# **Appreciation Expressed to Members of the Representative Council!**

The Society is indebted to the retiring members of the Representative Council (RC) who have given selflessly of their time and service to IBS. **Thirty-two (32)** of our long-time members completed terms of service this year; moreover, many of the retiring RC mem-

bers have served as Committee Chairs, chaired the Local Organizing Committee (LOC) and International Program Committee (IPC) and participated in special task groups of the Society. Appreciation is expressed to the following outgoing members of the RC:

As of September 9, 2017

Region	Name	Country Code
Italian	Adriano DeCarli	ITA
Pakistan	Alia Sajjad	CAN
China	Andrew Xiao-Hua A. Zhou	USA
German	Annette Kopp-Schneider	GER
Eastern North American	Bradley P. Carlin	USA
Western North American	Christiana Drake	USA
Uganda	Dan K. Kajungu	UGA
Eastern Mediterranean	Ergun Karaagaoglu	TUR
Nordic	Geir Egil Eide	NOR
German	Hans-Peter Piepho	GER
French	Helene Jacqmin-Gadda	FRA
Korean	Jae Won Lee	KOR
Singapore	Jialiang Li	SGP
Spanish	Spanish Jose-Luis González Andðjar	
Ghana	Kaku Sagary Nokoe	GHA
Australasian	Kathy Ruggiero	NZL
Australasian	Kenneth G. Russell	AUS
Brazilian	Luzia Aparecida Trinca	BRA
Argentinean	Maria Gabriela Cendoya	ARG
the Netherlands	Marinus Eijkemans	NLD
the Netherlands	P.H.C. Eilers	NLD
Indian	Perumal Venkatesan	IND
British	Rachel McCrea	GBR

# **Appreciation Expressed to Members of the Representative Council!**

Continued from p. 4

As of September 9, 2017

Region	Name	Country Code
British	Ruth King	GBR
South Africa	Samuel Osmond Manda	ZAF
Japanese	Satoshi Hattori	JPN
Eastern North American	Scarlett L. Bellamy	USA
Argentinean	Sergio Bramardi	ARG
Eastern Mediterranean	Stergios Tzortzios	GRC
Eastern North American	Timothy D. Johnson	USA
Poland	Tomasz Burzykowski	BEL
Japanese	Yutaka Matsuyama	JPN

Our new and returning RC members are more important than ever, as they are responsible for sharing their unique perspectives on the issues that are of concern to individuals and the scientific community in all 35 IBS Regions. RC members are strongly encouraged to join us at an in-person meeting once every two years during the *IBC* (the next meeting will take place in Barcelona in July

2018), be willing to serve on a standing committee of the IBS and participate fully in their Region's activities/governance. Finally, RC members are also asked to share information they have learned at in-person Region and Network meetings.

We are pleased to present our RC members for 2017 through 2019:

#### Welcome to Our New / Returning Representative Council Members! (2017-2019)

As of September 9, 2017

Name	Region	Term Start	Term End
Pablo Reeb	Argentinean Region	7/1/2017	6/30/2021
Andrea Lavalle	Argentinean Region	7/1/2017	6/30/2021
Ross Darnell	Australasian Region	7/1/2015	6/30/2019
Alison Kelly	Australasian Region	7/1/2017	6/30/2021
Kevin Murray	Australasian Region	7/1/2017	6/30/2021
Hans Ulrich Burger	Austro-Swiss Region	7/1/2011	6/30/2019
Martina Mittelböck	Austro-Swiss Region	7/1/2013	6/30/2021
Andrea Berghold, Chair	Austro-Swiss Region	7/1/2013	12/31/2017

Name	Region	Term Start	Term End
Stijn Vansteelandt	Belgian Region	7/1/2011	6/30/2019
Catherine Legrand	Belgian Region	7/1/2017	6/30/2021
Njoku Ola Ama	Bostwanan Region	7/1/2011	6/30/2019
Clarice Garcia Borges Demetrio	Brazilian Region	7/1/2016	6/30/2019
Júlia Maria Pavan Soler	Brazilian Region	7/1/2013	6/30/2021
Renato Martins Assunção	Brazilian Region	7/1/2011	6/30/2021
Daniel Farewell	British and Irish Region	7/1/2015	6/30/2019

