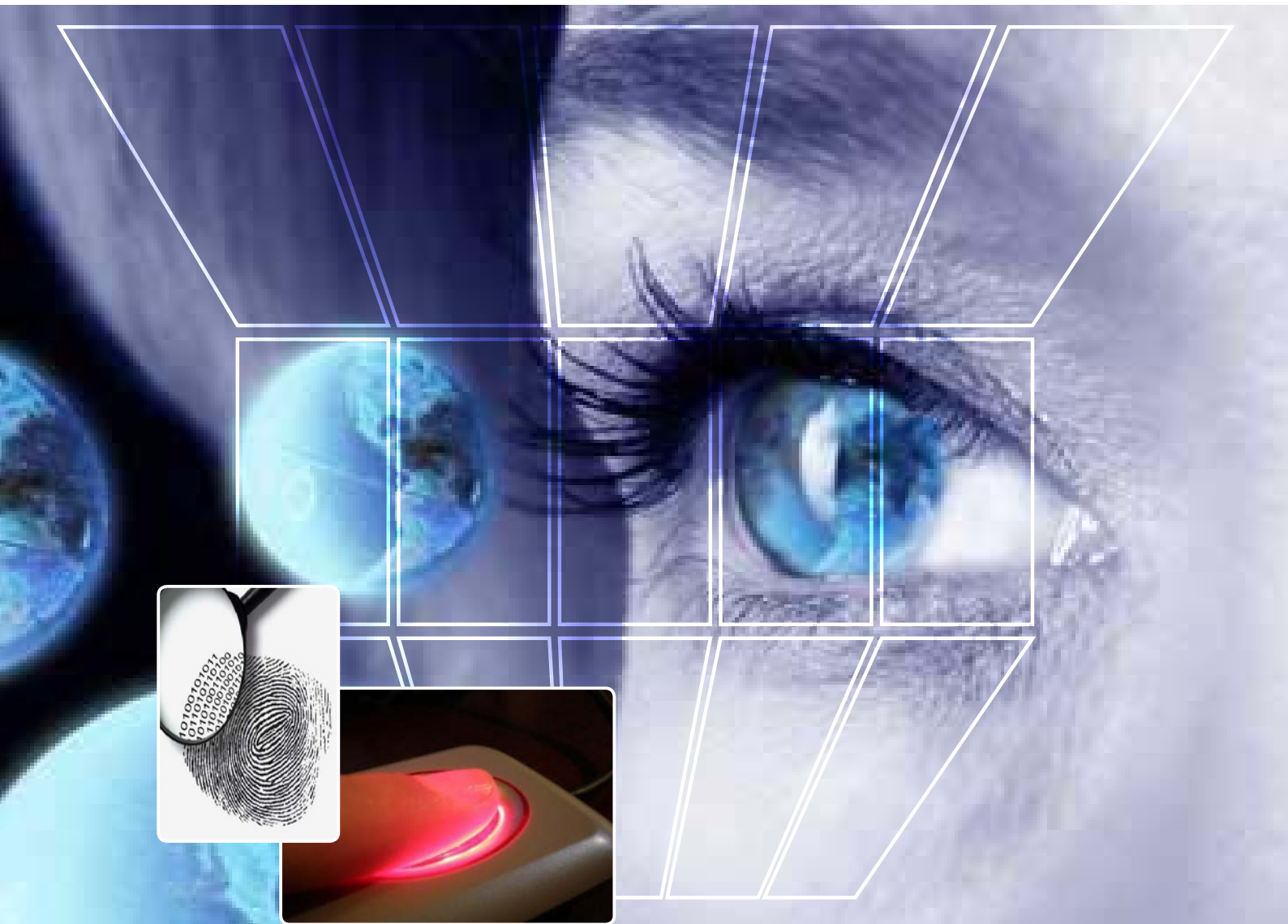


# Scientific Program



## 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  
Phone: +1- 650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499  
Email: [biometrics2012@omicsonline.org](mailto:biometrics2012@omicsonline.org)  
<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



3<sup>rd</sup> 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



2<sup>nd</sup> 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



3<sup>rd</sup> 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



2<sup>nd</sup> 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



3<sup>rd</sup> 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



3<sup>rd</sup> 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



2<sup>nd</sup> 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



2<sup>nd</sup> 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



2<sup>nd</sup> 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



2<sup>nd</sup> 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



2<sup>nd</sup> 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  
**Analytix 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



2<sup>nd</sup> World Congress on  
**Nanotek and Expo**  
3-5 December 2012  
DoubleTree by Hilton Philadelphia, USA



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



3<sup>rd</sup> 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

5716 Corsa Ave., Suite 110, Westlake, Los Angeles, CA 91362-7354, USA

Tel: +1-650-268-9744, Fax: +1-650-618-1414

Toll free: 1-800-216-6499(USA & Canada)

E-mail: [biometrics2012@omicsonline.org](mailto:biometrics2012@omicsonline.org)

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 Pellemounter, 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.
- Intelligent processing which understands your analytical terminology and lets you generate, select of your priority and much more in seconds.
- Use the comprehensive analytical and bio-analytical methodology tool to select important method for an insight into regular quality control.
- Now selection of Analytical and Bio-analytical methods of pharmaceuticals for analysis/routine quality control is on your finger tips for a click!
- All-in-one database with multi-user access.
- As of now it has 5000 methods and is updated regularly.

<http://ebabe.gsblifesciences.org>

Bookmark your dates

2<sup>nd</sup> International Conference on

# Biometrics & Biostatistics

18-20 March 2013 Chicago, USA

### OMICS Publishing Group

5716 Corsa Ave, Suite 110  
Westlake, Los Angeles  
CA 91362-7354, USA  
Ph: +1-650-268-9744  
Fax: +1-650-618-1414

### OMICS Group Conferences

2360 Corporate Circle · Suite 400  
Henderson, NV 89074-7722, USA  
Fax: +1-650-618-1417

### OMICS Group

1-90/1, Plot No.20, Kovuri Hills,  
Madhapur - HITEC City  
Hyderabad, A P, INDIA - 500 081  
Ph: 040-40138580/81

### Toll free

USA & Canada: 1-800-216-6499  
Europe: 0805-080048  
Japan: +81-345780247  
Australia: 1-800-651-097