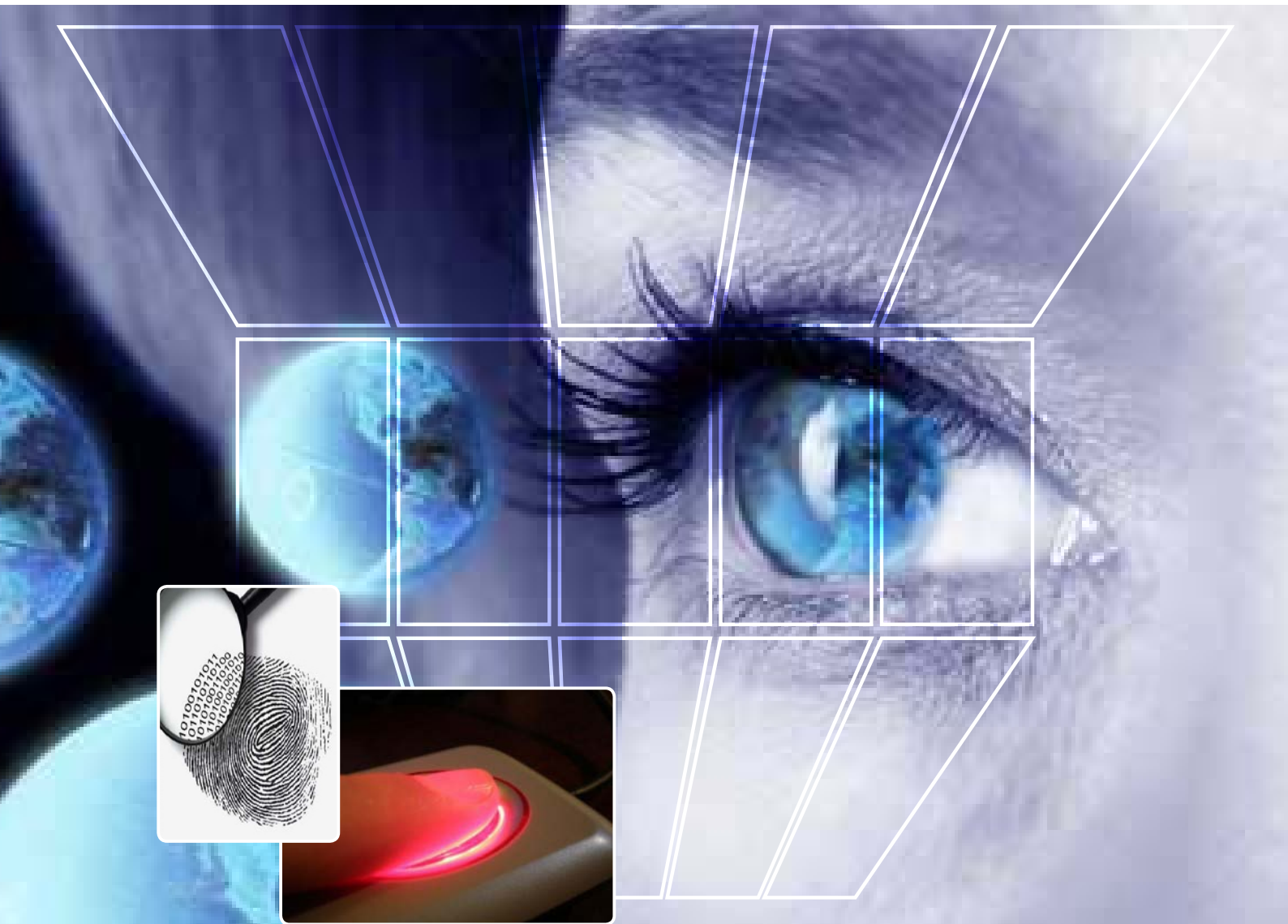


Scientific Program



International Conference and Exhibition on **Biometrics & Biostatistics**

March 5-7, 2012 Omaha Marriott, USA



Conference Secretariat

5716 Corsa Ave., Suite 110, Westlake, Los Angeles, CA 91362-7354, USA
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<http://omicsonline.org/biometrics2012>