#### As of September 9, 2017

As of September			
Name	Region	Term Start	Term End
Nicole Augustin	British and Irish Region	7/1/2017	6/30/2021
Michael Sweeting	British and Irish Region	7/1/2017	6/30/2021
Sergio Muñoz	Chilean Region	7/1/2015	6/30/2019
Xiao-Hua A. Zhou	Chinese Region	7/1/2012	6/30/2021
Pingyan Chen	Chinese Region	7/1/2012	6/30/2021
Urania Dafni	Eastern Mediterranean Region	7/1/2017	6/30/2021
Ori Davidov	Eastern Mediterranean Region	7/1/2017	6/30/2021
H. Refik Burgut	Eastern Mediterranean Region	7/1/2017	6/30/2021
Nandita Mitra	Eastern North American Region	7/1/2013	6/30/2021
Dionne Price	Eastern North American Region	7/1/2013	6/30/2021
Brisa Sanchez	Eastern North American Region	7/1/2017	6/30/2021
KyungMann Kim	Eastern North American Region	7/1/2013	6/30/2019
Pascale Tubert-Bitter	French Region	7/1/2015	6/30/2019
Meinhard Kieser	German Region	7/1/2017	6/30/2021
Jürgen Kübler	German Region	7/1/2017	6/30/2021
Katja Ickstadt	German Region	7/1/2015	6/30/2019

Name	Region	Term Start	Term End
lris Pigeot-Kübler	German Region	7/1/2015	6/30/2019
Stefania Galimberti	Italian Region	7/1/2015	6/30/2019
Takashi Sozu	Japanese Region	7/1/2017	6/30/2021
Masataka Taguri	Japanese Region	7/1/2011	6/30/2021
Shizue Izumi	Japanese Region	7/1/2013	6/30/2019
Henry Kissinger Ochieng Athiany	Kenyan Region	7/1/2017	6/30/2021
Taesung Park	Korean Region	7/1/2015	6/30/2019
Dimitris Rizopoulos	the Netherlands Region	7/1/2015	6/30/2019
E.Tejumola Jolayemi	Nigerian Region	7/1/2011	6/30/2019
Ethelbert C. Nduka	Nigerian Region	7/1/2015	6/30/2019
Dietrich von Rosen	Nordic-Baltic Region	7/1/2015	6/30/2019
Cornelia Enachescu	Romanian Region	7/1/2011	6/30/2019
Miguel-Angel Martinez- Beneito	Spanish Region	7/1/2015	6/30/2019
Nuria Porta	Spanish Region	7/1/2017	6/30/2021
Agnes Kiragga	Ugandan Region	7/1/2017	6/30/2021
Carl J. Schwarz	Western North American Region	7/1/2015	6/30/2019
Antje Hoering	Western North American Region	7/1/2013	6/30/2021
Layla Parast	Western North American Region	7/1/2017	6/30/2021
Betty Mawire	Zimbabwean Region	7/1/2015	6/30/2019

# BARCELONA IBC 2018

#### XXIX INTERNATIONAL BIOMETRIC CONFERENCE

Barcelona, 8-13 July, 2018

#### **CoChairs**

**Lupe Gómez** (Past President SEB, Universitat Politècnica de Catalunya)

Pere Puig (Universitat Autònoma de Barcelona)

#### **Local Organising Committee**

**Imma Aróstegui** (President SEB, Universidad País Vasco)

Malu Calle (Past President SEB, Universitat de Vic)

Ramón Clèries (Vocal Societat Catalana d'Estadistica, ICO)

María Durbán (IP BIOSTATNET, Universidad Carlos III)

Klaus Langohr (Universitat Politècnica de Catalunya, IMIM)

Montse Rué (Universitat de Lleida)

