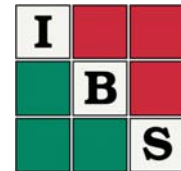
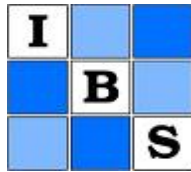


# 9th EMR-IBS and Italian Region Conference



## Conference Program

The meeting is devoted to the memory of  
Professor Marvin Zelen



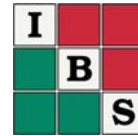
## *Organized by*

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*Eastern Mediterranean Region of the  
International Biometric Society (IBS)*



*Italian Region of the  
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## *Sponsors*

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*Frontier Science Foundation-Hellas (FSF-H)*



*Athens University of Economics and Business*



*Laboratory of Biostatistics,  
National and Kapodistrian University of Athens*



## *Preface*

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We are very glad to welcome you at Thessaloniki, for the 9th conference of the Eastern Mediterranean Region of the International Biometrics Society (EMR-IBS) co-organized with the Italian Region of IBS.

The EMR region of the IBS includes the following countries: Cyprus, Egypt, Greece, Israel, Jordan, Palestinian National Authority, Turkey, Saudi Arabia and Bulgaria. This is the last of a very successful series of conferences started in Athens, Greece in 2001; followed by Antalya, Turkey in 2003; Corfu, Greece in 2005; Eilat, Israel in 2007; Istanbul, Turkey in 2009; Crete, Greece in 2011; Tel Aviv, Israel, 2013; and Cappadocia, Turkey 2015.

We are particularly happy to co-organize this conference with the Italian Region. Some years ago the EMR, the Italian Region and the Spanish Region decided to create a closer relationship between our Regions of IBS by exchanging and organizing a common session to each regional IBS conferences. This year we move one step forward by jointly organizing the conference. There will also be as in previous conferences, an Italian-Spanish session.

The conference is dedicated to the memory of Professor Marvin Zelen, who has shaped the field of Biostatistical Science. Professor Zelen, in his efforts of promoting Biostatistics in the Region, has been a great supporter of EMR, participating actively in all our Regional conferences. In addition, he founded and chaired the Board of Directors of Frontier Science Foundation-Hellas (FSF-H). In recognition of his legacy, the conference is dedicated to his memory and it starts with a keynote lecture in his honor.

In honor of another influential biostatistician and keen supporter of the EMR Region, the Steve Lagakos student awards are presented for the 4th consecutive EMR conference, encouraging the participation of young researchers. The student award talks will be presented at a special session on the last day of the conference.

Thessaloniki, the host city of this conference, was founded around 315 BC by the King Cassander of Macedon, and became an important center during the Roman era and the Byzantine period, being one of the early centers of Christianity. During the Ottoman era, Thessaloniki's Sephardic community comprised more than half the city's population. It is a warm city, full of life, with Paleochristian and Byzantine monuments, a still thriving port, and a traditional part featuring small stone and paved streets, old squares and homes of old Greek and Ottoman architecture. It has a rich history of multi-culturalism, with Greek, Ottoman and Jewish populations all leaving their imprint on the city. We believe that Thessaloniki, being at the crossroads of different civilizations and religions, makes it a city that embodies the nature of EMR.

We hope you enjoy both the conference and the city.

Urania Dafni  
Dimitris Karlis  
on behalf of the Organizing and the Scientific Committee

# Scientific Committee

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## Chairs

<b>Urania Dafni</b>	<i>University of Athens, Greece</i>
<b>Dimitris Karlis</b>	<i>Athens University of Economics and Business, Greece</i>

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<b>Yoav Benjamini</b>	<i>Tel Aviv University, Israel</i>
<b>Nikos Demiris</b>	<i>Athens University of Economics and Business, Greece</i>
<b>Clelia Di Serio</b>	<i>Universita San Raffaele, Italy</i>
<b>Zeynep Kalaylioglu</b>	<i>Middle East Technical University, Turkey</i>
<b>KyungMann Kim</b>	<i>University of Wisconsin Madison, USA</i>

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*Athens University of Economics and Business*

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*Aristotle University of Thessaloniki*