Upcoming Conferences



World Congress on

Gastroenterology & Urology

12-14 March 2012 Omaha Marriott, Omaha, USA



World Congress on

Earth Science & Climate Change

21-22 August 2012 Hilton Chicago/Northbrook, USA



3rd World Congress on
Biotechnology

13-15 September 2012
Hyderabad International Convention Center, India



International Conference and Exhibition on
Nanotechnology & Nanomedicine

12-14 March 2012 Omaha Marriott, Omaha, USA



2nd World Congress on
Virology

20-22 August 2012 Renaissance Las Vegas, USA



International Conference on
**Biodiversity and Sustainable
Energy Development**

14-15 September 2012
Hyderabad International Convention Center, India



3rd World Congress on
Bioavailability & Bioequivalence:
Pharmaceutical R & D Summit

26-28 March 2012 Hyderabad Marriott Hotel, India



International Conference on

Addition Research and Therapy

20-22 August 2012 Renaissance Las Vegas, USA



International Conference and Exhibition on
**Solar Systems &
Power Generation Technologies**

14-15 September 2012
Hyderabad International Convention Center, India



International Conference and Exhibition on
Neurology & Therapeutics

14-16 May 2012 Renaissance Las Vegas, USA



International Conference on
Pathology

27-29 August 2012 DoubleTree by Hilton Philadelphia, USA



International Conference and Exhibition on
Hotel & Business Management

14-15 September 2012
Hyderabad International Convention Center, India



International Conference and Exhibition on
Biosensors and Bioelectronics

14-16 May 2012 Renaissance Las Vegas, USA



International Conference on

Pulmonary & Respiratory Medicine

27-29 August 2012 DoubleTree by Hilton Philadelphia, USA



International Conference and Exhibition on
Translational Medicine

17-19 September 2012 Holiday Inn San Antonio, USA



2nd World Congress on
Proteomics & Bioinformatics

2-4 July 2012 Renaissance Las Vegas, USA



International Conference and Exhibition on
Nutritional Science & Therapy

27-29 August 2012 DoubleTree by Hilton Philadelphia, USA



World
Toxicology Summit and Expo

17-19 September 2012 Holiday Inn San Antonio, USA



3rd World Congress on
Biomarkers & Clinical Research

2-4 July 2012 Renaissance Las Vegas, USA



Conference on
**Central Nervous System - Drugs
Effecting & Novel Drug Development**

27-29 August 2012 DoubleTree by Hilton Philadelphia, USA



3rd World Congress on
Diabetes & Metabolism

24-26 September 2012
Hyderabad International Convention Center, India



International Conference and Exhibition on
Orthopedics

13-15 August 2012 Hilton Chicago/Northbrook, USA



**Occupational Health & Safety
Summit**

27-29 August 2012 DoubleTree by Hilton Philadelphia, USA



2nd World Congress on
Pediatrics & Gynaecology

24-26 September 2012
Hyderabad International Convention Center, India



International Conference and Exhibition on
Rheumatology & Therapeutics

14-15 August 2012 Hilton Chicago/Northbrook, USA



2nd World Congress on
Cancer Science & Therapy

10-12 September 2012 Hilton San Antonio Airport, USA



OMICS International
**Integrative Biology
Summit**

1-3 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



2nd World Congress on
Vaccines & Vaccination

20-22 August 2012 Hilton Chicago/Northbrook, USA



International Conference on
Hydrology and Ground Water Expo

10-12 September 2012 Hilton San Antonio Airport, USA



International Conference on
Emerging Cell Therapies

1-3 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference and Exhibition on
Nephrology & Therapeutics

20-22 August 2012 Hilton Chicago/Northbrook, USA



World Congress & Expo on
Biowaivers and Biosimilars

10-12 September 2012 Hilton San Antonio Airport, USA



**Annual Pharmacovigilance &
Clinical Trials Conference**

1-3 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference on
Tissue Science & Engineering
1-3 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference and Exhibition on
Computer Aided Drug Design & QSAR
29-31 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



2nd World Congress
Pharmaceutical Regulatory Affairs
23-24 November 2012
Hyderabad International Convention Center, India



World Congress on
Forensic Research & Technology
15-17 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



