

Aula III

10:15-10:45	Coffee Break
10:15-10:45	Coffee Break
10:45-12:15	SS2: AI2 in Healthcare: Artificial Intelligence Empowering Augmented Intelligence Chair: Paolo Soda
10:45-11:00	Growth-Aware CT Image Synthesis via Volume-Conditioned Diffusion Models Francesco Di Feola · Lorenzo Carusone · Giulia Romoli · Filippo Ruffini · Massimiliano Mantegna · Valerio Guarrasi · Matteo Tortora · Paolo Soda
11:00-11:15	Paraffinity - Semisynthetic Supervision for Automated Tissue Embedding Quality Control Andrea Mazzei · Giorgia Sparapassi · Fabio Berrettoni · Davide Timperi · Dario Branco · Francesco Merolla · Stefania Staibano · Giuseppe Cattaneo · Gian Marco Di Domenico
11:15-11:30	Pixel-Wise Nuclei Localization in Cervical Cytology with Hierarchical Feature Representations Ciro Russo · Alessandro Bria · Claudio Marrocco
11:30-11:45	Estimating Oocyte Biological Age: An Explainable Deep Learning Approach for Assisted Reproduction Andrea Piermartini · Donatella Firmani · Francesco Leotta · Claudio Manna · Silvia Raffi
11:45-12:00	GLD-VAE: A Guided Latent Diffusion Variational Autoencoder for Class Imbalance in Multi-Omics Data Durga Parkhi · Srijay Deshpande · Animesh Acharjee
12:00-12:15	LLMs Fail at Protein Sequence Annotation and Localization: A Comparative Study against a Tool-Augmented Agentic solution Asia Leuzzi · Elisa Ficarra · Marta Lovino
12:15-13:15	Lunch
12:15-13:15	Lunch
14:00-15:00	SS3: Bayesian Causal Inference for Public Health Chair: Lucia Gallucci
14:00-14:15	Causal Effects on Latent Structures via Bayesian Nonparametric Factor Models Roberta De Vito · Giovanni Parmigiani · Dafne Zorzetto
14:15-14:30	Discovering Heterogeneous Treatment Effects: A Bayesian Spike-and-Slab Approach Dafne Zorzetto · Roberta De Vito · Falco J. Bargagli-Stoffi
14:30-14:45	Network-based modelling of categorical data for personalized causal inference Federico Castelletti · Laura Ferrini
14:45-15:00	Transporting principal causal effects across strata: A Bayesian causal inference approach Veronica Ballerini · Falco Joannes Bargagli Stoffi · Francesca Dominici

15:00-15:45	SS9: Computational Methods for Mental Health and Well-Being Chair: Francesca Gasparini
15:00-15:15	A study on the use of learning techniques and explainability methods on TMS-EEG data Sara Nocco · Eleonora Arrigoni · Diego Corna · Francesca Gasparini · Alberto Pisoni · Leonor Josefina Romero Lauro · Aurora Saibene
15:15-15:30	Identifying relevant Facial Action Units associated with Depression for Generating Synthetic Images using LLMs Jona Maximilian Kao · Michael Gertz
15:30-15:45	A Computational Ethical Framework for Financial Digital Phenotyping for Mental Health Oluwadara Adedeji · Michael Mayowa Farayola · Jeff Brozena · Irina Tal · Regina Connolly · Mark Matthews
15:45-16:15	Coffee Break
15:45-16:15	Coffee Break