISMEC Congress**, *Italian Society of Medical Statistics and Clinical Epidemiology (SISMEC)*, Palermo, Italy.
 Title: Multivariate adaptive regression splines for predicting burn patients mortality
- 10 Sept 2007 **Austro-Swiss BS Meeting**, *Austro-Swiss Biometric Society*, Bern, Switzerland.
 Title: Bayesian Networks for pathological scarring due to burn injuries
- 1 Jul 2007 **6th European Congress Oto-Rhino-Laryngology Head and Neck Surgery**, *European Oto-Rhino-Laryngology Head and Neck Surgery Society*, Wien, Austria.
 Title: Foreign body injuries in children: the Susy Safe Project
- 8 Aug 2006 **Joint Statistical Meeting**, *American Statistical Association*, Seattle, US.
 Title: A comparison of Bayesian Networks and MCMC techniques for quantitative risk assessment
- 27 Jul 2006 **International Federation of Classification Societies Conference**, *International Federation of Classification Societies*, Ljubljana, Slovenia.
 Title: Bayesian Models for Safety Design to Prevent Foreign Body Injuries in Children
- 18 Jul 2006 **IBS Conference**, *International Biometric Society Conference*, Montreal, Canada.
 Title: Bayesian Models for Safety Design to Prevent Foreign Body Injuries in Children

- Title: Total Quality Test to Overcome Workers's Inadequacies: An Application in an Italian Hospital
30 May 2006 **Statistical Model for Biological and Technical Systems Conference**, *Institute of Mathematical Statistics*, Lymassol, Cyprus.
- Title: Bayesian Models for Safety Design to Prevent Foreign Body Injuries in Children
6 Apr 2006 **2nd International Seminar on Injury Research Methods**, *International Society for Violence and Injury Prevention*, Cape Town, South Africa.
- Title: Bayesian Networks for quantitative risk assessment of foreign body injuries in children

Recent publications

Journal Articles

- 2024 E. Tirtei, A. Campello, V. Sciannameo, S.D. Asaftei, C. Meazza, G. Sironi, A. Longhi, T. Ibrahim, A. Tamburini, L. Coccoli, F. Crocco, C. Cagnazzo, E. De Luna, P. Quarello, **Berchialla, P.**, and F. Fagioli. Prolonged 14-day continuous infusion of high-dose ifosfamide for patients with relapsed and refractory high-grade osteosarcoma: a retrospective multicentre cohort study. *BMC Cancer*, 2024, volume 24, [10.1186/s12885-024-12498-x](https://doi.org/10.1186/s12885-024-12498-x).
- 2024 V. Sciannameo, D.J. Pagliari, S. Urru, P. Grimaldi, H. Ocagli, S. Ahsani-Nasab, R.I. Comoretto, D. Gregori, and **Berchialla, P.** Information extraction from medical case reports using openai instructgpt. *Computer Methods and Programs in Biomedicine*, 2024, volume 255, [10.1016/j.cmpb.2024.108326](https://doi.org/10.1016/j.cmpb.2024.108326).
- 2024 F. Rossi, M. Valle, G. Galeoto, M. Tofani, **Berchialla, P.**, V. Sciannameo, D. Bertin, A. Calcagno, R. Casalaz, M. Cerboneschi, M. Cervo, A. Cornelli, C. Di Pede, M. Esposito, M. Ferrarese, P. Imazio, M. Lorenzon, L. Longo, A. Martinuzzi, G. Naretto, N. Orsini, D. Panzeri, C. Pellegrini, M. Peranzoni, F. Picone, M. Rabusin, F. Ricci, C. Zigrino, G. Zucchetti, and F. Fagioli. Internal consistency and floor/ceiling effects of the gross motor function measure for use with children affected by cancer: A cross-sectional study. *Current Oncology*, 2024, volume 31, pages 5291–5306, [10.3390/curroncol31090390](https://doi.org/10.3390/curroncol31090390).
- 2024 A. Pierri, S. Albani, M. Merlo, A.L. Buongiorno, A. Ricotti, G. Grilli, D. Barbisan, S. Grossi, C. De Rosa, B. Mabritto, S. Luceri, S. Bongioanni, F. Negri, M. Burelli, M. Millesimo, F. Biondi, M. Cireddu, J. Berg, M.B. Musumeci, P. Di Donna, P.F. Vianello, A. Del Franco, M. Scaglione, G. Barbatì, S. Urru, **Berchialla, P.**, G.M. De Ferrari, V. Russo, E. Agricola, M. Imazio, I. Porto, M. Canepa, G. Peretto, P. Francia, D. Castagno, C. Autore, I. Olivotto, F. Gaita, G. Sinagra, and G. Musumeci. Transcatheter ablation of atrial fibrillation in patients with hypertrophic cardiomyopathy: A multicenter propensity score-based analysis. *JACC: Advances*, 2024, volume 3, [10.1016/j.jacadv.2024.100899](https://doi.org/10.1016/j.jacadv.2024.100899).
- 2024 V. Masoni, F. Giustra, F. Bosco, L. Camarda, G. Rovere, V. Sciannameo, **Berchialla, P.**, and A. Massè. Surgical treatment of popliteomeniscal fascicles tears is associated with better patient-reported outcome measures. a systematic review and meta-analysis. *European Journal of Orthopaedic Surgery and Traumatology*, 2024, volume 34, pages 9–20, [10.1007/s00590-023-03645-4](https://doi.org/10.1007/s00590-023-03645-4).
- 2024 G. Lorenzoni, D. Gregori, S. Bressan, H. Ocagli, D. Azzolina, L. Da Dalt, and **Berchialla, P.** Use of a large language model to identify and classify injuries with free-text emergency department data. *JAMA Network Open*, 2024, page E2413208, [10.1001/jamanetworkopen.2024.13208](https://doi.org/10.1001/jamanetworkopen.2024.13208).
- 2024 L. Charrier, A. Vieno, N. Canale, T. ter Bogt, R.I. Comoretto, E. Koumantakis, M. Lenzi, and **Berchialla, P.** Can we predict adolescent cannabis use? a bayesian semi-parametric approach to project future trends. *Addictive Behaviors*, 2024, volume 154, [10.1016/j.addbeh.2024.108009](https://doi.org/10.1016/j.addbeh.2024.108009).
- 2024 A. Bovero, R. Botto, E. Mellano, F. Gottardo, **Berchialla, P.**, S. Carletto, and G.C. Gemiani. Loss of personal autonomy and dignity-related distress in end-of-life cancer patients. *American Journal of Hospice and Palliative Medicine*, 2024, volume 41, pages 179–186, [10.1177/10499091231166373](https://doi.org/10.1177/10499091231166373).