World Congress on
Regenerative & Functional Medicine
12-14 November 2012 Hilton San Antonio Airport, USA



International Conference and Exhibition on
Cosmotology & Cosmetics
23-24 November 2012
Hyderabad International Convention Center, India



International Conference on
Biothreat & Biodefense
15-17 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



2nd World Congress on
Cell Science & Stem Cell Research
12-14 November 2012 Hilton San Antonio Airport, USA



International Conference on
Hair Transplantation & Trichology
26-28 November 2012 Hilton San Antonio Airport, USA



International Conference on
Otolaryngology
15-17 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference on
Clinical Microbiology & Microbial Genomics
12-14 November 2012 Hilton San Antonio Airport, USA



World Congress on
Novel Approaches in Anesthesia and Perioperative Care
26-28 November 2012 Hilton San Antonio Airport, USA



International Conference on
Clinical and Cellular Immunology
22-24 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference on
Material Sciences & Engineering
Hilton San Antonio Airport, USA



International Conference and Exhibition on
Surgery and Transplantation
26-28 November 2012 Hilton San Antonio Airport, USA



International Conference on
Genetic Syndromes & Gene Therapy
22-24 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



Global Biofuels and Bioproduct Summit
19-21 November 2012 Hilton San Antonio Airport, USA



GMP & GCP: USA, Europe, Japan & Asia Pacific
3-5 December 2012
DoubleTree by Hilton Philadelphia, USA



International Expo and Conference on
Analytrix and HPLC
22-24 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference and Exhibition on
Probiotics
19-21 November 2012 Hilton San Antonio Airport, USA



QC, QA and Validation
3-5 December 2012
DoubleTree by Hilton Philadelphia, USA



World Congress on
Personalised Medicine & Molecular Diagnostics
29-31 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference and Exhibition on
Food Processing and Technology
22-24 November 2012
Hyderabad International Convention Center, India



2nd World Congress on
Nanotek and Expo
3-5 December 2012
DoubleTree by Hilton Philadelphia, USA



4th World Congress on
Bioavailability & Bioequivalence:
Pharmaceutical R & D Summit
29-31 October 2012
DoubleTree by Hilton Chicago - Northshore, USA



3rd world Congress on
Analytical & Bioanalytical Techniques
22-24 November 2012
Hyderabad International Convention Center, India



International Conference on
Obesity & Weight Management
3-5 December 2012
DoubleTree by Hilton Philadelphia, USA

Conference Secretariat

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18:00-19:00 Registrations

04 March 2012

Day 1 05 March 2012

08:00-09:00 Registrations

08:00-08:30 Breakfast



Breakout Room 1
9:30-10:00

Opening Ceremony

Keynote Forum

10:00-10:05 Introduction

10:05-10:30 **Prof. Momiao Xiong**

University of Texas School of Public Health, USA

Coffee Break 10:30-10:40

10:40-11:05 **Prof. Corrado Priami**

Centre for Computational and Systems Biology, University of Trento, Italy

11:05-11:30 **Prof. Philip Rowe**

University of Strathclyde, UK

11:30-11:55 **Dr. Mogens Fenger**

Hvidovre University Hospital, Denmark

11:55-12:20 **Prof. Sayed Kamel Goda**

Southampton University, UK

Track 1: Medical and Clinical Biostatistics

Track 2: Computer Science and Systems Biology

Track 3: Biostatistics and Bio-systems Engineering

Session Introduction

12:20-12:40 **Title: Projection of long-term outcomes using X-rays and pooled cytology in lung cancer screening**

Dr. Dongfeng Wu, University of Louisville, USA

Lunch Break 12:40-13:20

13:20-13:40 **Title: Evaluation of the Medical Diagnostic Tests for Correlated Data**

Dr. Gui-shuang Ying, University of Pennsylvania, USA

13:40-14:00 **Title: Nonparametric analysis of clustered ROC curve data: Optimal weight determination**

Dr. Yougui Wu, University of South Florida, USA

14:00-14:20 **Title: Bivariate phase II clinical trial designs incorporating toxicity and response on different schedules**

Dr. Herman E. Ray, Kennesaw State University, USA

14:20-14:40 **Title: Bayesian inference for genomic data integration reduces misclassification rate in predicting protein-protein interactions**

