

JULY 8	Room "Da Verrazzano-Vespucci"	Room "Colombo"
09:30-10:00	Welcome of the President of IBS-Italian Region	
10:00-10:30	Invited talk: Cécile Proust-Lima. Joint modeling of multivariate longitudinal markers and clinical events: a latent degradation process approach	
10:30-11:00	Invited talk: Claudia Angelini. On penalized network regression approaches with applications to omics data analysis in cancer studies	
11:00-11:30	coffee break	
11:30-12:50	Invited session: Agricultural and Environmental Statistics <i>Organized by: Elisabetta Carfagna</i>	Contributed session: Issues in survival analysis <i>Chair: Stefania Galimberti</i>
11:30	Lorenzo Fattorini. Pseudo-population bootstrap for design-based inference on spatial phenomena	Andrea Giussani. Bivariate Length-Biased Failure Time Data Subject to Right Censoring
11:50	Daniela Cocchi. Spatial sampling and entropy	Marialuisa Restaino. A Comparison of Nonparametric Bivariate Survival Functions under Censored and Truncated Data
12:10	Roberto Benedetti. Balanced, Spatially Balanced and Doubly Balanced Sample Designs for Land Use/Land Cover Surveys	Paola M.V. Rancoita. Improving the identification of the optimal cut-point of continuous covariate for survival outcome prediction
12:30	Michael Steiner. Recent Developments in Agricultural Statistics	Denitsa Grigorova. Analysis of time to breast cancer detection in women invited to a breast cancer screening program <i>Young Statistician Award (IBS - Eastern Mediterranean Region representative)</i>
12:50-14:30	lunch buffet	
14:30-15:50	Invited session: Alternative modelling and computational approaches for panel, longitudinal and health data <i>Organized by: IBS - Spanish Region</i> <i>Chair: Rino Bellocco</i>	Invited session: Modeling complex biomedical data. <i>Jointly organized by: Italian Statistical Society (SIS) & IBS - Italian Region</i> <i>Chair: Adriano De Carli</i>
14:30	Vicente Núñez-Antón. Bayesian Structured Antedependence Model Proposals for Longitudinal Data	Massimo Attanasio. Overcrowding in Emergency Departments (ED): the case of some Sicilian hospitals
14:50	Klaus Langohr. A Bidirectional Multi-State Model for Panel Data on Bone Mineral Density among HIV-Infected Patients	Andrea De Gaetano. Parameter estimation for physiological models: from the basics to Stochastic Differential Equations
15:10	Nuria Perez-Alvarez. Application of machine learning techniques in predicting muscle abnormalities in HIV infected individuals	Alessio Farcomeni. Conditional mid-quantiles for discrete outcomes
15:30	Yovaninna Alarcón-Soto. Cox elastic-net regularization for mRNA identification as predictors of HIV viral rebound. <i>Young Statistician Award (IBS - Spanish Region representative)</i>	Antonietta Mira. Identifications of the data intrinsic dimensions
15:50-16:20	coffee break	
16:20-17:20	Contributed session: Longitudinal and joint modeling <i>Chair: Paola Vicard</i>	Contributed session: Advanced generalized modeling approaches <i>Chair: Antonella Iuliano</i>
16:20	Maria Teresa Giraudo. Joint modelling and mediation analysis for longitudinal survival data	Antonio Calcagni. Sign-flipping score based confidence intervals for testing in generalized linear models
16:40	Chiara Brombin. Modelling heterogeneity of EGFR trajectories in HIV-infected patients	Margherita Silan. An indicator of frailty for older persons based on partially ordered sets
17:00	Valeria Edefonti. Bivariate splines for modeling the joint effect of intensity and duration of cigarette smoking on head and neck cancer risk	Francesca Bravi. Meta-analysis for linear and nonlinear dose-response relationship: application on coffee consumption and the risk of cardiovascular diseases and type 2 diabetes
18:00	departure for the Tour of Naples' catacombs	