- 2024 M. Boer, C. Moreno-Maldonado, M. Dierckens, M. Lenzi, C. Currie, C. Residori, L. Bosáková, **Berchialla, P.**, T. Eida, and G. Stevens. The implications of the covid-19 pandemic for the construction of the family affluence scale: Findings from 16 countries. *Child Indicators Research*, 2024, volume 17, pages 395–418, [10.1007/s12187-023-10082-6](https://doi.org/10.1007/s12187-023-10082-6).
- 2024 M. Bersia, E. Koumantakis, R.I. Comoretto, P. Dalmasso, E. Ferracin, L. Charrier, and **Berchialla, P.** Temporal trends of suicidality among hospitalised adolescents during covid-19 pandemic: A bayesian framework. *Journal of Psychiatric Research*, 2024, volume 179, pages 56–59, [10.1016/j.jpsychires.2024.09.007](https://doi.org/10.1016/j.jpsychires.2024.09.007).
- 2024 M. Arosio, V. Sciannameo, A. Contarino, **Berchialla, P.**, S. Puglisi, A.C. Pesatori, E. Ferrante, M. Filopanti, R. Pivonello, F. Dassie, V. Rochira, S. Cannavò, E. De Menis, F. Pigliaru, S. Grottoli, V. Cambria, M. Faustini-Fustini, M. Montini, A. Peri, F. Ceccato, E. Puxeddu, G. Borretta, M. Bondanelli, D. Ferone, A. Colao, M. Terzolo, and G. Reimondo. Disease control of acromegaly does not prevent excess mortality in the long term: results of a nationwide survey in italy. *Journal of Endocrinological Investigation*, 2024, volume 47, pages 1457–1465, [10.1007/s40618-023-02257-3](https://doi.org/10.1007/s40618-023-02257-3).
- 2023 E. Versino, **Berchialla, P.**, S. Urru, L. Simionato, F. Bidoggia, and D. Lembo. ‘introduction to taking care’ clerkship at the degree in medicine & surgery programme in orbassano (university of torino): Results from the sentiment analysis of the logbooks. *Medicina Nei Secoli*, 2023, volume 1, pages 55–66, [10.13133/2531-7288/2717](https://doi.org/10.13133/2531-7288/2717).
- 2023 M. Vaira, M. Robella, M. Guaglio, **Berchialla, P.**, A. Sommariva, M. Valle, E.M. Pasqual, F. Roviello, M. Framarini, G. Fiorentini, P. Sammartino, A. Ilari Civit, A. Di Giorgio, L. Ansaloni, and M. Deraco. Diagnostic and therapeutic algorithm for appendiceal tumors and pseudomyxoma peritonei: A consensus of the peritoneal malignancies oncoteam of the italian society of surgical oncology (sico). *Cancers*, 2023, volume 15, [10.3390/cancers15030728](https://doi.org/10.3390/cancers15030728).
- 2023 M. Terzolo, M. Fassnacht, P. Perotti, R. Libé, D. Kastelan, A. Lacroix, W. Arlt, H.R. Haak, P. Loli, B. Decoudier, H. Lasolle, M. Quinkler, M. Haissaguerre, O. Chabre, P. Caron, A. Stigliano, R. Giordano, M.C. Zatelli, I. Bancos, M.C.B.V. Fragoso, L. Canu, M. Luconi, S. Puglisi, V. Basile, G. Reimondo, M. Kroiss, F. Megerle, S. Hahner, O. Kimpel, T. Dusek, S. Nölting, I. Bourdeau, V. Chortis, M.H. Ettaieb, D. Cosentini, S. Grisanti, E. Baudin, **Berchialla, P.**, F. Bovis, M.P. Sormani, P. Bruzzi, F. Beuschlein, J. Bertherat, and A. Berruti. Adjuvant mitotane versus surveillance in low-grade, localised adrenocortical carcinoma (adiuvo): an international, multicentre, open-label, randomised, phase 3 trial and observational study. *The Lancet Diabetes and Endocrinology*, 2023, volume 11, pages 720–730, [10.1016/S2213-8587\(23\)00193-6](https://doi.org/10.1016/S2213-8587(23)00193-6).
- 2023 V. Sciannameo, D. Azzolina, C. Lanera, A.Ş. Acar, M.A. Corciulo, R.I. Comoretto, **Berchialla, P.**, and D. Gregori. Fitting early phases of the covid-19 outbreak: A comparison of the performances of used models. *Healthcare (Switzerland)*, 2023, volume 11, [10.3390/healthcare11162363](https://doi.org/10.3390/healthcare11162363).
- 2023 M. Robella, M. Tonello, **Berchialla, P.**, V. Sciannameo, A.M. Ilari Civit, A. Sommariva, C. Sasaroli, A. Di Giorgio, R. Gelmini, V. Ghirardi, F. Roviello, F. Carboni, P.V. Lippolis, S. Kusamura, and M. Vaira. Enhanced recovery after surgery (eras) program for patients with peritoneal surface malignancies undergoing cytoreductive surgery with or without hipec: A systematic review and a meta-analysis. *Cancers*, 2023, volume 15, [10.3390/cancers15030570](https://doi.org/10.3390/cancers15030570).
- 2023 F. Rigo, N. De Stefano, D. Patrono, V. De Donato, L. Campi, D. Turturica, T. Doria, V. Sciannameo, **Berchialla, P.**, F. Tandoi, and R. Romagnoli. Impact of hypothermic oxygenated machine perfusion on hepatocellular carcinoma recurrence after liver transplantation. *Journal of Personalized Medicine*, 2023, volume 13, [10.3390/jpm13050703](https://doi.org/10.3390/jpm13050703).
- 2023 P. Quarello, A. Toss, **Berchialla, P.**, M. Mascarin, M. Lambertini, M. Canesi, G.M. Milano, L. Incorvaia, G.L. Banna, F. Peccatori, and A. Ferrari. Healthcare professional communication on sexual health: A report from the italian working group on adolescents and young adults with cancer. *Oncologist*, 2023, volume 28, pages E884–E890, [10.1093/oncolo/oyad175](https://doi.org/10.1093/oncolo/oyad175).