Marc Sáez (Universitat de Girona)

**Alex Sánchez** (Past President SEB, Universitat de Barcelona)

Isabel Serra (Centre de Recerca Matemàtica)

#### **International Program Committee**

Charmaine Dean (WNAR) - CHAIR

Renato Assunção (Brazil)

Simon Bonner (ENAR)

Paolo Canas Rodrigues (Brazil)

**Daniel Commenges** (France)

Legesse Kassa Debusho (South Africa)

Melissa Dobbie (Australia)

Jeanine Duistermaat-Houwing (The Netherlands)

Mark Girolami (Great Britain)

Lupe Gómez (Spain)

Antje Hoering (WNAR)

Ludwig Hothorn (Germany)

Shirley Pledger (New Zealand)

Pere Puig (Spain)

Lola Ugarte (Spain)

Xiao-Hua A. Zhou (China)

Fred van Eeuwijk (The Netherlands)



**IBC2018 Call for Papers Now Open!** 

http://2018.biometricconference.org/

### **IBC2018 Short Courses and Invited Sessions Announced!**

The IBS has announced the *IBC2018* short courses being planned for Sunday, 8 July 2018 in Barcelona, Spain, as well as the invited session program. For more information on the five short courses and invited sessions, please visit the conference website: http://2018.biometricconference.org.

### **IBC2018 Short Courses**

### Course I: Mediation Analysis Using R

#### Theis Lange

University of Copenhagen Copenhagen, Denmark

#### Stijn Vansteelandt

Ghent University Ghent, Belgium

#### Course 2: Multivariate Dimension Reduction for Biological Data Integration

#### Kim-Anh Lê Cao

The University of Melbourne Melbourne, Australia

#### Sébastien Déjean

Institute of Mathematics, Sabatier University Toulouse, France

## Course 3: The Analysis of Interval-Censored Observations

#### **Emmanuel Lasaffre**

University of Leuven Leuven, Belgium

#### Arnošt Komárek

Charles University Prague, Czech Republic

### Course 4: Network Meta-Analysis with R

#### Gerta Rücker

University of Freiburg Freiburg, Germany

#### **Guido Schwarzer**

University of Freiburg Freiburg, Germany

#### James R. Carpenter

London School of Hygiene London, UK

### Course 5: Compositional Data Analysis

#### Josep-Antonio Martín-Fernandez

University of Girona Girona, Spain

#### Jan Graffelman

University of Catalonia Barcelona, Spain

### **IBC2018 Invited Sessions**

Recent developments in the design and analysis of crop variety and breeding trials

**Chair: Hans-Peter Piepho** (University of Hohenheim, Germany)

#### Johannes Forkman (SLU, Sweden)

Design and analysis of small complete block experiments when blocks are rows in a rectangle

**Emlyn Williams** (Australian National University, Australia) Design considerations for single and multi-location breeding trials: Randomization and efficiency

Fred van Eeuwijk (Wageningen University,

the Netherlands)

Modelling spatial trends in field trials by 2D P-splines in a mixed model context

**Discussant: Chloe Boyard** (Biostat Team Limagrain Europe, France)

### Dynamic individualised risk prediction: Recent developments and real world applications

**Chair: Ruth Keogh** (London School of Hygiene and Tropical Medicine, UK)

**Peter Diggle** (Lancaster University, UK) Real-time monitoring of health outcomes using routine clinical data

**Angela Wood** (University of Cambridge, UK) Estimating cardiovascular disease risk in electronic health records with incomplete records and repeated measurements of risk predictors

**Cecile Proust-Lima** (University of Bordeaux, France) Dynamic individualized predictions of cause-specific disease progression using repeated measures of biomarkers: comparison between joint models and dynamic landmark models and application in prostate cancer

**Discussant: Jeremy Taylor** (University of Michigan, USA)

Analysis methods using multiple type of -omics measurements

**Chair: Charles Kooperberg** (Fred Hutchinson Cancer Research Center, USA)

**Nancy J. Cox** (Vanderbilt University, USA) Integrating genome with transcriptome for Electronic Health Records discovery

