

# EAR-BC'07 Scientific Program

Last Update November 26, 2007

## Sunday, December 9, 2007 8:55-17:00

8:30	OPEN Registration
8:55-9:00	<b>Opening Address:</b> <i>Toshiro Tango</i> , Japanese Region President
9:00-10:30	<b>Opening Ceremony: Introduction to IBS and its regional activities</b> Chair: <i>Ashwini Mathur</i> (the IBS General Secretary, Indian Region)
	<i>Thomas Louis</i> (the IBS President, ENAR) “Our Future as History”
	<i>Jiqian Fang</i> (National Group China Secretary) “Outcome Measurement for TCM and Challenge to Statistics”
	<i>H. Sridhara</i> (Indian Region President) “Sixty years of IBS (IR) and future of Biometry in India”
	<i>Taerim Lee</i> (Korean Region President) “Web Based Biostatistics Education Hub for East Asian Region”
	<i>Toshiro Tango</i> (Japanese Region President) “Major Activities of Biometric Society of Japan and Japanese Biostatisticians: Past, Present and Future”
10:30-11:00	Coffee Break
11:00-12:30	<b>Invited Session: Clinical Trials</b> Chair. <i>Shigeyuki Matsui</i> (Kyoto University School of Public Health, Japan)
	<i>Yuantao Hao</i> (Sun Yat-sen University, China), <i>Jiqian Fang</i> , <i>Xinyuan Song</i> “Non-linear Factor Analysis Model and its Application to Evaluating the Equivalence of Questionnaires”
	<i>Satoshi Morita</i> (Kyoto University Hospital, Japan) “Determining the Effective Sample Size of a Parametric Prior”
	<i>Masako Nishikawa</i> (National Institute of Public Health, Japan), <i>Toshiro Tango</i> , <i>Megu Ohtaki</i> “Simple Statistical Tests for New Composite Hypotheses in Randomized Clinical Trial Reflecting the Relative Clinical Importance”
12:30-14:00	Lunch Break
14:00-15:30	<b>Contributed Session: Epidemiology</b> Chair: <i>Yutaka Matsuyama</i> (University of Tokyo, Japan)
	<i>Ya Fang</i> (University of Xiamen, China) “Probability Prediction in Multistate Survival Models for Patients with Chronic Myeloid Leukaemia”
	<i>Sachiko Tanaka</i> (Tokyo University of Science, Japan) “Inverse Probability Weighted Estimators in the Stratified Nested Case-Control Sampling Methods”
	<i>Koji Yonemoto</i> (Kyushu University, Japan), <i>Atsushi Kawaguchi</i> , <i>Yumihiro Tanizaki</i> , <i>Yutaka Kiyohara</i> , <i>Takashi Yanagawa</i> , <i>Young K. Truong</i>

	<p>“Application of Functional ANOVA Models for Hazard Regression to the Hisayama Data”</p> <p><i>Shizue Izumi</i> (Oita University, Japan), <i>Yoshinori Fujii</i> “Estimating the Power of the Likelihood Ratio Test in the Cohort-Based Nested Case-Control Studies”</p>
15:30-16:00	Coffee Break
16:00-17:30	<p><b>Contributed Session: Bioinformatics</b> Chair: <i>Seiya Imoto</i> (University of Tokyo, Japan)</p> <p><i>Tomonori Oura</i> (Kyoto University School of Public Health, Japan), <i>Shigeyuki Matsui</i>, <i>Koji Kawakami</i> “Sample Size Calculations Based on Exact Distribution of False Discovery Proportion in Microarray Experiments”</p> <p><i>Akihiro Hirakawa</i> (Pharmaceuticals and Medical Devices Agency, Japan), <i>Yasunori Sato</i>, <i>Chikuma Hamada</i>, <i>Isao Yoshimura</i> “A Test Statistic Based on Shrunken Sample Variance for Identifying Differentially Expressed Genes in Microarray Data Analysis”</p> <p><i>Yoichi M. Ito</i> (University of Tokyo, Japan), <i>Yasuo Ohashi</i> “Measurement Scale Categorization and Its Resolution. A Gene Reduction Approach to the Microarray Data Analysis”</p> <p><i>Takeharu Yamanaka</i> (National Kyushu Cancer Center, Japan), <i>Shigeyuki Matsui</i> “Survival Prediction Using Top Ranking Significant Genes in Cancer Prognostic Studies with Microarrays”</p> <p><i>Mira Park</i> (Eulji University, Korea), <i>Yoo-Jin Jang</i>, <i>Myung-Hoe Huh</i> “Applications of Minimal Spanning Tree and Self-Organizing Map in Microarray Data Analysis”</p>