- 2023 S. Puglisi, A. Calabrese, F. Ferraù, M.A. Violi, M. Laganà, S. Grisanti, F. Ceccato, C. Scaroni, G. Di Dalmazi, A. Stigliano, B. Altieri, L. Canu, P. Loli, R. Pivonello, E. Arvat, V. Morelli, P. Perotti, V. Basile, **Berchialla, P.**, S. Urru, C. Fiori, F. Porpiglia, A. Berruti, A. Pia, G. Reimondo, S. Cannavò, and M. Terzolo. New findings on presentation and outcome of patients with adrenocortical cancer: Results from a national cohort study. *Journal of Clinical Endocrinology and Metabolism*, 2023, volume 108, pages 2517–2525, [10.1210/clinem/dgad199](https://doi.org/10.1210/clinem/dgad199).
- 2023 A. Moroni, R. Degan, B. Martin, V. Sciannameo, **Berchialla, P.**, G. Gilli, and M. Micheletti Cremasco. Effectiveness of workplace health promotion (whp) interventions in university employees: A scoping review. *Health Promotion International*, 2023, volume 38, [10.1093/heapro/daac171](https://doi.org/10.1093/heapro/daac171).
- 2023 G. Lorenzoni, D. Azzolina, A.Ş. Acar, L. Silvestri, **Berchialla, P.**, and D. Gregori. Understanding the factors affecting covid-19 mortality in italy: Does a relationship exist with a sharp increase in intensive care unit admissions? *Disaster Medicine and Public Health Preparedness*, 2023, volume 17, [10.1017/dmp.2021.314](https://doi.org/10.1017/dmp.2021.314).
- 2023 M. Lenzi, F.J. Elgar, C. Marino, N. Canale, A. Vieno, **Berchialla, P.**, G.W.J.M. Stevens, M. Boniel-Nissim, R.J.J.M. van den Eijnden, and N. Lyyra. Can an equal world reduce problematic social media use? evidence from the health behavior in school-aged children study in 43 countries. *Information Communication and Society*, 2023, volume 26, pages 2753–2774, [10.1080/1369118X.2022.2109981](https://doi.org/10.1080/1369118X.2022.2109981).
- 2023 E. Koumantakis, R.I. Comoretto, P. Dalmaso, M. Bersia, P. Lemma, G. Lazzeri, P. Nardone, A. Vieno, T. Galeotti, **Berchialla, P.**, and L. Charrier. Risk behaviors among migrant adolescents in italy. *Children*, 2023, volume 10, [10.3390/children10111816](https://doi.org/10.3390/children10111816).
- 2023 J. Kopecka, A. Barbanente, D. Vitone, F. Arnesano, N. Margiotta, **Berchialla, P.**, M. Niso, C. Riganti, and C. Abate. Cytotoxic pathways activated by multifunctional thiosemicarbazones targeting sigma-2 receptors in breast and lung carcinoma cells. *Pharmacological Reports*, 2023, volume 75, pages 1588–1596, [10.1007/s43440-023-00531-y](https://doi.org/10.1007/s43440-023-00531-y).
- 2023 P. Grimaldi, M. Lorenzati, M. Ribodino, E. Signorino, A. Buffo, and **Berchialla, P.** Predicting astrocytic nuclear morphology with machine learning: A tree ensemble classifier study. *Applied Sciences (Switzerland)*, 2023, volume 13, [10.3390/app13074289](https://doi.org/10.3390/app13074289).
- 2023 S. Gonella, V. Dimonte, Y. Arnone, B. Albanesi, **Berchialla, P.**, P. Di Giulio, and J.T. van der Steen. Interventions to promote end-of-life conversations: A systematic review and meta-analysis. *Journal of Pain and Symptom Management*, 2023, volume 66, pages e365–e398, [10.1016/j.jpainsymman.2023.05.001](https://doi.org/10.1016/j.jpainsymman.2023.05.001).
- 2023 S. Gonella, P. Di Giulio, **Berchialla, P.**, M. Bo, P. Cotogni, G. Macchi, S. Campagna, and V. Dimonte. The impact of health and social care professionals' education on the quality of serious illness conversations in nursing homes: Study protocol of a quality improvement project. *International Journal of Environmental Research and Public Health*, 2023, volume 20, [10.3390/ijerph20010725](https://doi.org/10.3390/ijerph20010725).
- 2023 F. Giustra, A. Bistolfi, F. Bosco, N. Fresia, L. Sabatini, **Berchialla, P.**, V. Sciannameo, and A. Massè. Highly cross-linked polyethylene versus conventional polyethylene in primary total knee arthroplasty: comparable clinical and radiological results at a 10-year follow-up. *Knee Surgery, Sports Traumatology, Arthroscopy*, 2023, volume 31, pages 1082–1088, [10.1007/s00167-022-07226-6](https://doi.org/10.1007/s00167-022-07226-6).
- 2023 L. Charrier, R.I. Comoretto, M. Bersia, P. Dalmaso, E. Koumantakis, A. Borraccino, A. Baban, **Berchialla, P.**, and P. Lemma. Who stays, who moves on and the host population: A picture of adolescents' perceived well-being and risk behaviours. *International Journal of Environmental Research and Public Health*, 2023, volume 20, [10.3390/ijerph20105902](https://doi.org/10.3390/ijerph20105902).
- 2023 R. Cenna, M. Basiricò, **Berchialla, P.**, N. Bertorello, C. Cagnazzo, V. Ceolin, E. De Luna, C. Nolis, F. Resente, and F. Fagioli. Off-label and compassionate use of targeted anticancer therapies: The experience of an italian pediatric cancer center. *Pediatric Blood and Cancer*, 2023, volume 70, [10.1002/pbc.30148](https://doi.org/10.1002/pbc.30148).