#### Jeanine Houwing-Duistermaat

(University of Leeds, UK)

Statistical methods for integrated data analysis of multiple omics data sets

**Jian Yang** (University of Queensland, Australia) Summary-data based Mendelian randomisation analysis

#### **Hongyu Zhao** (Yale University, USA)

Integrative tissue and cell-type specific functional annotations in the human genome provide novel insights on many complex traits

#### **No Discussant**

### Statistical methods for high throughput phenotyping data in plant sciences

**Chair: Fred van Eeuwijk** (Wageningen University, the Netherlands)

**Scott Chapman** (University of Queensland, Australia) High Throughput Phenotyping in crops — challenges and needs in biometrics

**Maria Xosé Rodríguez-Álvarez** (Basque Center for Applied Mathematics, Spain)

Spatio-temporal modeling of high-throughput phenotypic data

**Hiroyoshi Iwata** (University of Tokyo, Japan)

Modelling response of plants to environment via high-throughput phenotyping and machine leaning

**Discussant: Fred van Eeuwijk** (Wageningen University, the Netherlands)

Functions of variance components in mixed effects models: estimation, confidence intervals, hypothesis tests and boundary issues

**Chair: Nino Demetrashvili** (National Center for Disease Control and Public Health, Georgia)

**Alan Welsh** (Australian National University, Australia) Construction of confidence intervals for the components of variance when the components are close to the boundary of the parameter space

**Regev Schweiger** (Tel Aviv University, Israel) Using stochastic approximation techniques to efficiently construct accurate confidence intervals for heritability

**Mohamed M. Shoukri** (King Faisal Specialist Hospital and Research Centre, Saudi Arabia)

Index of individuality and the determination of the reference range of biochemistry parameters: point, interval estimation and sample size requirements

**Barbora Kessel** (University of Göttingen, Germany) TBD

**Discussant: Geert Molenberghs** (Hasselt University and KU Leuven, Belgium)

### Statistical analysis of self-reported outcomes that are subject to measurement error

**Chair: Laurence Freedman** (Gertner Institute for Epidemiology and Health Policy Research, Israel)

**Ruth Keogh** (London School of Hygiene and Tropical Medicine, UK)

Statistical issues related to dietary intake as the response variable in intervention trials

**David Steinberg** (Tel Aviv University, Israel)

Measurement error in calibration sub-studies

**Raji Balasubramanian** (University of Massachusetts – Amherst, USA)

Variable selection in high dimensional datasets in the presence of error-prone, self-reported outcomes

**Juned Siddique** (Northwestern University, USA) Addressing Differential Measurement Error in Self-Reported Dietary Data Using an External Validation Study: Application to a Longitudinal Lifestyle Intervention Trial

#### **No Discussant**

## Experimental Design as a Framework for Solving Challenging Problems in Clinical Drug Development

Chair: Jesús López-Fidalgo (University of Navarre, Spain)

**Holger Dette** (Ruhr-Universität Bochum, Germany) Design and analysis of dose response studies

**Nancy Flournoy** (University of Missouri, USA) Statistical implications of early stopping rules imposed on sequential dose-finding studies

**Atanu Biswas** (Indian Statistical Institute, India) Optimal covariate adjusted adaptive designs for binary response trials

#### Katrin Kettelhake & Katrin Roth (Bayer AG

Development Pharmaceuticals, Germany)
Experimental Design in Theory and Praxis: Examples from the Pharmaceutical Industry

#### Weng Kee Wong (UCLA, USA)

Nature-Inspired Meta-heuristic Algorithms for Generating Efficient Designs for Biomedical Problems

**Discussant: Vladimir Dragalin** (Janssen Pharmaceuticals, USA)

### Statistical challenges in family studies: from design to risk prediction

**Chair: Mar Rodríguez-Girondo** (Leiden University Medical Centre, the Netherlands)

**Thomas Scheike** (University of Copenhagen, Denmark) Dependence in risk-level and age-of-onset for competing risks data