**Monday, December 10, 2007 9:00-17:00**

9:00-10:30	<p><b>Invited Session: Bioinformatics</b>  Chair: <i>Masaaki Matsuura</i> (Japanese Foundation for Cancer Research, Japan)</p> <p><i>Jae Won Lee</i> (Korea University, Korea), <i>JungBok Lee</i>, <i>Shin-Jae Lee</i>  “Statistical Tools for Protein Identification Based on Mass Spectrometry Data: A review”</p> <p><i>Seiya Imoto</i> (University of Tokyo, Japan) “Bioinformatics Approach Towards Drug Target Gene Discovery”</p> <p><i>Masaru Ushijima</i> (Japanese Foundation for Cancer Research) “Analyses of OMICS Data in Medical Informatics”</p>
10:30-11:00	Coffee Break
11:00-12:00	<p><b>Keynote Lecture</b>  Chair: <i>Thomas Louis</i> (Johns Hopkins Bloomberg School of Public Health, USA)</p> <p><i>Toshiro Tango</i> (National Institute of Public Health, Japan) “Tests for Spatial Randomness: Detection of Disease Clustering and Outbreak Threat”</p>
12:00-13:30	Lunch Break
13:30-15:00	<p><b>Invited Session: Epidemiology</b>  Chair: <i>Tosiya Sato</i> (Kyoto University School of Public Health, Japan)</p> <p><i>Ayanendranath Basu</i> (Indian Statistical Institute, India), <i>Sumit Gupta</i>, <i>Wen-tao Huang</i> “Tests of Hypothesis about the Kappa Statistic based on the Goodness-of-fit Approach”</p> <p><i>Satoshi Hattori</i> (Kurume University, Japan), <i>Takashi Yanagawa</i>  “Mantel-Haenszel Estimators for Irregular Sparse <math>K \times J</math> Tables”</p> <p><i>Kunihiko Takahashi</i> (National Institute of Public Health, Japan), <i>Toshiro Tango</i> “Scan Statistics for Disease Clustering”</p>
15:00-15:30	Coffee Break
15:30-17:00	<p><b>Contributed Session: Clinical Trials 1</b>  Chair: <i>Satoshi Morita</i> (Kyoto University Hospital, Japan)</p> <p><i>Shiro Tanaka</i> (University of Tokyo, Japan), <i>Yutaka Matsuyama</i>, <i>Yasuo Ohashi</i> “Estimating Surrogate Endpoints Defined by Principal Causal Effects”</p> <p><i>Anthony Hayter</i> (University of Denver, USA), <i>Chen-ju Lin</i> “Recent Advances in Stepdown Procedures for Identifying Inferiority Among Treatments in Clinical Trials”</p> <p><i>Takahiro Hasegawa</i> (SHIONOGI &amp; CO., LTD., Japan), <i>Toshiro Tango</i> “Permutation Test Following Covariate-Adaptive Randomization in Randomized Controlled Trials”</p>

<p><i>Tetsuhisa Miwa</i> (National Institute for Agro-Environmental Sciences, Japan) “Comparisons Between Three Treatments Including a Placebo and a Control by the Multiple Confidence Procedure”</p>
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<b>Conference Dinner at Capo PELLICANO</b>
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**Tuesday, December 11, 2007 9:00-12:35**

9:00-10:30	<p><b>Contributed Session: Biostatistics in General</b>  Chair: <i>Shizue Izumi</i> (Oita University, Japan)</p> <p><i>Lilia L. Ramirez-Ramirez</i> (University of Waterloo, Canada), <i>Mary E. Thompson</i> “Statistical Inference for Outbreaks in a Population with a Contact Network Structure”</p> <p><i>Takashi Omori</i> (Kyoto University School of Public Health, Japan), <i>Takashi Sozu, Isao Yoshimura</i> “Several Challenges by Biostatisticians for Developing a New Animal Test Method”</p> <p><i>Hyeonggin An</i> (Korea University, Korea) “Bayesian Analysis of Repeated Data with Many Zeros: Application to the Longitudinal Adolescent Substance Abuse Study”</p> <p><i>Tetsushi Komori</i> (Bayer Yakuhin, Ltd., Japan), <i>Takashi Ohmori, Tosiya Sato</i> “Consistency of Signal Measures with Epidemiologic Effect Measures”</p>
10:30-11:00	Coffee Break
11:00-12:30	<p><b>Contributed Session: Clinical Trails 2</b>  Chair: <i>Osamu Komiyama</i> (Pfizer Japan Inc., Japan)</p> <p><i>KyungMann Kim</i> (University of Wisconsin-Madison, USA) “An Independent Statistical Center in Support of the Data and Safety Monitoring Board: The Adenoma Prevention with Celecoxib (APC) Trial”</p> <p><i>JungBok Lee</i> (Korea University, Korea) “An Improved Estimating Method of QT interval for Adjusting Heart Rate: A Multivariate Approach”</p> <p><i>Masayuki Henmi</i> (Institute of Statistical Mathematics, Japan), <i>John B. Copas, Shinto Eguchi</i> “A Sensitivity Analysis Allowing for All Possible Selection Processes of Studies in Meta Analysis”</p> <p><i>Hiroyuki Uesaka</i> (Eli Lilly Japan, Japan) “Sample Size Allocation to Regions in a Multiregional Trial”</p>
12:30-12:35	<b>Closing Remarks:</b> <i>Tosiya Sato</i> , Scientific Program Chair