- 2023 A. Calabrese, S. Puglisi, C. Borin, V. Basile, P. Perotti, A. Pia, **Berchiolla, P.**, M. Volante, C. Fiori, F. Porpiglia, A. Veltri, G. Reimondo, and M. Terzolo. The management of postoperative disease recurrence in patients with adrenocortical carcinoma: a retrospective study in 106 patients. *European journal of endocrinology*, 2023, volume 188, [10.1093/ejendo/lvad002](https://doi.org/10.1093/ejendo/lvad002).
- 2023 C.A. Artusi, E. Montanaro, R. Erro, N. Margraf, C. Geroin, A. Pilotto, L. Magistrelli, F. Spagnolo, A. Marchet, L. Sarro, S. Cuoco, M. Sacchetti, M. Riello, B. Capellero, **Berchiolla, P.**, B. Moeller, B. Vullriede, M. Zibetti, A.M. Rini, P. Barone, C. Comi, A. Padovani, M. Tinazzi, and L. Lopiano. Visuospatial deficits are associated with pisa syndrome and not camptocormia in parkinson's disease. *Movement Disorders Clinical Practice*, 2023, volume 10, pages 64–73, [10.1002/mdc3.13605](https://doi.org/10.1002/mdc3.13605).
- 2022 L. Vetrugno, F. Mojoli, E. Boero, **Berchiolla, P.**, E.G. Bignami, D. Orso, A. Cortegiani, F. Forfori, F. Corradi, G. Cammarota, E. De Robertis, S. Mongodi, D. Chiumello, D. Poole, M. Ippolito, D.G. Biasucci, P. Persona, T. Bove, L. Ball, P. Pelosi, P. Navalesi, M. Antonelli, A. Corcione, A. Giarratano, and F. Petrini. Level of diffusion and training of lung ultrasound during the covid-19 pandemic - a national online italian survey (italus) from the lung ultrasound working group of the italian society of anesthesia, analgesia, resuscitation, and intensive care (siaarti). *Ultraschall in der Medizin*, 2022, volume 43, pages 464–472, [10.1055/a-1634-4710](https://doi.org/10.1055/a-1634-4710).
- 2022 S. Urru, V. Sciannameo, C. Lanera, S. Salaris, D. Gregori, and **Berchiolla, P.** A topic trend analysis on covid-19 literature. *Digital Health*, 2022, volume 8, [10.1177/20552076221133696](https://doi.org/10.1177/20552076221133696).
- 2022 V. Sciannameo, G.P. Fadini, D. Bottigliengo, A. Avogaro, I. Baldi, D. Gregori, and **Berchiolla, P.** Assessment of glucose lowering medications' effectiveness for cardiovascular clinical risk management of real-world patients with type 2 diabetes: Targeted maximum likelihood estimation under model misspecification and missing outcomes. *International Journal of Environmental Research and Public Health*, 2022, volume 19, [10.3390/ijerph192214825](https://doi.org/10.3390/ijerph192214825).
- 2022 F. Rossi, G. Zucchetti, M. Esposito, **Berchiolla, P.**, V. Sciannameo, E. Vassallo, F. Saglio, C. Chamorro Viña, S. Scarrone, R. Vittorini, and F. Fagioli. Rehabilitation in children and adolescents undergoing stem cell transplantation: A pilot study focused on motor performance. *European Journal of Cancer Care*, 2022, volume 31, [10.1111/ecc.13711](https://doi.org/10.1111/ecc.13711).
- 2022 M. Robella, M. Hubner, O. Sgarbura, M. Reymond, V. Khomiakov, A. di Giorgio, A. Bhatt, N. Bakrin, W. Willaert, M. Alyami, H. Teixeira, A. Kaprin, F. Ferracci, G. De Meeus, **Berchiolla, P.**, M. Vaira, L. Villeneuve, D. Cortés-Guiral, M. Nowacki, J. So, J. Abba, A. Afifi, M.B. Mortensen, A. Brandl, W. Ceelen, J. Coget, T. Courvoiser, I.H. de Hingh, J.-B. Delhorme, F. Dumont, C. Escayola, C. Eveno, A.-C. Ezanno, J. Gagnière, J. Galindo, T. Glatz, O. Glehen, T. Jäger, V. Kepenekian, K. Kothonidis, K. Lehmann, C. Lynch, S. Mehta, B. Moldovan, A. Nissan, D. Orry, G.O. Pérez, B. Paquette, M. Paskonis, P. Piso, M. Pocard, B. Rau, S. Singh, S.P. Somashekhar, C. Soravia, A. Taibi, J. Torkington, G. Vizzielli, and ISSPP PIPAC study group. Feasibility and safety of pipac combined with additional surgical procedures: Plus study. *European Journal of Surgical Oncology*, 2022, volume 48, pages 2212–2217, [10.1016/j.ejso.2022.05.001](https://doi.org/10.1016/j.ejso.2022.05.001).
- 2022 S. Puglisi, M. Leporati, E. Amante, A. Parisi, A.R. Pia, **Berchiolla, P.**, M. Terzolo, M. Vincenti, and G. Reimondo. Limited role of hair cortisol and cortisone measurement for detecting cortisol autonomy in patients with adrenal incidentalomas. *Frontiers in Endocrinology*, 2022, volume 13, [10.3389/fendo.2022.833514](https://doi.org/10.3389/fendo.2022.833514).
- 2022 D. Pierannunzio, A. Spinelli, **Berchiolla, P.**, A. Borraccino, L. Charrier, P. Dalmasso, G. Lazzeri, A. Vieno, S. Ciardullo, and P. Nardone. Physical activity among italian adolescents: Association with life satisfaction, self-rated health and peer relationships. *International Journal of Environmental Research and Public Health*, 2022, volume 19, [10.3390/ijerph19084799](https://doi.org/10.3390/ijerph19084799).