#### Malka Gorfine (Tel Aviv University, Israel)

A fully nonparametric estimator of the marginal survival function based on case—control clustered age-at-onset data

**Antonis Antoniou** (University of Cambridge, UK) Developing comprehensive risk prediction models for familial breast and ovarian cancer

**Jeanine Houwing-Duistermaat** (Leeds University, UK) Modelling mortality in long lived families

**Discussant: Mar Rodríguez-Girondo** (Leiden University Medical Centre, the Netherlands)

#### Adaptive designs with multiple objectives

Chair: Martin Posch (Medical University of Vienna, Austria)

**Cyrus Mehta** (Cytel & Harvard T.H. Chan School of Public Health, USA)

Design and Monitoring of Multi-Arm Multi-Stage Clinical Trials

#### Toshimitsu Hamasaki (National Cerebral and

Cardiovascular Center, Japan)

Designing complex survival clinical trials with multi-stage and multiple endpoints

**Lisa Hampson** (AstraZeneca & Lancaster University, UK) Optimising the data combination rule for seamless Phase II/III clinical trials

**Franz König** (Medical University of Vienna, Austria)
Decision Theoretic Approaches for Adaptive Enrichment Designs in Personalized Medicine

**Discussant: Hans Ulrich Burger** (F. Hoffmann – La Roche Ltd., Switzerland)

### The Bleeding Edge: advancing statistical methodology through blood sector applications

**Chair: Louise M. Ryan** (University of Technology Sydney, Australia)

#### **Emmanuel Lesaffre** (KU Leuven, Belguim)

Prediction of hemoglobin in blood donors using a latent class mixed-effects transition model

**Martin Nieuwoudt** (Stellenbosch University, South Africa) The South African National Blood Donor Services: Analysis and Modeling issues for an undescribed cohort.

**Stephen Wright** (Australian Red Cross Blood Service & University of Technology Sydney, Australia)

With millions of donors giving blood, can we identify the optimal donor/donation type for a given immediate need?

#### **No Discussant**

### Modelling grouped environmental and forestry data

**Chair: Lauri Mehtätalo** (University of Eastern Finland, Finland)

**Juha Lappi** (University Eastern Finland & University of Jyväskylä, Finland)

Some pitfalls of mixed models

**Arne Nothdurft** (University of Natural Resources and Life Sciences Institute of Forest Growth, Austria)
Spatial and temporal modelling in forest monitoring

**Andrew Finley** (Michigan State University, USA) Bayesian modeling of grouped environmental data

**Discussant: Lauri Mehtätalo** (University of Eastern Finland, Finland)

### Challenges in the Analysis of Observational Cohort Data

**Chair: Jerry Lawless** (University of Waterloo, Canada)

**Richard J. Cook** (University of Waterloo, Canada) Response-dependent sampling and tracing in cohort studies of chronic diseases: methods for design and analysis

**Niels Keiding** (University of Copenhagen, Denmark) Observational cohort studies and register data – experiences from Denmark

**Daniela De Angelis** (University of Cambridge, UK) Challenges in estimating HIV testing behaviour from observational cohort data

#### **No Discussant**

#### New developments in mediation analysis

**Chair: Stijn Vansteelandt** (Ghent University & London School of Hygiene and Tropical Medicine, Belgium)

**Tyler VanderWeele** (Harvard T.H. Chan School of Public Health, USA)

Decomposition analysis to identify intervention targets for reducing disparities

**Rhian Daniel** (London School of Hygiene and Tropical Medicine, UK)

Mediation analysis with high-dimensional mediators

Xi Luo (Brown University, USA)

Pathway Lasso: Estimate and Select Mediation Pathways with High Dimensional Mediators

**Theis Lange** (University of Copenhagen & Peking University, Denmark)

Mediation analysis acknowledging that the true mediator is a process, not a (collection) of variables