***Paola M.V. Rancoita***

*Università Vita-Salute San Raffaele*

## Scientific Program

<b>MONDAY</b>	<b>May 8<sup>th</sup>, 2017</b>
<b>10:00 – 17:00</b>	<b>Short Course</b>
	<b>Dimitris Rizopoulos</b> An Introduction to Joint Models for Longitudinal and Survival Data, with Applications in R
<b>10:00 – 17:00</b>	<b>REGISTRATION</b>
<b>19:00 – 21:00</b>	<b>WELCOME RECEPTION</b>
<b>TUESDAY</b>	<b>May 9<sup>th</sup>, 2017</b>
<b>Room A</b>	
<b>08:00 – 08:30</b>	<b>WELCOME</b>
<b>08:30 – 09:30</b>	<b>Marvin Zelen Keynote Speech</b> <b>Chair: Urania Dafni</b>
<b>08:30 – 09:30</b>	<b>Sharon-Lise Normand</b> Data, Statistics, and Inference
<b>09:30 – 10:50</b>	<b>Invited Session</b> Extended Poisson modelling for count data <b>Chair: John Hinde</b>
<b>09:30 – 09:50</b>	<b>Pedro Puig</b> Underdispersion in a bivariate framework
<b>09:50 – 10:10</b>	<b>John Hinde</b> Over/ Under-dispersion, zero-inflation and Poisson-Tweedie models
<b>10:10 – 10:30</b>	<b>Clarice G.B. Demetrio</b> Extended Poisson-Tweedie models with some examples
<b>10:30 – 10:50</b>	<b>Dimitris Karlis</b> Multiple discrete distributions for modelling heaped count data in health insurance
<b>10:50 – 11:20</b>	<b>Coffee Break</b>

<b>TUESDAY</b>		<b>May 9<sup>th</sup>, 2017</b>	
<b>11:20 – 13:20</b>	<b>Parallel Sessions</b>		
	<b>Contributed Session A</b> Topics in Biostatistics I	<b>Contributed Session B</b> Topics in Biostatistics II	
<b>Room A</b>	<b>Contributed Session A</b> Topics in Biostatistics I <b>Chair: Yair Goldberg</b>		
<b>11:20 – 11:40</b>	<b>Gul Inan</b> A Score Test for Over-Dispersion in Marginalized Zero-Inflated Poisson Regression Models		
<b>11:40 – 12:00</b>	<b>Samah Hayek</b> Extent, Duration and Predictors of Exclusive Breastfeeding in a Longitudinal Study: Adjusting for missing data using an Accelerated Failure Time model		
<b>12:00 – 12:20</b>	<b>Valeria Edefonti</b> The use of urn models in response-adaptive randomized designs: a simulation study		
<b>12:20 – 12:40</b>	<b>Stavros Nikolakopoulos</b> Dynamic borrowing through empirical power priors that control type I error		
<b>12:40 – 13:00</b>	<b>Livio Finos</b> Bayesian Permutation Tests		
<b>13:00 – 13:20</b>	<b>Aldo Solari</b> Assessing Variable Selection Uncertainty in Linear Models		
<b>Room B</b>	<b>Contributed Session B</b> Topics in Biostatistics II <b>Chair: Paola Rancoita</b>		
<b>11:20 – 11:40</b>	<b>Melih Agraz</b> Modeling of Biochemical Networks via a New Graphical Approach		
<b>11:40 – 12:00</b>	<b>Ebru Ozturk</b> Classifying Resting State Functional Magnetic Resonance Imaging Data		
<b>12:00 – 12:20</b>	<b>Yasar Sertdemir</b> Comparing Logistic Regression and Decision Tree Analysis Results: A Simulation Study With An Application To Real Data		
<b>12:20 – 12:40</b>	<b>Nicholas Protonotarios</b> Attenuated spline reconstruction technique for SPECT/CT		
<b>12:40 – 13:00</b>	<b>Theodoros Moysiadis</b> Refining prognostication in CLL		
<b>13:00 – 13:20</b>	<b>Athanasios Sachlas</b> A new biosurveillance method based on convex hulls		
<b>13:20 – 14:30</b>	<b>Lunch break</b>		
<b>13:20 – 20:00</b>	<b>Poster Display</b>		