Dr. Chuanhua Xing, Boston University School of Public Health, USA

14:40-15:00	Title: Collaborative and inter-disciplinary modeling of large-scale biological systems. Dr. Tomas Helikar, University of Nebraska at Omaha, USA
15:00-15:20	Title: Validation and security features of a graphical database interface Dr. Marc Rendell, Creighton University School of Medicine, USA
15:20-15:40	Title: Time series analysis of seasonal influenza viruses during the past two decades: new insights into vaccine strain selection Dr. Guoqing Lu, University of Nebraska, Lincoln, USA
Coffee Break 15:40-15:50	
15:50-16:10	Title: Cloud computing infratstructure for biological eco systems Dr. Janaka Balasooriya, Arizona State University, USA
16:10-16:30	Title: Targeted clinical examination may assist primary health care providers in identifying adult acquired major upper-limb amputees with extra rehabilitational needs Dr. Kristin Ostlie, Innlandet Hospital Trust, Norway
16:30-16:50	Title: A Facilitated Interface for Flexible Database Management using Popular Software Dr. Marc Rendell, Creighton University School of Medicine, USA
16:50-17:10	Title: Should we use alternatives to ratios in cancer evaluations? A prostate cancer example Dr. Timothy L. Righetti, University of Guam, USA
17:10-17:30	Title: Virtual Microscopy beyond the Pyramids, Applications of WSI in Cairo University for E-education & Telepathology Prof. Essam Ezzat Ayad, Cairo University, Egypt
Dinner	Sponsored by: Journal of Biometrics & Biostatistics
	20:05-20:35

Day 2 06 March 2012

08:00-09:00	Registrations
08:30-09:00	Breakfast
Breakout 1	
	Track 4-1: Next Generation Sequencing and Rare Variants Track 4-2: Statistical Genetics and Population Genetics
Session Introduction	
09:00-09:20	Title: Quantitative Trait Locus (QTL) analysis for next-generation sequencing with the functional linear models Prof. Momiao Xiong, University of Texas School of Public Health, USA
09:20-09:40	Title: Asymptotic properties and convergence rate in solving models of linkage disequilibrium Dr. Jiangtao Luo, University of Nebraska Medical Center, USA
09:40-10:00	Title: Hierarchical generalized linear models for multiple groups of rare and common variants: Jointly estimating group and individual-variant effects Dr. Nengjun Yi, University of Alabama, USA
10:00-10:20	Title: A novel application of pattern recognition for accurate SNP and indel discovery from high-throughput data: targeted resequencing of the glucocorticoid receptor co-chaperone FKBP5 in a Caucasian population Dr. Linda Pellegymounter, Mayo Clinic, USA
10:20-10:40	Title: Group exponential penalties for bi-level variable selection involving rare variants Dr. Patrick Breheny, University of Kentucky, USA
10:40-11:00	Title: Model based fuzzy clustering and its application to avian influenza viruses Dr. Shunpu Zhang, University of Nebraska, Lincoln, USA