- 2022 D. Patrono, D. Cussa, V. Sciannameo, E. Montanari, R. Panconesi, **Berchiolla, P.**, M. Lepore, A. Gambella, G. Rizza, G. Catalano, S. Mirabella, F. Tandoi, F. Lupo, R. Balagna, M. Salizzoni, and R. Romagnoli. Outcome of liver transplantation with grafts from brain-dead donors treated with dual hypothermic oxygenated machine perfusion, with particular reference to elderly donors. *American Journal of Transplantation*, 2022, volume 22, pages 1382–1395, [10.1111/ajt.16996](#).
- 2022 M. Muratore, A. Coniglio, A. Ferrera, S. Legrenzi, C. Guidotti, **Berchiolla, P.**, M. Abbate, P. Viglierchio, and A. Bistolfi. Are there preoperative factors associated with negative long-term results after standard lumbar microdiscectomy? a retrospective study of 97 cases at 5 years follow-up. *Minerva Orthopedics*, 2022, volume 73, pages 496–502, [10.23736/S2784-8469.22.04237-7](#).
- 2022 G. Lorenzoni, D. Azzolina, E. Maresio, S. Gallipoli, M. Ghidina, S. Baldas, **Berchiolla, P.**, M.C. Giron, M. Silano, and D. Gregori. Impact of the covid-19 lockdown on psychological health and nutritional habits in italy: Results from the prestoinsieme study. *BMJ Open*, 2022, volume 12, [10.1136/bmjopen-2021-048916](#).
- 2022 C. Lanera, D. Azzolina, F. Pirotti, I. Prosepe, G. Lorenzoni, **Berchiolla, P.**, and D. Gregori. A web-based application to monitor and inform about the covid-19 outbreak in italy: The COVID-19ita initiative. *Healthcare (Switzerland)*, 2022, volume 10, [10.3390/healthcare10030473](#).
- 2022 D. Lacerenza, G. Caudullo, E. Chierito, S. Aneli, G. Di Vella, M. Barberis, S. Voyron, **Berchiolla, P.**, and C. Robino. Evaluation of the effects of different sample collection strategies on dna/rna co-analysis of forensic stains. *Genes*, 2022, volume 13, [10.3390/genes13060983](#).
- 2022 S. Gonella, M. Clari, A. Conti, L. Simionato, C. Tassone, **Berchiolla, P.**, and S. Campagna. Interventions to reduce arterial puncture-related pain: A systematic review and meta-analysis. *International Journal of Nursing Studies*, 2022, volume 126, [10.1016/j.ijnurstu.2021.104131](#).
- 2022 L. Giordano, A. Francavilla, C. Lanera, S. Urru, **Berchiolla, P.**, and I. Baldi. Building infrastructure to exploit evidence from patient preference information (ppi) studies: A conceptual blueprint. *Applied Sciences (Switzerland)*, 2022, volume 12, [10.3390/app12147278](#).
- 2022 S. De Francia, D. Mancardi, **Berchiolla, P.**, T. Armando, S. Storto, S. Allegra, G. Soave, S. Racca, F. Chiara, J. Carnovale, L. Ciuffreda, and M.V. Mussa. Gender-specific side effects of chemotherapy in pancreatic cancer patients. *Canadian Journal of Physiology and Pharmacology*, 2022, volume 100, pages 371–377, [10.1139/cjpp-2021-0622](#).
- 2022 S. De Francia, **Berchiolla, P.**, T. Armando, S. Storto, S. Allegra, V. Sciannameo, G. Soave, A.E. Sprio, S. Racca, M.R. Caiaffa, L. Ciuffreda, and M.V. Mussa. Colorectal cancer chemotherapy: can sex-specific disparities impact on drug toxicities? *European Journal of Clinical Pharmacology*, 2022, volume 78, pages 1029–1038, [10.1007/s00228-022-03298-y](#).
- 2022 A. Conti, M. Clari, M. Luciani, V. Sciannameo, **Berchiolla, P.**, V. Dimonte, and S. Campagna. Exploring the use and usefulness of educational resources among nurses during the first wave of the covid-19 pandemic: A cross-sectional study. *Journal of Continuing Education in Nursing*, 2022, volume 53, pages 63–69, [10.3928/00220124-20220104-06](#).
- 2022 L. Charrier, M. Bersia, A. Vieno, R.I. Comoretto, M. Štelemėkas, P. Nardone, T. Baška, P. Dalmaso, and **Berchiolla, P.** Forecasting frequent alcohol use among adolescents in hbsc countries: A bayesian framework for making predictions. *International Journal of Environmental Research and Public Health*, 2022, volume 19, [10.3390/ijerph19052737](#).
- 2022 V. Carli, N.G. Petros, G. Hadlaczy, T. Vitcheva, **Berchiolla, P.**, S. Bianchi, S. Carletto, E. Christinaki, L. Citi, S. Dinis, C. Gentili, V. Geraldès, L. Giovinazzo, S. Gonzalez-Martinez, B. Meyer, L. Ostacoli, M. Ottaviano, S. Ouakinin, T. Papastylianou, R. Paradiso, R. Poli, I. Rocha, C. Settanta, E.P. Scilingo, and G. Valenza. The nevermind e-health system in the treatment of depressive symptoms among patients with severe somatic conditions: A multicentre, pragmatic randomised controlled trial. *eClinicalMedicine*, 2022, volume 48, [10.1016/j.eclinm.2022.101423](#).