<b>TUESDAY</b>		<b>May 9<sup>th</sup>, 2017</b>	
<b>14:30 – 15:50</b>	<b>Parallel Sessions</b>		
	<b>Invited Session</b> Causal Methods and High-Dimensional Data	<b>Contributed Session C</b> Survival Analysis	
<b>Room A</b>	<b>Invited Session</b> Causal Methods and High – Dimensional Data <b>Chair: Sharon-Lise Normand</b>		
<b>14:30 – 14:55</b>	<b>Joseph Hogan</b> Causality, Prediction, and Everything in Between: The Promise and Pitfalls of Electronic Health Records Data		
<b>14:55 – 15:20</b>	<b>Els Goetghebeur</b> Cost effective models for prediction and causal effect estimation: the goldmine of disease registers		
<b>15:20 – 15:45</b>	<b>Sebastien Haneuse</b> A general framework for selection bias due to missing data in EHR-based research		
<b>Room B</b>	<b>Contributed Session C</b> Survival Analysis <b>Chair: KyungMann Kim</b>		
<b>14:30 – 14:50</b>	<b>Micha Mandel</b> Cox Regression for Doubly Truncated Data		
<b>14:50 – 15:10</b>	<b>Paola Rebora</b> Sequential Cox and marginal structural models to evaluate the role of anticoagulant therapy on mortality in haemodialysis patients		
<b>15:10 – 15:30</b>	<b>Theodor Adrian Balan</b> Non-proportional hazards or unobserved heterogeneity in clustered survival data: Can we tell the difference?		
<b>15:30 – 15:50</b>	<b>Dimitra Eleftheriou</b> On detecting the change-points in piecewise regression models		
<b>15:50 – 17:00</b>	<b>Coffee Break - Poster session</b>		
<b>17:00 – 18:15</b>	<b>Parallel Sessions</b>		
	<b>Invited Session</b> High-dimensional Bayesian model selection	<b>Contributed Session D</b> Screening and Prediction models	
<b>Room A</b>	<b>Invited Session</b> High-dimensional Bayesian model selection <b>Chair: Nikos Demiris</b>		
<b>17:00 – 17:25</b>	<b>David Rossell</b> Bayesian variable selection: what if residuals are non-normal?		
<b>17:25 – 17:50</b>	<b>Omiros Papaspiliopoulos</b> Bayesian block-diagonal variable selection and model averaging		
<b>17:50 – 18:15</b>	<b>Ioannis Ntzoufras</b> Power-Expected-Posterior Priors for Generalized Linear Models		



<b>TUESDAY</b>		<b>May 9<sup>th</sup>, 2017</b>	
	<b>Parallel Sessions</b>		
<b>17:00 – 18:15</b>	<b>Invited Session</b> High-dimensional Bayesian model selection	<b>Contributed Session D</b> Screening and Prediction models	
<b>Room B</b>	<b>Contributed Session D</b> Screening and Prediction models <b>Chair: Ziv Shkedy</b>		
<b>17:00 – 17:20</b>	<b>Ilker Unal</b> Comparison of Estimation Methods for Area under the ROC Curve with Skewed Data		
<b>17:20 – 17:40</b>	<b>Grigoris Papageorgiou</b> Individualized Dynamic Prediction of Survival under Time-Varying Treatment Strategies		
<b>17:40 – 18:00</b>	<b>Markus Neuhäuser</b> The number of strata in propensity score sub-classification		
	<b>Parallel Sessions</b>		
<b>18:20 – 19:20</b>	<b>Contributed Session E</b> Statistical Methodology	<b>Contributed Session F</b> Mixture Models and clustering	
<b>Room A</b>	<b>Contributed Session E</b> Statistical Methodology <b>Chair: Ilker Unal</b>		
<b>18:20 – 18:40</b>	<b>Yair Golberg</b> A Quantile Regression Model for Failure Time Data with Time Dependent Covariates		
<b>18:40 – 19:00</b>	<b>Samuel D. Oman</b> The latent scale covariogram: a tool for exploring the spatial dependence structure of non-normal responses		
<b>19:00 – 19:20</b>	<b>Mark J. Brewer</b> Between-Sample Heterogeneity – Is AIC Really Optimal?		
<b>Room B</b>	<b>Contributed Session F</b> Mixture Models and clustering <b>Chair: Marco Alfo</b>		
<b>18:20 – 18:40</b>	<b>Joost van Rosmalen</b> Choosing the number of classes in Bayesian finite mixture models using the posterior distribution of the mixing proportions		
<b>18:40 – 19:00</b>	<b>Valeria Edefonti</b> Combinatorial Mixtures of Multiparameter Distributions: an Application to Prostate Cancer		
<b>19:00 – 19:20</b>	<b>Federica Cugnata</b> Identifying clusters of physiological response elicited by an emotion recognition task		
<b>Room A</b>			
<b>19:30</b>	<b>EMR Business Meeting</b>		