11:00-11:20	Title: Stochastic deletion-Insertion algorithms for constructing large-scale linkage maps Dr. Jixiang Wu, South Dakota State University, USA
Coffee Break 11:20-11:35	
	Track 4-3: Genetic Association Studies Track 4-4: Microarray Analysis Track 5: Regression Analysis Track 6: Sampling Techniques Track 7: Biometrics
Session Introduction	
11:35-11:55	Title: Pathway-based identification of SNPs predictive of survival Dr. Herbert Pang, Duke University School of Medicine, USA
11:55-12:15	Title: Improved mean estimation for high-dimensional data and its application to diagonal discriminant analysis Dr. Tiejun Tong, Hong Kong Baptist University, China
12:15-12:35	Title: Higher criticism for high dimensional regression with application to gene detection Dr. Zheyang Wu, Worcester Polytechnic Institute, USA
12:35-12:55	Title: A data mining method for identifying single and differentially expressed assay-specific signatures in functional genomic studies Dr. Derrick K. Rollins, Iowa State University, USA
12:55-13:15	Title: Pseudo-empirical likelihood-based method using calibration for longitudinal data with drop-out Dr. Baojiang Chen, University of Nebraska Medical Center, USA
Lunch Break 13:15-13:45	
13:45-14:05	Title: Evaluation of landmark-based face recognition using bidimensional and tridimensional regression Dr. Kendra K. Schmid, University of Nebraska Medical Center, USA
14:05-14:25	Title: Flexible variable selection for recovering the sparsity in the nonadditive multivariate nonparametric model Dr. Inyoung Kim, Virginia Polytechnic Institute and State University, USA
14:25-14:45	Title: Recent developments in hazard rate estimation Dr. Theo Koulis, University of Manitoba, Canada
14:45-15:05	Title: Biomedical system ensembles model and analysis using PLS regression Prof. Gourish M. Naik, Goa University, India
15:05-15:25	Title: Utility and validity of common and uncommon sampling methods in medical or bioengineering research. Dr. Praveen Khairkar, Mahatma Gandhi Institute of Medical Sciences, India
Coffee Break 15:25-15:40	
15:40-16:00	Title: Automatic remote surveillance, cellular network based facial recognition system using eigen face vector techniques Dr. Rajendra Gad, Goa University, India
16:00-16:20	Title: A generalized genetic association test for subjects sampled from a complex pedigree Dr. Zeny Feng, University of Guelph, Canada
16:20-16:40	Title: Accuracy of contrast agent quantification in DCE-MRI: A comparison between two k-space sampling techniques Dr. Roberta Fusco, University "Federico II" of Naples, Italy
16:40-17:00	Title: Distribution of genetic polymorphisms at the APOAI promoter region in different ethnic groups among a sample of the general Kuwaiti population Dr. Suzanne A. Al-Bustan, Kuwait University, Kuwait
15:25-16:25	Poster Presentation

Day 3 07 March 2012

08:30-09:00 Breakfast

Breakout 1

Track 8: Bayesian Statistics
Track 9: Epidemiological Biostatistics
Track 10: Bioengineering and Biomedicine

Session Introduction

09:00-09:20 Title: Bayesian inference for a nonlinear mixed-effects Tobit model with skew-elliptical distributions: Application to AIDS Studies
Dr. Getachew A.Dagne, University of South Florida, USA

09:20-09:40 Title: Two-criterion: A new bayesian differentially expressed gene selection algorithm
Dr. Fang Yu, University of Nebraska Medical Center, USA

09:40-10:00 Title: Parallel Markov chain Monte Carlo - Bridging the gap to high performance bayesian computation in animal and plant breeding
Dr. Xiao-Lin Nick Wu, University of Wisconsin, USA

10:00-10:20 Title: Bayesian inference of interaction in HIV drug resistance
Dr. Jing Maria Zhang, Yale University, USA

Coffee Break 10:20-10:35

10:35-10:55 Title: A powerful model for family-based case-control studies of genetic imprinting
Dr. Zuoheng Wang, Yale University, USA

10:55-11:15 Title: The new statistics problems in the cooperation systems, exemplifying with a fig-fig wasp system
Dr. Rui-Wu Wang, Chinese Academy of Sciences, China

11:15-11:35 Title: Biophysical and bioinformatics studies of transthyretin in relation to amyloid pathogenesis
Dr. Amandio Vieira, Simon Fraser University, Canada

11:35-11:55 Title: The impact of media coverage on the transmission dynamics of human influenza
Ms. Nothabo Dube, Texas Tech University, USA

11:55-12:15 Title: Sparse precision matrix estimation
Dr. Xi Luo, Brown University, USA

12:15-12:35 Title: Bayesian semiparametric model with spatial-temporally varying coefficients selection
Dr. Bo Cai, University of South Carolina, USA

12:35-12:55 Title: Novel bio-chemical profiling of Indian black teas and development of green tea based radical scavenging conserve
Dr. B.B. Borse, Central Food Technological Research Institute, India

Lunch Break 12:55-01:25

Encyclopedia of Bioequivalence and Bioavailability (E-BABE)

Analytical and Bio-Analytical Methodology Database

- World's only database powered by an updated bioanalytical methods of pharmaceuticals for suitable method selection with over thousands of combinations and automatic checks against thousands of methods: all at your finger tips.
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