UNIVERSITÀ
DI PARMA

DEPARTMENT OF MEDICINE AND SURGERY

SEMINAR

Transforming Biomedical Research with Artificial Intelligence

Emerging Pathways and Future Directions

Join us for a seminar exploring the intersection of Artificial Intelligence (AI) and biomedical research. This event will feature expert insights and cutting-edge presentations from distinguished speakers. The seminar will delve into how AI is revolutionizing biomedical research, paving the way for innovative methodologies and transformative discoveries.

Our keynote speaker and panelists will examine emerging applications of AI, including leveraging large-scale datasets, addressing bias, and promoting healthcare equity. Attendees will have the opportunity to engage with groundbreaking research and gain insights from global experts at the forefront of this transformative field.

KEYNOTE SPEAKER

Tina Hernandez-Boussard, PhD, MPH, MS

Professor of Medicine (Biomedical Informatics), of Biomedical Data Science, of Surgery and, by courtesy, of Epidemiology and Population Health

Stanford University, USA

Tina Hernandez-Boussard is a renowned leader in biomedical informatics and healthcare innovation. As Associate Dean of Research and Professor of Medicine (Biomedical Informatics), Biomedical Data Sciences, Surgery, and Epidemiology & Population Health (by courtesy) at Stanford University, she has made transformative contributions to advancing equitable healthcare outcomes.

Her research leverages real-world data and artificial intelligence to develop innovative methods for monitoring, measuring, and predicting healthcare equity. With a focus on addressing bias in AI applications, her work ensures diverse populations receive fair and effective care. Through hypothesis-driven research and the application of novel biostatistical techniques, Professor Hernandez-Boussard is shaping the future of healthcare delivery and policy at a population level.

LOCATION

AULA 1 – Aule Moruzzi, Ospedale Maggiore, Parma

DATE

Tuesday December 10, 2024, 14-16

PROGRAM

14.00 - 14.15
Introduction
Stefano Bettati, Director, Department of Medicine and Surgery, University of Parma
Dario Tedesco, Department of Medicine and Surgery, University of Parma

14.15 - 14.30
ECG-Based Characterization of Heart Diseases by Leveraging AI Techniques
Chiara Martini, PhD program in Molecular Medicine, Department of Medicine and Surgery, University of Parma

14.30 - 14.45
AI Applications in Medical Imaging
Ludovica Leo, Researcher, Department of Medicine and Surgery, University of Parma

14.45 - 15.00
AI and Prediction of Digital Therapies Efficacy in Pediatrics
Susanna Esposito, Director, Master Program in e-Health and Artificial Intelligence, Department of Medicine and Surgery, University of Parma

15.00 - 15.45
Advancing Equitable Healthcare Through Data-Driven Research and AI Innovations
Tina Hernandez-Boussard, Associate Dean of Research, Stanford School of Medicine, Stanford University

15.45 - 16.00
Discussion and Conclusions

*****The seminar will be conducted in English*****

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