<b>WEDNESDAY</b>		<b>May 10<sup>th</sup>, 2017</b>	
<b>Room A</b>			
<b>08:00 – 09:20</b>	<b>Invited Session</b> STRATOS Initiative <b>Chair: Larry Freedman</b>		
<b>08:00 – 08:20</b>	<b>Georg Heinze</b> Why many researchers misuse variable selection and how to prevent this		
<b>08:20 – 08:40</b>	<b>Michal Abrahamowicz</b> STRATOS and flexible modeling of time-dependent covariates in time-to-event analyses		
<b>08:40 – 09:00</b>	<b>Pamela Shaw</b> Measurement Error in Nutritional Epidemiology: Impact, Current Practice for Analysis, and Opportunities for Improvement		
<b>09:00 – 09:20</b>	<b>Victor Kipnis</b> A new longitudinal time-varying measurement error model with application to physical activity assessment instruments in a large biomarker validation study.		
<b>09:20 – 10:35</b>	<b>Parallel Sessions</b>		
	<b>Invited Session</b> Missing Data	<b>Contributed Session G</b> Bayesian Methods in Biostatistics	
<b>Room A</b>	<b>Invited Session</b> Missing Data <b>Chair: Havi Murad</b>		
<b>09:20 – 09:45</b>	<b>Rebecca A. Betensky</b> Analysis of time-to-event data with time-varying biomarkers measured only at study entry, with applications to Alzheimer's disease		
<b>09:45 – 10:10</b>	<b>Havi Murad</b> Time-sequential multiple imputation of missing data in time-dependent covariates used in a Cox model		
<b>10:10 – 10:35</b>	<b>Roe Gutman</b> Combining Item Response Theory with Multiple Imputation to Equate Health Assessment Questionnaires		
<b>Room B</b>	<b>Contributed Session G</b> Bayesian Methods in Biostatistics <b>Chair: Vasilis Vasdekis</b>		
<b>09:20 – 09:40</b>	<b>Areti Boulieri</b> A Bayesian detection model for chronic disease surveillance: application to COPD hospitalisation data		
<b>09:40 – 10:00</b>	<b>Bahar Erar</b> Predicting Genetic Predisposition to Treatment Responsiveness in Randomized Clinical Trials Using Bayesian Whole Genome Regression		
<b>10:00 – 10:20</b>	<b>Nicole S. Erler</b> Bayesian imputation of time-varying covariates in linear mixed models		
<b>10:35 – 11:00</b>	<b>Coffee Break</b>		

<b>WEDNESDAY</b>		<b>May 10<sup>th</sup>, 2017</b>	
	<b>Parallel Sessions</b>		
<b>11:00 – 12:40</b>	<b>Invited Session</b> Epidemic Dynamics: Modelling and Control	<b>Contributed Session H</b> Estimation Methodologies	
<b>Room A</b>	<b>Invited Session</b> Epidemic Dynamics: Modelling and Control <b>Chair: Ioannis Ntzoufras</b>		
<b>11:00 – 11:25</b>	<b>Anne Presanis</b> Conflict diagnostics in evidence synthesis: examples from infectious disease models		
<b>11:25 – 11:50</b>	<b>Paul Birrell</b> Towards Computationally Efficient Epidemic Inference		
<b>11:50 – 12:15</b>	<b>Kostas Kalogeropoulos</b> A Bayesian approach to estimate changes in condom use from limited human immunodeficiency virus prevalence data		
<b>12:15 – 12:40</b>	<b>Nikolaos Demiris</b> On some Bayesian spatio-temporal epidemic models		
<b>Room B</b>	<b>Contributed Session H</b> Estimation Methodologies <b>Chair: David Zucker</b>		
<b>11:00 – 11:20</b>	<b>Federico Andreis</b> On a class of design-based adaptive and sequential sampling strategies		
<b>11:20 – 11:40</b>	<b>Itai Dattner</b> A two-stage approach for estimating the parameters of an age-group epidemic model from incidence data		
<b>11:40 – 12:00</b>	<b>Alessio Farcomeni</b> Generalized Chao estimators with external information and measurement error		
<b>Room B</b>			
<b>12:00 – 13:20</b>	<b>Contributed Session I</b> Measurement errors and related models <b>Chair: Livio Finos</b>		
<b>12:00 – 12:20</b>	<b>Dimitris Evangelopoulos</b> Simulation of multi-pollutant model results in the presence of measurement error		
<b>12:20 – 12:40</b>	<b>Kai Wang</b> Simple bias formulas for mediation analysis with unmeasured confounding		
<b>12:40 – 13:00</b>	<b>Amita Manatunga</b> A Modeling Approach for Predicting Disease Status Using Functional Data in the Absence of a Gold Standard		
<b>13:00 – 13:20</b>	<b>Michal Talitman</b> Estimating the intervention effect and measurement error in calibration sub-studies		
<b>13:20 – 14:30</b>	<b>Lunch break</b>		
<b>14:30 – 20:00</b>	<b>Excursion to Vergina, Departure from the MET hotel</b>		