- 2022 S. Carletto, M.C. Ariotti, G. Garelli, L. Di Noto, **Berchiolla, P.**, F. Malandrone, R. Guardione, F. Boarino, M.F. Campagnoli, P. Savant Levet, E. Bertino, L. Ostacoli, and A. Coscia. Moral distress and burnout in neonatal intensive care unit healthcare providers: A cross-sectional study in Italy. *International Journal of Environmental Research and Public Health*, 2022, volume 19, [10.3390/ijerph19148526](https://doi.org/10.3390/ijerph19148526).
- 2022 S. Campagna, A. Conti, V. Dimonte, **Berchiolla, P.**, A. Borraccino, and M.M. Gianino. Emergency department visits before, after and during integrated home care: A time series analyses in Italy. *International Journal of Health Policy and Management*, 2022, volume 11, pages 3012–3018, [10.34172/ijhpm.2022.6662](https://doi.org/10.34172/ijhpm.2022.6662).
- 2022 A. Bovero, A. Pidinchedda, F. Clovis, **Berchiolla, P.**, and S. Carletto. Psychosocial factors associated with complicated grief in caregivers during COVID-19: Results from a preliminary cross-sectional study. *Death Studies*, 2022, volume 46, pages 1433–1442, [10.1080/07481187.2021.2019144](https://doi.org/10.1080/07481187.2021.2019144).
- 2022 A. Bistolfi, F. Giustra, F. Bosco, C. Faccenda, M. Viotto, L. Sabatini, **Berchiolla, P.**, V. Sciannameo, E. Graziano, and A. Massè. Comparable results between crosslinked polyethylene and conventional ultra-high molecular weight polyethylene implanted in total knee arthroplasty: systematic review and meta-analysis of randomised clinical trials. *Knee Surgery, Sports Traumatology, Arthroscopy*, 2022, volume 30, pages 3120–3130, [10.1007/s00167-022-06879-7](https://doi.org/10.1007/s00167-022-06879-7).
- 2022 M. Bersia, L. Charrier, **Berchiolla, P.**, A. Cosma, R.I. Comoretto, and P. Dalmasso. The mental well-being of Italian adolescents in the last decade through the lens of the dual factor model. *Children*, 2022, volume 9, [10.3390/children9121981](https://doi.org/10.3390/children9121981).
- 2022 **Berchiolla, P.**, C. Lanera, V. Sciannameo, D. Gregori, and I. Baldi. Prediction of treatment outcome in clinical trials under a personalized medicine perspective. *Scientific Reports*, 2022, volume 12, [10.1038/s41598-022-07801-4](https://doi.org/10.1038/s41598-022-07801-4).
- 2022 V. Bellisario, R.I. Comoretto, **Berchiolla, P.**, E. Koumantakis, G. Squillacioti, A. Borraccino, R. Bono, P. Lemma, L. Charrier, and P. Dalmasso. The association between greenness and urbanization level with weight status among adolescents: New evidence from the HBS-C 2018 Italian survey. *International Journal of Environmental Research and Public Health*, 2022, volume 19, [10.3390/ijerph19105897](https://doi.org/10.3390/ijerph19105897).
- 2022 D. Azzolina, G. Lorenzoni, L. Silvestri, I. Prosepe, **Berchiolla, P.**, and D. Gregori. Regional differences in mortality rates during the COVID-19 epidemic in Italy. *Disaster Medicine and Public Health Preparedness*, 2022, volume 16, pages 1355–1361, [10.1017/dmp.2020.486](https://doi.org/10.1017/dmp.2020.486).
- 2022 D. Azzolina, R. Comoretto, C. Lanera, **Berchiolla, P.**, I. Baldi, and D. Gregori. COVID-19 hospitalizations and patients' age at admission: The neglected importance of data variability for containment policies. *Frontiers in Public Health*, 2022, volume 10, [10.3389/fpubh.2022.1002232](https://doi.org/10.3389/fpubh.2022.1002232).
- 2022 S. Aneli, M. Mezzavilla, E. Bortolini, N. Pirastu, G. Girotto, B. Spedicati, **Berchiolla, P.**, P. Gasparini, and L. Pagani. Impact of cultural and genetic structure on food choices along the Silk Road. *Proceedings of the National Academy of Sciences of the United States of America*, 2022, volume 119, [10.1073/pnas.2209311119](https://doi.org/10.1073/pnas.2209311119).
- 2021 F.D. Vigna-Taglianti, **Berchiolla, P.**, G. Nibbio, C. Mangiapane, N. Colombi, and F. Oliva. Reply to: "Letter to the editor: Cocaine use and cocaine use disorder - revisiting epidemiology and clinical impact". *Journal of Psychiatric Research*, 2021, volume 143, pages 469–470, [10.1016/j.jpsychires.2021.05.075](https://doi.org/10.1016/j.jpsychires.2021.05.075).
- 2021 G. Squillacioti, F. Guglieri, N. Colombi, F. Ghelli, **Berchiolla, P.**, P. Gardois, and R. Bono. Non-invasive measurement of exercise-induced oxidative stress in response to physical activity. A systematic review and meta-analysis. *Antioxidants*, 2021, volume 10, [10.3390/antiox10122008](https://doi.org/10.3390/antiox10122008).

- 2021 V. Sciannameo, **Berchiolla, P.**, A. Avogaro, G.P. Fadini, A. Consoli, G. Formoso, G. Grossi, A. Pucci, G. Sesti, F. Andreozzi, G. Capobianco, A. Gatti, R. Bonadonna, I. Zavaroni, A. DeiCas, G. Felace, P. Li Volsi, R. Buzzetti, G. Leto, G.P. Sorice, P. D'Angelo, S. Morano, A.C. Bossi, E. Duratorre, I. Franzetti, P.S. Morpurgo, E. Orsi, F. Querci, M. Boemi, F. D'Angelo, M. Petrelli, G. Aimaretti, I. Karamouzis, F. Cavalot, G. Saglietti, G. Cazzetta, S. Cervone, E. Devangelio, O. Lamacchia, S. Arena, A. Di Benedetto, L. Frittitta, C. Giordano, S. Piro, M. Rizzo, R. Chianetta, C. Mannina, R. Anichini, G. Penno, A. Solini, B. Fattor, E. Bonora, M. Cigolini, A. Lapolla, N.C. Chillelli, N. Simioni, V. Frison, C. Vinci, and DARWIN-T2D Network. Transposition of cardiovascular outcome trial effects to the real-world population of patients with type 2 diabetes. *Cardiovascular Diabetology*, 2021, volume 20, [10.1186/s12933-021-01300-y](https://doi.org/10.1186/s12933-021-01300-y).
- 2021 M. Robella, M. De Simone, **Berchiolla, P.**, M. Argenziano, A. Borsano, S. Ansari, O. Abollino, E. Ficiarà, A. Cinquegrana, R. Cavalli, and M. Vaira. A phase i dose escalation study of oxaliplatin, cisplatin and doxorubicin applied as pipac in patients with peritoneal carcinomatosis. *Cancers*, 2021, volume 13, pages 1–12, [10.3390/cancers13051060](https://doi.org/10.3390/cancers13051060).
- 2021 M. Robella, **Berchiolla, P.**, A. Borsano, A. Cinquegrana, A. Ilari Civit, M. De Simone, and M. Vaira. Study protocol: Phase i dose escalation study of oxaliplatin, cisplatin and doxorubicin applied as pipac in patients with peritoneal metastases. *International Journal of Environmental Research and Public Health*, 2021, volume 18, [10.3390/ijerph18115656](https://doi.org/10.3390/ijerph18115656).
- 2021 A. Ricotti, V. Sciannameo, W. Balzi, A. Roncadori, P. Canavese, A. Avitabile, I. Massa, and **Berchiolla, P.** Incidence and prevalence analysis of non-small-cell and small-cell lung cancer using administrative data. *International Journal of Environmental Research and Public Health*, 2021, volume 18, [10.3390/ijerph18179076](https://doi.org/10.3390/ijerph18179076).
- 2021 A. Piolatto, **Berchiolla, P.**, S. Allegra, S. De Francia, G.B. Ferrero, A. Piga, and F. Longo. Pharmacological and clinical evaluation of deferasirox formulations for treatment tailoring. *Scientific Reports*, 2021, volume 11, [10.1038/s41598-021-91983-w](https://doi.org/10.1038/s41598-021-91983-w).
- 2021 F. Oliva, C. Mangiapane, G. Nibbio, **Berchiolla, P.**, N. Colombi, and F.D. Vigna-Taglianti. Prevalence of cocaine use and cocaine use disorder among adult patients with attention-deficit/hyperactivity disorder: A systematic review and meta-analysis. *Journal of Psychiatric Research*, 2021, volume 143, pages 587–598, [10.1016/j.jpsychires.2020.11.021](https://doi.org/10.1016/j.jpsychires.2020.11.021).
- 2021 H. Ocagli, D. Azzolina, G. Lorenzoni, S. Gallipoli, M. Martinato, A.S. Acar, **Berchiolla, P.**, D. Gregori, and INCIDENT Study Group. Using social networks to estimate the number of covid-19 cases: The incident (hidden covid-19 cases network estimation) study protocol. *International Journal of Environmental Research and Public Health*, 2021, volume 18, [10.3390/ijerph18115713](https://doi.org/10.3390/ijerph18115713).
- 2021 C. Martelletti, A. Ricotti, M. Gesualdo, P. Carucci, S. Gaia, E. Rolle, M.E. Burlone, S. Okolicsanyi, A. Mattalia, M. Pirisi, **Berchiolla, P.**, and M. Tabone. Radioembolization vs sorafenib in locally advanced hepatocellular carcinoma with portal vein tumor thrombosis: A propensity score and bayesian analysis. *Journal of Digestive Diseases*, 2021, volume 22, pages 496–502, [10.1111/1751-2980.13030](https://doi.org/10.1111/1751-2980.13030).
- 2021 N. Marengo, A. Borraccino, L. Charrier, **Berchiolla, P.**, P. Dalmaso, M. Caputo, and P. Lemma. Cyberbullying and problematic social media use: an insight into the positive role of social support in adolescents—data from the health behaviour in school-aged children study in italy. *Public Health*, 2021, volume 199, pages 46–50, [10.1016/j.puhe.2021.08.010](https://doi.org/10.1016/j.puhe.2021.08.010).
- 2021 G. Lorenzoni, R. Rampazzo, A. Buratin, **Berchiolla, P.**, and D. Gregori. Does the integration of pre-coded information with narratives improve in-hospital falls' surveillance? *Applied Sciences (Switzerland)*, 2021, volume 11, [10.3390/app11104406](https://doi.org/10.3390/app11104406).

