

SEMINAR - SATELLITE EVENT

Medical Statistics and Data Science

to the first



International Conference on Statistics and Data Science (ICSIDS)

Padova, December 12th 2022

Scuola della Carità -Via San Francesco 61



Time: 1:00 pm to 5:00 pm

To register for the event, please send an email to: segreteria@ubep.unipd.it

Introduction: **Laura Ventura** *University of Padova*

During the day they will discuss:

Davide Paolo Bernasconi

University of Milano Bicocca

Regression vs machine learning approaches for prognostic evaluation of biomarkers and risk stratification with application to Primary Biliary Cholangitis

Chiara Moccia

University of Torino

Machine learning and causal inference in life course epidemiology

Giulia Capitoli

University of Milano Bicocca

Artificial intelligence and statistical techniques combined with spatial proteomics to overcome challenges in diagnostics, with application to thyroid cancer

Lorenzo Schiavon

University of Padova

Structured factorization for single-cell gene expression data

Andrea Sottosanti

University of Padova

Co-clustering of spatially resolved transcriptomic data

Corrado Lanera

University of Padova

Application and perspectives in processing clinical natural-language text for detection and classification of infectious diseases: the cases of pediatric Varicella Zoster Virus and Acute Middle Ear Otitis

Conclusion: **Annibale Biggeri** *University of Padova*

Abstract The objective of the satellite meeting on Medical Statistics of the ICSIDS Conference is to bring together young researchers in medical statistics and data science from Italian academia and research institutions, to exchange ideas on the developments in modern statistics, machine learning, and applications on medical research. The satellite consists of a plenary session with 6 invited speakers.



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