<b>THURSDAY</b>	<b>May 11<sup>th</sup>, 2017</b>	
<b>Room A</b>		
<b>08:00 – 09:20</b>	<b>Spanish – Italian Session</b> <b>Chair: Lupe Gomez and Clelia Di Serio</b>	
<b>08:00 – 08:20</b>	<b>Marco Alfo</b> A bi-dimensional finite mixture model for longitudinal data with dropout	
<b>08:20 – 08:40</b>	<b>Nuria Perez-Alvarez</b> Machine learning analysis for assessing body composition and bone mass in HIV infected patients	
<b>08:40 – 09:00</b>	<b>Amanda Fernandez-Fontelo</b> Dealing with under-reported data through INAR-hidden Markov chains	
<b>09:00 – 09:20</b>	<b>Davide Paolo Bernasconi</b> An inverse probability weighting approach to deal with informative censoring with application to childhood leukemia	
<b>09:20 – 11:00</b>	<b>Parallel Sessions</b>	
	<b>Invited Session</b> Functional Data Analysis	<b>Contributed Session J</b> Genetics
<b>Room A</b>	<b>Invited Session</b> Functional Data Analysis <b>Chair: Philip T. Reiss</b>	
<b>09:20 – 09:45</b>	<b>Fabian Scheipl</b> Functional Covariates in Additive Regression Models	
<b>09:45 – 10:10</b>	<b>Efstathios Papanoditis</b> Sieve Bootstrap for Functional Time Series	
<b>10:10 – 10:35</b>	<b>Philip T. Reiss</b> Functional principal component analysis and trajectory reconstruction with accelerated longitudinal designs	
<b>10:35 – 11:00</b>	<b>Laura Sangalli</b> Functional data analysis of neuroimaging signals on the cerebral cortex	
<b>Room B</b>	<b>Contributed Session J</b> Genetics <b>Chair: Christos Nakas</b>	
<b>09:20 – 09:40</b>	<b>Mira Markus Kalish</b> Targeting Disease Signatures Towards Precision Healthcare	
<b>09:40 – 10:00</b>	<b>Krista Fischer</b> From GWAS to personalized disease risk prediction: statistical aspects of genetic risk score development and validation	
<b>10:00 – 10:20</b>	<b>Roula Tsonaka</b> Methodological Challenges in the analysis of longitudinal RNAseq data	
<b>10:20 – 10:40</b>	<b>Alexia Kakourou</b> Adapting censored regression methods to adjust for the limit of detection in the calibration of diagnostic rules for clinical mass spectrometry proteomic data	
<b>10:40 – 11:00</b>	<b>Ziv Shkedy</b> Development of high dimensional microbiome biomarkers	
<b>11:00 – 11:30</b>	<b>Coffee Break</b>	

<b>THURSDAY</b>		<b>May 11<sup>th</sup>, 2017</b>	
	<b>Parallel Sessions</b>		
<b>11:30 – 13:10</b>	<b>Invited Session</b> Novel statistical methods for complex neuroimaging data	<b>Contributed Session K</b> Prognostic Methods	
<b>Room A</b>	<b>Invited Session</b> Novel statistical methods for complex neuroimaging data <b>Chair: Jarek Harezlak</b>		
<b>11:30 – 11:55</b>	<b>Ivor Cribben</b> Time varying network models for brain imaging data		
<b>11:55 – 12:20</b>	<b>Dana Tudorascu</b> An improved estimation method for gray matter volume in presence of white matter hyperintensities in Alzheimer's and Down syndrome studies		
<b>12:20 – 12:45</b>	<b>Jarek Harezlak</b> Discovery of structural brain imaging markers of HIV-associated outcomes using connectivity-informed regularization approach		
<b>12:45 – 13:10</b>	<b>Shanshan Li</b> A Nonparametric Algorithm for Independent Component Analysis with Application to fMRI		
<b>Room B</b>	<b>Contributed Session K</b> Prognostic Methods <b>Chair: Benjamin Reiser</b>		
<b>11:30 – 11:50</b>	<b>Paola M.V. Rancoita</b> A new measure for prognostic index evaluation		
<b>11:50 – 12:10</b>	<b>Laura Antolini</b> Summary indicators to assess the performance of risk predictors		
<b>12:10 – 12:30</b>	<b>Leonidas E. Bantis</b> Estimation of Smooth ROC Curves for Biomarkers With Limits of Detection		
<b>12:30 – 12:50</b>	<b>Christos T. Nakas</b> Nonparametric and parametric confidence intervals for the Youden index and its associated cutoff point		
<b>13:10 – 14:30</b>	<b>Lunch break</b>		