- 2021 C. Lanera, H. Ocagli, M. Schiavon, A. Dell'amore, D. Bottigliengo, P. Bartolotta, A.S. Acar, G. Lorenzoni, **Berchiolla, P.**, I. Baldi, F. Rea, and D. Gregori. The surplus transplant lung allocation system in Italy: An evaluation of the allocation process via stochastic modeling. *International Journal of Environmental Research and Public Health*, 2021, volume 18, [10.3390/ijerph18137132](https://doi.org/10.3390/ijerph18137132).
- 2021 A. Hochdorn, A. Oliveira, G. Lorenzoni, A. Francavilla, S. Baldas, **Berchiolla, P.**, A. Oliveira, V.P. Alves, D. Gregori, and D. Azzolina. Monitoring public perception of health risks in Brazil and Italy: Cross-cultural research on the risk perception of choking in children. *Children*, 2021, volume 8, [10.3390/children8070541](https://doi.org/10.3390/children8070541).
- 2021 S. Gonella, D.S. Di Massimo, M. Mistrangelo, G. Numico, **Berchiolla, P.**, and P. Di Giulio. Frequency, severity, and impact on daily life of delayed and intercycle chemotherapy-induced nausea, vomiting, and retching. *Tumori*, 2021, volume 107, pages 571–577, [10.1177/0300891621990434](https://doi.org/10.1177/0300891621990434).
- 2021 S. Gonella, C. Delfino, M. Rolfo, A. Rizzo, V. Esposito, **Berchiolla, P.**, and S. Campagna. Effects of a video-based preoperative educational intervention plus nurse-led reinforcement discussion on knowledge, self-efficacy, and resilience in patients undergoing major surgery. *Clinical Nursing Research*, 2021, volume 30, pages 753–761, [10.1177/1054773820986916](https://doi.org/10.1177/1054773820986916).
- 2021 E. Gallo, I. Prosepe, G. Lorenzoni, A.Ş. Acar, C. Lanera, **Berchiolla, P.**, D. Azzolina, and D. Gregori. Excess of all-cause mortality is only partially explained by COVID-19 in Veneto (Italy) during spring outbreak. *BMC Public Health*, 2021, volume 21, [10.1186/s12889-021-10832-7](https://doi.org/10.1186/s12889-021-10832-7).
- 2021 M. Clari, M. Luciani, A. Conti, V. Sciannameo, **Berchiolla, P.**, P. Di Giulio, S. Campagna, and V. Dimonte. The impact of the COVID-19 pandemic on nursing care: A cross-sectional survey-based study. *Journal of Personalized Medicine*, 2021, volume 11, [10.3390/jpm11100945](https://doi.org/10.3390/jpm11100945).
- 2021 S. Carletto, F. Malandrone, **Berchiolla, P.**, F. Oliva, N. Colombi, M. Hase, A. Hofmann, and L. Ostacoli. Eye movement desensitization and reprocessing for depression: a systematic review and meta-analysis [.] [desensibilización y reprocesamiento por movimientos oculares para la depresión: una revisión sistemática y meta-análisis]. *European Journal of Psychotraumatology*, 2021, volume 12, [10.1080/20008198.2021.1894736](https://doi.org/10.1080/20008198.2021.1894736).
- 2021 L. Canu, S. Puglisi, **Berchiolla, P.**, G. De Filipo, F. Brignardello, F. Schiavi, A.M. Ferrara, S. Zovato, M. Luconi, A. Pia, M. Appetecchia, E. Arvat, C. Letizia, M. Maccario, M. Parasiliti-Caprino, B. Altieri, A. Faggiano, R. Modica, V. Morelli, M. Arosio, U. Verga, M. Pellegrino, L. Petramala, A. Concistrè, P. Razzore, T. Ercolino, E. Rapizzi, M. Maggi, A. Stigliano, J. Burrello, M. Terzolo, G. Opocher, M. Mannelli, G. Reimondo, and AIRTUM Working Group. A multicenter epidemiological study on second malignancy in non-syndromic pheochromocytoma/paraganglioma patients in Italy. *Cancers*, 2021, volume 13, [10.3390/cancers13225831](https://doi.org/10.3390/cancers13225831).
- 2021 D. Bottigliengo, I. Baldi, C. Lanera, G. Lorenzoni, J. Bejko, T. Bottio, V. Tarzia, M. Carrozzini, G. Gerosa, **Berchiolla, P.**, and D. Gregori. Oversampling and replacement strategies in propensity score matching: a critical review focused on small sample size in clinical settings. *BMC Medical Research Methodology*, 2021, volume 21, [10.1186/s12874-021-01454-z](https://doi.org/10.1186/s12874-021-01454-z).
- 2021 E. Boero, S. Rovida, A. Schreiber, **Berchiolla, P.**, L. Charrier, M.M. Cravino, M. Converso, P. Gollini, M. Puppo, A. Gravina, G. Fornelli, G. Labarile, S. Sciacca, T. Bove, D. Karakitsos, F. Aprà, M. Blaivas, and L. Vetrugno. The COVID-19 worsening score (COWS)—a predictive bedside tool for critical illness. *Echocardiography*, 2021, volume 38, pages 207–216, [10.1111/echo.14962](https://doi.org/10.1111/echo.14962).
- 2021 M.T. Bochicchio, J. Petiti, **Berchiolla, P.**, B. Izzo, E. Giugliano, E. Ottaviani, S. Errichiello, G. Rege-Cambrin, C. Venturi, L. Luciano, F. Daraio, D. Calistri, G. Rosti, G. Saglio, G. Martinelli, F. Pane, D. Cilloni, E.M. Gottardi, and C. Fava. Droplet digital PCR for BCR-ABL1 monitoring in diagnostic routine: Ready to start? *Cancers*, 2021, volume 13, [10.3390/cancers13215470](https://doi.org/10.3390/cancers13215470).
- 2021 **Berchiolla, P.**, S. Urru, and V. Sciannameo. The effect of COVID-19 on scientific publishing in Italy [gli effetti di COVID-19 sulla pubblicazione scientifica in Italia]. *Epidemiologia e Prevenzione*, 2021, volume 45, pages 449–451, [10.19191/EP21.6.136](https://doi.org/10.19191/EP21.6.136).