**Discussant: Stijn Vansteelandt** (Ghent University & London School of Hygiene and Tropical Medicine, Belgium)

#### Multi-State Models With Interval-Censored Data

**Chair: Klaus Langohr** (Polytechnic University of Catalonia, Spain)

**Ahmadou Alioum** (Université de Bordeaux, France) Inference in multi-state models for interval-censored data

**Montserrat Rúe** (Universitat de Lleida, Spain) Factors associated with health resources utilization in Catalan patients with chronic diseases: A multi-state approach

**Andrew Titman** (Lancaster University, UK) Joint models for multi-state models with informative observation processes

#### No Discussant

#### Digital technologies and the impact in biometry

**Chair: Renato Assunção** (Universidade Federal de Minas Gerais, Brazil)

**Maged N. Kamel Boulos** (University of the Highlands and Islands, Scotland)

VRGIS and big data for smarter, healthier cities

**Joanna Mills Flemming** (Dalhousie University, Canada) Robust and Consistent Estimation for General State-Space Models with Application to Problems in Fisheries Science and Movement Ecology

**Gilberto Câmara** (Instituto Nacional de Pesquisas Espaciais (INPE), Brazil)

Challenges in big Earth observation data mining

**Discussant: Arthur Charpentier** (Université de Rennes I, Canada)

### Statistical methods and challenges in microbiome research

**Chair: M. Luz Calle** (University of Vic – Central University of Catalonia, Spain)

**Hongzhe Li** (University of Pennsylvania, USA) Compositional Mediation Analysis in Microbiome Studies

**Kim-Anh Lê Cao** (University of Queensland, Australia) Multivariate projection-based methods to uncover the role of microbiome

**Susan Holmes** (Stanford University, USA) TRD

**Discussant: M. Luz Calle** (University of Vic – Central University of Catalonia, Spain)

### Design-based and model-based inference in environmental and natural resources surveys

**Chair: Svetlana Saarela** (Swedish University of Agricultural Sciences, Sweden)

**Timothy G. Gregoire** (Yale University, USA) The Use of Mixed Effects Models for Obtaining Low-Cost Ecosystem Carbon Stock Estimates in Mangroves of the Asia-Pacific

**Ronald E. McRoberts** (USD Forest Service, USA) Comparing optimal design criteria for model-based adaptive sampling

**Mark J. Ducey** (University of New Hampshire, USA) Design-based inference: is it still relevant in the 21st century?

**Annika Kangas** (Natural Resources Institute Finland, Finland) Model-assisted estimation for small areas

**Discussant: Svetlana Saarela** (Swedish University of Agricultural Sciences, Sweden)

### Quantifying and Communicating Uncertainty in Agricultural Modelling

**Chair: Petra Kuhnert** (Commonwealth Scientific and Industrial Research Organisation (CSIRO) Data61, Australia)

**Dan Gladish** (CSIRO Data61, Australia)

Uncertainty in complex agricultural simulators – is emulation the answer?

**Bill Leeds** (The Climate Corporation, USA) From the ground up: Data Science to Agronomic Insight

**Daniela Bustos Korts** (Wageningen University, the Netherlands)

The role of crop growth models in the evaluation of genetic interventions and phenotyping strategies

**Petra Kuhnert** (CSIRO Data61, Australia) Developing an uncertainty toolbox for Agriculture

**Discussant: Bronwyn Harch** (Queensland University of Technology, Australia)



Hein Putter, winner and organizer of the Spring Meeting.



Jeanine Houwing-Duistermaat, former President BMS-ANed.



Ernst Wit, President BMS-ANed.

Joanna in 't Hout

### **Eastern Meditteranean Region (EMR)**

#### 9th EMR-Italian Region Conference, Thessaloniki

The 9th Eastern Mediterranean and Italian Region – International Biometric Society Conference took place in Thessaloniki, Greece 8–12 May 2017. Thessaloniki, being at the crossroads of different civilizations and religions, is a city that embodies the nature of EMR. This was the regular biannual meeting of EMR. This year it was organized jointly with the Italian Region. As always, the conference brought together researchers from around the world in this beautiful place. There were around 200 participants from 23 countries all over the world. The entire meeting was devoted to the memory of Prof. Marvin Zelen (Harvard University), a keen supported of EMR, who passed away in November 2014.