## Poster Session, December 9-10

P01	<i>Satoshi Teramukai</i> (Kyoto University Hospital, Japan), <i>Satoshi Morita</i> “Bayesian Predictive Multi-Stage Design for Phase II Single-Arm Clinical Trials: A Case Study”
P02	<i>Hyo-Il Park</i> (Chong-ju University, Korea), <i>Soo-Duck Lim</i> , <i>Joong-Jae Cho</i> “Hypothesis Test Under the Additive Hazards Model”
P03	<i>Masahiko Goshō</i> (Kowa Co. Ltd., Japan), <i>Chikuma Hamada</i> , <i>Isao Yoshimura</i> “Study on the Criterion for Selecting the Working Correlation Structure in Generalized Estimating Equation”
P04	<i>Yumiko Uematsu</i> (Tokyo University of Science, Japan), <i>Chikuma Hamada</i> , <i>Isao Yoshimura</i> “Statistical Method for Evaluating the Efficacy of a Drug for Osteoporosis on the Occurrence of Bone Fractures as the Primary Endpoint”
P05	<i>Masayuki Yamada</i> (Tokyo University of Science, Japan), <i>Chikuma Hamada</i> , <i>Isao Yoshimura</i> “Study on the Effect of Random Effects Included in the Analysis Model for In Vitro Pharmacological Data Adaptable to Four Parameter Logistic Model”
P06	<i>Tetsuji Tonda</i> (Hiroshima University, Japan), <i>Kenichi Satoh</i> , <i>Hiromi Kawasaki</i> , <i>Takeshi Shimamoto</i> , <i>Teruyuki Nakayama</i> , <i>Kota Katanoda</i> , <i>Tomotaka Sobue</i> , <i>Yasuto Sato</i> , <i>Naohito Yamaguchi</i> , <i>Megu Ohtaki</i> “Statistical Analysis of Spatial-Time Heterogeneity of Cancer Mortality Risk Based on Growth Curve Model”
P07	<i>Kenichi Satoh</i> (Hiroshima University, Japan), <i>Hirokazu Yanagihara</i> “Modified Cp in Multivariate Ridge Regression”
P08	<i>Keiichi Sugino</i> (Mitsubishi Tanabe Pharma Corporation, Japan), <i>Yasuo Ohashi</i> , <i>Qian Gong</i> “Multinational Clinical Trials in East Asia”
P09	<i>Keiko Otani</i> (Hiroshima University, Japan), <i>Megu Ohtaki</i> , <i>Keiko Hiyama</i> , <i>Kenichi Satoh</i> , <i>Eiso Hiyama</i> “Two Dimensional Summarization for Affymetrix GeneChip Probe Level Data Based on Functional States of Gene-ON/OFF”
P10	<i>Kazue Yamaoka</i> (National Institute of Public Health, Japan), <i>Toshiro Tango</i> “Effects of Lifestyle Modification on Metabolic Syndrome: Resolution Rate and Combining Multiple Endpoints in Meta-Analysis”
P11	<i>Mihoko Minami</i> (Institute of Statistical Mathematics, Japan) “A New Feature Extraction Method from very Non-Normal Data: Analysis of Multivariate Catch and Bycatch Data by Purse-Seine Tuna Fisheries”
P12	<i>Yukikazu Hayashi</i> (Tokyo University of Science, Japan), <i>Chikuma Hamada</i> , <i>Isao Yoshimura</i> “Statistical Pharmacokinetic Modeling of Controlled-Release Analgesics combining Immediate-Release and Sustained-Release Components to design an appropriate Drug Delivery”

**Domestic Meeting**

**December 11, 2007 13:30-17:00**

**Biometric Seminar: Global Clinical Trials (Sponsored by Japanese Biometric Society)**