<b>THURSDAY</b>		<b>May 11<sup>th</sup>, 2017</b>	
<b>14:30 – 15:50</b>	<b>Parallel Sessions</b>		
	<b>Invited Session</b> Bidirectional panel models	<b>Contributed Session L</b> Contribution to Biostatistics	
<b>Room A</b>	<b>Invited Session</b> Bidirectional panel models <b>Chair: Lupe Gomez</b>		
<b>14:30 – 14:55</b>	<b>Klaus Langohr</b> A Bidirectional Multi-State Model for Panel Data on Bone Mineral Density among HIV-Infected Patients		
<b>14:55 – 15:20</b>	<b>Bendix Carstensen</b> Representation and prediction in multistate models		
<b>15:20 – 15:45</b>	<b>Ahmadou Alioum</b> Inference in bidirectional multistate models for panel observed data: patterns of observation and flexible methods of estimation		
<b>Room B</b>	<b>Contributed Session L</b> Contribution to Biostatistics <b>Chair: Dimitris Rizopoulos</b>		
<b>14:30 – 14:50</b>	<b>Eleni-Rosalina Andrinopoulou</b> Integrating Latent Classes in the Bayesian Shared Parameter Joint Model of Longitudinal and Survival Outcomes		
<b>14:50 – 15:10</b>	<b>Sara Baart</b> Joint Models for Longitudinal and Time-to-Event Data in a Case-Cohort Design		
<b>15:10 – 15:30</b>	<b>Natasa Kalpourtzi</b> Adjusting for unit nonresponse in EMENO study: inverse probability weighting and multiple imputation methods		
<b>15:30 – 15:50</b>	<b>Andrea Berghold</b> On the use of routine health insurance data – exemplified by the Austrians disease management program for diabetes mellitus		
<b>15:50 – 16:20</b>	<b>Coffee Break</b>		

<b>THURSDAY</b>		<b>May 11<sup>th</sup>, 2017</b>	
	<b>Parallel Sessions</b>		
<b>16:20 – 18:00</b>	<b>Invited Session</b> Statistical modelling for complex biomedical frameworks	<b>Contributed Session M</b> Statistical Methodology	
<b>Room A</b>	<b>Invited Session</b> Statistical modelling for complex biomedical frameworks <b>Chair: Clelia Di Serio</b>		
<b>16:20 – 16:45</b>	<b>Marco Bonetti</b> Comparing multi-state models: some ideas based on dissimilarities		
<b>16:45 – 17:10</b>	<b>Antonietta Mira</b> Approximate Bayesian Computation for large-scale gene duplication networks		
<b>17:10 – 17:35</b>	<b>Laura Antolini</b> Modelling the impact of the time to the intermediate event in the illness death model		
<b>17:35 – 18:00</b>	<b>Paolo Giordani</b> Tensor-based methods for the analysis of hospital data		
<b>Room B</b>	<b>Contributed Session M</b> Statistical Methodology <b>Chair: Giota Touloumi</b>		
<b>16:20 – 16:40</b>	<b>Vassilis Vasdekis</b> A weighted composite likelihood estimators through an information criterion		
<b>16:40 – 17:00</b>	<b>Siddik Keskin</b> Multiple Factor Analysis with Its Basic Properties and An Application		
<b>17:00 – 17:20</b>	<b>Maroussia Slavtchova-Bojkova</b> Branching processes in continuous time as models of mutations		
<b>17:20 – 17:40</b>	<b>Giovanni Barone Adesi</b> DNA: an economist's perspective		
<b>17:40 – 18:00</b>	<b>Andrea Giussani</b> Conditional frailty Marshall-Olkin survival model for bivariate censored failure time data		
<b>Room A</b>	<b>Invited Session</b> Modern Incomplete Data Problems <b>Chair: C. Yiannoutsos</b>		
<b>18:00 – 18:25</b>	<b>Shanshan Li</b> Evaluating diagnostic accuracy of biomarkers in the presence of missing biomarkers		
<b>18:25 – 18:50</b>	<b>Ying Zhang</b> Two-stage semiparametrics analysis of skeletal growth around pubertal growth spurt with interval censored observations		
<b>18:50 – 19:15</b>	<b>Constantin T. Yiannoutsos</b> Inverse probability of censoring weights under missing not at random with applications to long term clinical outcomes		
<b>19:15 – 19:40</b>	<b>Giorgos Bakoyannis</b> Semiparametric regression of cumulative incidence function with interval-censored competing risks data		
<b>20:45</b>	<b>Conference Dinner</b>		

