Miriam Isola

Present position

Associate Professor, Medical Statistics (MED/01)

Birthplace
Udine, Italy

Citizenship
Italian

Work Address

Department of Medicine, University of Udine, Italy

Education/Training

Degree in Mathematics , University of Trieste, Italy, 1986.

International Summer School on Computational Statistics, organized by the International Association for Statistical Computing (IASC) , by the Società Italiana di Statistica (SIS) and by the Department of Statistics, University of Perugia, 1993.

"StatisticalAlps 2011 – *Longitudinal data analysis with time-dependent covariates for inference and prediction*" organized by Center of Biostatistics for Clinical Epidemiology, School of Medicine and Surgery, University of Milano-Bicocca, Ponte di Legno (BS), 2011.

"Introduzione ai modelli con equazioni strutturali" organized by the Department of Public Health, Experimental and Forensic Medicine, University of Pavia, 2012.

"StatisticalAlps 2017 – *Biomarkers & Classifiers for Diagnostic and Therapeutic Research: Discovery, Study Design and Analysis*" organized by Center of Biostatistics for Clinical Epidemiology, School of Medicine and Surgery, University of Milano-Bicocca, Ponte di Legno (BS), 2017.

Positions and Employment

2015-Present Associate Professor (MED/01) at Department of Medicine at the University of Udine.
2001-2015 Assistant Professor (MED/01) at the faculty of Medicine at the University of Udine.
1995-2000 Technical coordinator, Data Processing Center, University of Udine.
1989-1994 Graduate technician, Data Processing Center, University of Udine.
1987-1988 Officer in charge of the information systems by ASEM-company Buia (UD).
1986 Teacher of senior high school.

Other Experience and Professional Memberships

Member of ethics committee for clinical research since 2005.
Member of Data and Safety Monitoring Board of clinical trials.
Board member and secretary of the Italian Society of Medical Statistics and Clinical Epidemiology
Member of the SISMEC (Società Italiana di Statistica ed Epidemiologia Clinica).
Member of governing board and secretary of SISMEC since 2017.
Member of the SIB (International Biometrics Society - Italian Region).
Member of the ISCB (The International Society for Clinical Biostatistics).

Editorial boards
Statistics Consulting Editor for Journal of Affective Disorders.

Ad Hoc Reviewer
American Heart Journal
Journal of Affective Disorders
Biomedicine & Pharmacotherapy
Cancer
Cells
Clinical Immunology
Computational and Structural Biotechnology Journal
Medical Oncology
Journal of Ophthalmology
Nature Communications
PeerJ
PLOS_ONE
Public Health
Vaccines

Participation in Grant Review Panels

Co-responsible of design and statistical analysis (WP Title: Piattaforma di intelligenza artificiale) for the project: "Una piattaforma integrata, basata su Intelligenza Artificiale (IA), per l'analisi di dati di proteomica, imaging radiologico e clinici finalizzata all'identificazione di biomarcatori diagnostici e prognostici nell'infezione da SARS-CoV-2 (SCV2)". Project FISR2020IP_01563, principal investigator: prof. Gianluca Tell.

PRIN 2018: Responsible of Local Unit. Title of project: "Innovative Statistical methods in biomedical research on biomarkers: from their identification to their use in clinical practice". Principal Investigator: Maria Grazia Valsecchi.

Research Title: "Diagnostic role of ctDNA for disease monitoring during first-line endocrine treatment in patients with hormone receptor positive metastatic breast cancer" Tracking Number: ESR-16-12382 Astrazeneca 2017.

AIRC IG 2017 Id. 20443. Title: "Dissecting the heterogeneity of circulating tumor cells in metastatic breast cancer patients to predict clinical outcome"

AIRC 5 per mille special program 2011, Pr. 12214. Title: "Application of Advanced Nanotechnology in the Development of Cancer Diagnostics Tools"

Participation in to other financed projects

Title: “Intravitreal Expert Group for the development of intravitreal guidelines”, Bayer 2012 .

Protocol ML18542 - Title “Randomized prospective study comparing dexamethasone and dexamethasone plus rituximab in the treatment of idiopathic thrombocytopenic purpura (ITP) in adults”, Roche S.p.A (2005-2008).

Research topics

Statistical designs for clinical trials.
Statistical design and analysis of observational studies.
Multivalued analysis of survival data from clinical trials and observational studies (in particular applied to emathological and oncological fields).
Classification criteria for rheumatological diseases.
Development of innovative designs in order to provide a prediction model in rheumatological, hematological and oncological diseases.
Statistical methods of meta-analysis for clinical trials and observational studies.

I am responsible of the statistic design for several studies in rheumatological, hematological and oncological fields since 2008.

Teaching Record

Member of the Doctorate School Council at the University of Udine since 2010.

I have been tutor for several PhD students and graduate students at the faculty of Medicine.
I have been teaching the course of Statistics in Medicine in several graduate schools at the faculty of Medicine at the University of Udine since 2002.
I have been teaching the course of Statistics in Medicine at the faculty of Medicine at the University of Udine since 2009.
I have been teaching the course of Statistics in Medicine in several courses for Health Professionals at the faculty of Medicine at the University of Udine since 2000.

Publications

More than 160 publications on peer-reviewed journals
H-index=40 (Scopus, 5th June 2023)

Udine, 5th June 2023