- 2021 **Berchiolla, P.**, V. Sciannameo, S. Urru, C. Lanera, D. Azzolina, D. Gregori, and I. Baldi. Adjustment for baseline covariates to increase efficiency in rcts with binary endpoint: A comparison of bayesian and frequentist approaches. *International Journal of Environmental Research and Public Health*, 2021, volume 18, [10.3390/ijerph18157758](https://doi.org/10.3390/ijerph18157758).
- 2021 V. Basile, S. Puglisi, B. Altieri, L. Canu, R. Libè, F. Ceccato, F. Beuschlein, M. Quinkler, A. Calabrese, P. Perotti, **Berchiolla, P.**, U. Dischinger, F. Megerle, E. Baudin, I. Bourdeau, A. Lacroix, P. Loli, A. Berruti, D. Kastelan, H.R. Haak, M. Fassnacht, and M. Terzolo. What is the optimal duration of adjuvant mitotane therapy in adrenocortical carcinoma? an unanswered question. *Journal of Personalized Medicine*, 2021, volume 11, [10.3390/jpm11040269](https://doi.org/10.3390/jpm11040269).
- 2021 D. Azzolina, **Berchiolla, P.**, D. Gregori, and I. Baldi. Prior elicitation for use in clinical trial design and analysis: A literature review. *International Journal of Environmental Research and Public Health*, 2021, volume 18, pages 1–21, [10.3390/ijerph18041833](https://doi.org/10.3390/ijerph18041833).

Honors & Awards

- 2015 **Best Prediction Model Award** at Stats Under the Stars – Data Science competition organized by the University of Padova
- 2007 **Travel Award for Best Paper** from American Statistical Association - Section of Risk Analysis to attend the *Joint Statistical Meeting*, 2007 in Salt Lake City, US.

Editorial activity

- 2024 **Reviewer** of research proposal for the Swiss Cancer League
- 2023 **Guest Associated Editor** for Frontiers Public Health Special Issue [Machine Learning Approaches for Monitoring Mental Health and Substance Abuse Using Social Media Data](#)
- 2023 **Guest Associated Editor** for Frontiers in Sociology 
- 2019 **Guest Editor** of the Special Issue [Foundations of Clinical Reasoning: An Epistemological Stance on Topoi: An International Review of Philosophy \(Springer Journal\)](#)
- 2017–2018 **Reviewer** for the American Medical Informatics Association Annual Symposium
- 2012–2014 **Reviewer** of research proposal for the South Africa Medical Research Council
- Reviewer** for the following international journals: Acta Diabetologica, Biometrical Journal, BMC Health Services Research, BMC Medical Research Methodology, BMJ Open, British Journal of Psychiatry, Cell and Tissue Banking, Computer in Biology and Medicine, Computer Methods and Programs in Biomedicine, Current Medical Research & Opinion, Diabetes Care, Disease Markers, Diabetes Obesity and Metabolism, Ecology and Food Nutrition, Expert Review Respiratory Medicine, Global Philosophy, International Journal of Biological Markers, International Journal of Cancer, International Journal of Environmental Health Research, Injury Epidemiology, Injury Prevention, Journal of Adolescence Health, Journal of Applied Statistics, Journal of Biomedical Informatics, Journal of Evaluation in Clinical Practice, Journal of Health Psychology, Journal of Medical Internet Research, Journal of Nephrology, Journal of Precision Medicine and Public Health, Mathematics and Computers in Simulation, Nature Communications, Neurodegenerative Disease Management, Nutrition Review, Obesity Research & Clinical Practice, Plos One, Preventive Medicine, Progress in Artificial Intelligence, Scientific Reports, Socio-Economic Planning Sciences, Statistics in Medicine, Scandinavian Journal of Public Health, Statistical Methods & Applications, Studies and Applied Philosophy Epistemology and Rational Ethics, Trials

Service activity

- Sept–Nov 2023 **Member**, Commission for developing the Guidelines for an ethical and conscious use of AI for teaching and learning, University of Torino, Italy.
Guidelines approved on 12/2023 by Academic Senate of the University of Torino

- 2021–pres **MEDCAP Department Internal Staff Contact**, *Department of Clinical and Biomedical Sciences*, University of Torino, Italy.
Point of contact between System Administrators, Principal Investigators, and the Head of Department to help ensure that the User Policy for the Electronic Data Collection Service for Research at the School of Medicine (MEDCAP) of the University of Torino is properly applied
- 2014–2016 **Member**, *Commission for Teaching at the Department of Clinical and Biological Sciences*, University of Torino, Italy.

Bibliometrics

H-index: 35

Total number of citations: 4,458

Number of papers: 279

- Number of papers in the last 10 years: 190
- Number of papers in the last 5 years: 127