During the four days of the scientific program there were 110 talks and 25 posters. The meeting included several invited and contributed sessions. Continuing the tradition of EMR meetings, there was an Italian-Spanish session to support the network activities between the Eastern Mediterranean, Italian and Spanish Regions.

The social events started with a welcome party on the roof of the MET hotel with a view towards the entire city. The weather permitted everyone to stay until late, and the participants enjoyed the relaxing atmosphere. An excursion to ancient Vergina where the temple of Philippos, father of Alexander the Great, was found, took place Wednesday. Finally, a gala dinner with Latin music in a spectacular building with a view of the gulf Thursday night ended with most participants dancing.

As far as the scientific part of the meeting, Sharon-Lise Normand (Harvard University) was the winner of the *Marvin Zelen Keynote Speaker Award*, which is supported by Frontier Science Foundation Hellas (FSFH).

Christos Thomadakis (University of Athens, Greece), Marta Bofill Roig (Univercity Polytechnica de Catalunya, Spain) and George Bartzis (Leiden University, the Netherlands) were the winners of the *Lagakos Student Awards* that have been established since 2011 from FSFH to honor the memory of Prof. Steve Lagakos.

IBS supported students from Italy and Spain to participate in the conference.

The next EMR conference is planned to be held in Israel in 2019.



George Bartzis (Leiden University) receiving his Lagakos Award from Prof. KyungMann Kim.



Christos Thomadakis (University of Athens) receiving his Lagakos Award from Prof. Ourania Dafni.



Marta Boffil (University Polytechnica de Catalunya) receiving her Lagakos Award from Prof. John Hinde.

## **MEETINGS**

#### 2017

#### 4 - 5 October

German Region Two-day Course on Baysesian Clinical Trials

**Ulm University** 

Senatssaal, Helmholtzstrasse 16

http://www.biometrische-gesellschaft.de/arbeitsgruppen/bayes-methodik/workshops/2017-ulm.html

#### 17 - 20 October

Argentinian Region XXII Reunion Cientifica
Facultad de Ciencias Económicas y Estadística,
Universidad Nacional de Rosario
Argentina

http://www.cie2017.s-a-e.org.ar/congreso.php?modulo=1

#### 24 - 27 October

The Jamaica Statistics Symposium and Pre-conference Workshop Series 2017
"Statistics for Success: Ethics, Data Quality and Security"
Kingston, Jamaica
jssbiennial.rc@gmail.com

#### II - I5 November

VI Iberoamerican Meeting of the RCAC
Central Campus of the University of the Armed
Forces
Sangolquí, Ecuador
http://www.biometriaecuador2017.com/

26 – 30 November Australasian Regional Conference

Kingscliff, NSW, Australia http://www.biometricsociety.org.au/

#### 7 - 8 December

Workshop "Bayesian methods for hierarchical distance sampling models"

Hannover

http://www.biometrische-gesellschaft.de/arbeitsgruppen/bayes-methodik/workshops/2017-hannover.html

#### 2018

25 – 28 March ENAR Spring Meeting Atlanta, GA, USA http://www.enar.org/meetings/future.cfm

24 – 28 June WNAR/IMS Meeting Edmonton, Canada www.wnar.org

#### 8 - 13 July

XXIXth International Biometric Conference
Barcelona, Spain

http://www.biometricsociety.org/meetings-events/ibcs/

July 28 – August 2 Joint Statistical Modeling Vancouver, BC, Canada

http://www.imstat.org/meetings/2018.htm

26 – 30 August Annual Conference of ISCB and Biennial ASC Melbourne, Australia www.iscbasc2018.com

#### 2019

24 – 27 March ENAR Spring Meeting Philadelphia, PA, USA http://www.enar.org/meetings/future.cfm