<b>FRIDAY</b>	<b>May 12<sup>th</sup>, 2017</b>	
<b>Room A</b>		
<b>08:40 – 09:30</b>	<b>Student Awards</b> <b>Chair: Constantine Gatsonis</b>	
<b>08:40 – 09:05</b>	<b>Christos Thomadakis</b> Misspecifying the covariance structure in a linear mixed model under MAR dropout	
<b>09:05 – 09:30</b>	<b>Marta Bofill Roig</b> The anticipated odds ratios to decide the choice of a primary binary endpoint	
<b>09:40 – 11:20</b>	<b>Parallel Sessions</b>	
	<b>Contributed Session N</b> Student Award Competition I	<b>Contributed Session O</b> Computational Statistics
<b>Room A</b>	<b>Contributed Session N</b> Student Award Competition I <b>Chair: Ping Hu</b>	
<b>09:40 – 10:00</b>	<b>Suriye Özgür</b> Fuzzy C Means Algorithm Applications on miRNA Gene Expression data and evaluation of miRNA pathways	
<b>10:00 – 10:20</b>	<b>Onur Camli</b> Bayesian Longitudinal Circular Data Modelling	
<b>10:20 – 10:40</b>	<b>Naime Meric Konar</b> The Use of Joint Modeling Approach in Personalized Medicine	
<b>10:40 – 11:00</b>	<b>Deniz Seçilmi</b> □ Deterministic Modeling and Inference of Biological Networks	
<b>11:00 – 11:20</b>	<b>Noa Molshatski</b> Optimal Sampling Designs of Two-Compartment Nonlinear Regression Models	
<b>Room B</b>	<b>Contributed Session O</b> Computational Statistics <b>Chair: Lefteris Angelis</b>	
<b>09:40 – 10:00</b>	<b>Stavroula A. Chrysanthopoulou</b> Comparative Analysis of Calibration Methods for Microsimulation Models: An application on the Mlcrosimulation Lung Cancer (MILC) model	
<b>10:00 – 10:20</b>	<b>Denitsa Grigorova</b> EMcorrProbit R package	
<b>10:20 – 10:40</b>	<b>Merve Basol</b> A Comprehensive Simulation Study for Comparison of Statistical Methods in MRMC ROC Studies	
<b>10:40 – 11:00</b>	<b>Angelika Geroldinger</b> Leave-one-out crossvalidation favors inaccurate estimators	
<b>11:00 – 11:20</b>	<b>Plamen Trayanov</b> Numerical approach to modelling mutation times in continuous time multi-type branching processes	
<b>11:20 – 11:50</b>	<b>Coffee Break</b>	