JULY 9	Room "Da Verrazzano-Vespucci"	Room "Colombo"
09:20-10:40	Invited session: Designs in individualized therapy <i>Organized by: IBS - German Region</i> <i>Chair: Mauro Gasparini</i>	Contributed session: Evaluation of diagnostic tests <i>Chair: Bonetti</i>
09:20	Andreas Faldum. Increasing evidence designs in individualized therapy	Andrea Sinigaglia. Nonparametric confidence regions for the symmetry point-based optimal cutpoint and associated sensitivity of a continuous-scale diagnostic test
09:40	Robert Kwicien. Constructing adaptive designs via stochastic integral processes	Federica Cugnata. A novel approach to evaluate the diagnostic test performance from myocardial imaging data accounting for their spatial correlation
10:00	Werner Brannath. Control of the "population-wise error rate" in clinical trials with multiple populations	Lidia Sacchetto. Proper likelihood ratio based ROC curve for cancer diagnosis <i>Young Statistician Award (IBS - Italian Region representative)</i>
10:20	Klaus Jung. Network meta-analysis of molecular high-throughput expression data	Elena Nardi. Combining markers for multcategory classification: a proposal based on HUM.
10:40-11:10	coffee break	
11:10-12:45	General Assembly of the IBS-Italian Region	
12:45-14:00	lunch buffet	
14:00-15:00	Poster Session (room "Ulisse")	
15:00-16:20	Invited session: Recent advances in multi-study analysis of high dimensional data <i>Organized by: IBS - Eastern North American Region</i> <i>Chair: Clelia Di Serio</i>	Contributed session: Multivariate and multidimensional techniques <i>Chair: Claudia Angelini</i>
15:00	Lorenzo Trippa. Multi-Study Predictions	Angela Andreella. A Statistical approach to the alignment of fMRI data
15:20	Roberta De Vito. Multi-study Factor Analysis, Bayesian and Likelihood-based Approaches	Matteo Di Maso. A novel approach to assess human diet diversity: a development of the nutritional functional diversity indicator
15:40	Marina Vannucci. Integrative Bayesian Models of High-Dimensional Count Data	Marco Bonetti. Computing the Exact Distribution of Some Functions of the Ordered Multinomial Counts
16:00	Edoardo Pasolli. Meta-analysis at strain-level resolution of large metagenomic datasets	
16:20-16:50	coffee break	
16:50-17:50	Contributed session: Design of experiments <i>Chair: Fulvio De Santis</i>	Contributed session: Modeling -omics data <i>Chair: Luca Tardella</i>
16:50	Stavros Nikolakopoulos. Dynamic borrowing through empirical power priors that control type I error <i>Young Statistician Award (IBS - Eastern Mediterranean Region representative)</i>	Monika Krzak. Clustering scRNAseq data with ensMAP-DP
17:10	Pierpaolo Brutti. Optimal sample size for Bayesian Wasserstein consensus	Francesco Denti. Modeling Human Microbiome Data via Latent Nested Nonparametric Priors
17:30	Francesca Graziano. Two-phase studies to assess the prognostic value of a new biomarker on a time to event end-point	Danilo Pellin. Generative modelling of stem cell evolution
20:00	Social dinner (at conference venue)	

JULY 10	Room "Da Verrazzano-Vespucci"	Room "Colombo"
09:20-10:40	Contributed session: Sampling, weighting & matching: dealing with current challenges in observational data <i>Chair: Fulvia Mecatti</i>	Contributed session: Multi-state and competing risk models <i>Chair: Paola M.V. Rancoita</i>
09:20	Maaregu Woldeyes Arisido. New approaches to deal with Selection Bias in Anticoagulant Therapy in Haemodialysis Patients	Davide Paolo Bernasconi. Assessing the impact of the intermediate event in a non-markovian illness-death model
09:40	Kyungmann Kim. Inverse Probability of Treatment Weighting and Bootstrap Variance Estimation for the INVESTED trial	Elena Tassistro. Modelling the hazard of transition into the absorbing state in the illness-death model
10:00	Pier Luigi Conti. Estimation of distributional effects of treatment and control under selection on observables, with applications to Wilcoxon-type test	Giuseppe Marano. Disease free survival evaluation in semi-competing risks setting. Comparison of different estimating strategies on a large breast cancer clinical trial
10:20	Paola Maddalena Chiodini. Some proposals for probabilistic sampling in rare disease studies	Giuliana Cortese. Residual mean lifetime models and competing risks.
10:40	Paola Vicard. Statistical matching using Bayesian networks	Laura Antolini. Analysis of adverse events in survival studies: theoretical quantities and graphical representations
11:00-11:30	coffee break	
11:30-12:00	Invited talk: Niels Keiding. Web-based enrollment and other types of selection: consequences for generalizability	
12:00-12:30	Invited talk: Stefania Galimberti. The use of novel phase I adaptive bayesian designs in rare diseases	
12:30-13:00	Closing Ceremony & Awards	

List of poster presentations	
1	Federico Ambroggi. Variable selection with high dimensional data and time-to-event outcomes
2	Laura Antolini. Measuring the power of new biomarkers and of new cutpoints for patient stratification
3	Federica Bianchi. Using survival analysis to explore patterns of connectivity in time-stamped network data
4	Francesca Bovis. Defining responders to therapies by a statistical modelling approach applied to randomized clinical trial data
6	Chiara Ferrero. Characterizing emotional response induced by affective stimuli using facial expression data
7	Ilaria Gandin. Predicting mortality in patients with cardiovascular disease in Intensive Care Unit
8	Stefania Gubbiotti. Pre-posterior calibration of Bayesian intervals for sample size determination
9	Antonella Iuliano. Data analysis pipeline for QuantSeq 3' mRNA sequencing experiments
10	Miriam Isola. Risk score for non-Hodgkin lymphoma (NHL) development in primary Sjögren's syndrome (pSS): state of art.
11	Jerry Polese. CART analysis for the identification of predictive scores
12	Valeria Policastro. ROBIN: an R package for validation of community robustness
13	Marika Vezzoli. RERT: A Novel Regression Tree Approach to Predict Extrauterine Disease in Endometrial Carcinoma Patients