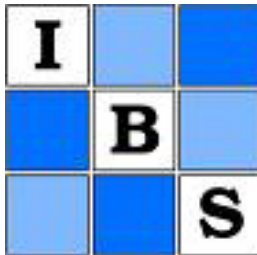


<b>FRIDAY</b>	<b>May 12<sup>th</sup>, 2017</b>	
	<b>Parallel Sessions</b>	
<b>11:50 – 13:30</b>	<b>Contributed Session P</b> Student Award Competition II	<b>Contributed Session Q</b> Designs of Trials
<b>Room A</b>	<b>Contributed Session P</b> Student Award Competition II <b>Chair: Dimitris Karlis</b>	
<b>11:50 – 12:10</b>	<b>Ozge Pasin</b> Three different approaches to diagnose of rheumatic diseases by using quality of life scores	
<b>12:10 – 12:30</b>	<b>Long Hong</b> Measuring Inequality from Incomplete Income and Survival Data	
<b>12:30 – 12:50</b>	<b>Katerina Papadimitropoulou</b> Using Pseudo Individual Patient Data in Random-effects Meta-analysis	
<b>12:50 – 13:10</b>	<b>Georgios Bartzis</b> Estimating metabolite networks subject to dietary preferences in the longitudinal setting	
<b>Room B</b>	<b>Contributed Session Q</b> Designs of Trials <b>Chair: Anna-Bettina Haidich</b>	
<b>11:50 – 12:10</b>	<b>Legesse Kassa Debusho</b> Algorithmic Construction of Optimal Block Designs for Two-Colour cDNA Microarray Experiments Using the Linear Mixed Effects Model	
<b>12:10 – 12:30</b>	<b>Satya Prakash Singh</b> Bayesian optimal cluster designs	
<b>12:30 – 12:50</b>	<b>Konstantinos Bougioukas</b> Overviews of Systematic Reviews with drugs, herbal medicine or dietary supplements	
<b>12:50 – 13:10</b>	<b>Panagiota Zygoura</b> Optimal dose finding for confirmatory studies	
<b>13:10 – 13:30</b>	<b>Concluding Remarks – End of Conference</b>	

Poster Session	Tuesday 9th May 2017
P1	<b>Athina Tsanousa</b> Differences in correlation structure of gene expression data, used for variable selection in Support Vector Machines algorithm
P2	<b>Sophia Rodopoulou</b> Methods for estimating the cumulative effect of correlated exposures: an application on the health effects of air pollution in Athens, Greece
P3	<b>Theodoros Moysiadis</b> Statistical evaluation of HPV-E7 oncoprotein detection as a triage method to colposcopy
P4	<b>Nestoras Chalkidis</b> Random Forest application on DNA methylation microarray data in CLL
P5	<b>Eirini Pagkalidou</b> A review of Bayesian methods in meta-analysis of diagnostic accuracy test studies
P6	<b>Niki Pandria</b> Analyzing Data from BCI Control of Robotic Arms
P7	<b>Asimakis Avramopoulos</b> Developing an R-script for semi-automated statistical analysis
P8	<b>Athanasios Mastrokostas</b> Perceived barriers of colorectal cancer screening in Northern Greece; a population survey of healthy adults.
P9	<b>Emmanouil Bouras</b> MTHFR C677T and multiple health outcomes: An umbrella review.
P10	<b>Konstantinos Pateras</b> Accounting for heterogeneity in a sparse-event meta-analysis of a few small trials
P11	<b>Duygu Aydin Hakli</b> How to Overcome Class Imbalance Problem
P12	<b>Pembe Keskinoglu</b> Estimation of blood pressure percentiles in healthy children using polynomial regression
P13	<b>Ahmet Keskinoglu</b> Evaluation of the performance of some data mining methods for hardly discriminated clinical diagnosis
P14	<b>Safinaz Ataoglu</b> Reliability and Validity of Short Forms of Some Scales for Used in Quality of Life in Rheumatic Diseases

Poster Session	Tuesday 9th May 2017
<b>P15</b>	<b>Ozge Pasin</b> Evaluation of Different Statistical Methods Used to Test for Agreement between the Results of Continuous Measurements
<b>P16</b>	<b>Merve Gulsah Ulusoy</b> Discovery Of Ensemble Methods On A Real Delirium Data From Hospital Database
<b>P17</b>	<b>Batuhan Bakirarar</b> Big Data and Usage in Data Mining Applications on Medicine
<b>P18</b>	<b>Nurgul Bulut</b> Assessment of diagnostic test results detected in independent samples, for correspondence with the Suzuki and standards methods
<b>P19</b>	<b>Mutlu Umaroglu</b> Impact of outliers in Meta-Analysis
<b>P20</b>	<b>Ebru Turgal</b> Joint Modeling of Longitudinal Measurements and Survival Time Data- a Simulation Study of Endogenous Time Dependent Covariates in JM versus in Extended Cox Model
<b>P21</b>	<b>Samrachana Adhikari</b> A Non-parametric Bayes Approach for Instrumental Variable Analysis
<b>P22</b>	<b>Luzia A. Trinca</b> Non-orthogonal multi-stratum design of experiments
<b>P23</b>	<b>Laura Marciano</b> A meta-analysis and meta-regression approach to Obsessive-Compulsive Disorder
<b>P24</b>	<b>Handan Ankarali</b> A New Hos Index for Academic Performance
<b>P25</b>	<b>Nikos Demiris</b> Computer-intensive methods for Model Selection in Animal Breeding

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