1st circular

# 2008 International Conference on Pharmacogenomics

## "A Joint Conference with the 14th Annual Meeting of the PRACP"




Organized by Korean PharmacoGenomics Research Network (KPGRN)
The Pacific Rim Association for Clinical Pharmacogenetics (PRACP)
PharmacoGenomics Research Center (PGRC), Inje University
in Collaboration with PharmacoGenetics Research Network (PGRN), USA

CONFERENCE SECRETARIAT
Organizing Committee
#633-165, Gaegum-dong, Busanjin-gu, Busan 614-735, Korea
PharmacoGenomics Research Center, Inje University
Tel: +82-51-890-6412/6709 Fax: +82-51-893-1232 Homepage: www.pgx2008.org E-mail: admin@pgx2008.org / pgrc@inje.ac.kr

# 2008 International Conference on Pharmacogenomics

## Program Overview

| Time | Wednesday April 9, 2008 | Thursday April 10, 2008 | | Friday April 11, 2008 | | Saturday April 12, 2008 |
|---|---|---|---|---|---|---|
| | Registration (13:00-18:00) | Registration (08:00-18:00) | | Registration (08:00-17:00) | | |
| | Room 205 | Room 205 | Room 201 | Room 205 | Room 201 | |
| 09:00 ~ 09:50 | | PL3 | | PL4 | | Congress Tour (Optional) |
| 10:10 ~ 12:10 | | S1 | | S6 | Travel Award / Poster Oral Session | |
| 12:10 ~ 13:20 | | Lunch Break | | Lunch Break | | |
| 13:20 ~ 14:20 | | S2 | S3 | S7 | S8 | |
| 14:20 ~ 15:20 | PL1 | | | | | |
| 15:50 ~ 16:50 | MS | S4 | S5 | S9 | S10 | |
| 16:50 ~ 17:50 | PL2 | | | | | |
| 18:10 ~ | Opening Ceremony / Welcome Reception | Banquet | | Closing Ceremony | | |

## Session Titles

**S1** Genome Structure & Variation in Pharmacogenomics Research
**S2** Pharmacogenomics of Drug Disposition
**S3** Translational Pharmacogenomics (II): Cancer Chemotherapy
**S4** Translational Pharmacogenomics (I): Pharmacotherapy in Neuropsychiatry
**S5** Current Application of Pharmacogenomics in Drug Development & Regulation
**S6** Pharmacogenomics Based Personalized Pharmacotherapy
**S7** Confounding Factors of Pharmacogenomics: Ethnicity and Others
**S8** Translational Pharmacogenomics (III): Respiratory and Cardiovascular Pharmacotherapy
**S9** Pharmacogenomics Research in Asian Countries: Regional to Global Networking
**S10** New Paradigm of Pharmacogenomics: to be alone or together
**MS** (Mini session) Translational Research in Pharmacogenetics: Linking the Practice of Ethics with Translation in Biosciences

**Important Dates:**

Registration and abstract submission begin on September 3, 2007 (http://www.pgx2008.org/)
Early-Bird Registration & Abstract Submission Deadline: February 15, 2008
Pre-Registration Deadline: March 31, 2008

# Wednesday, April 9, 2008

## Plenary Lecture 1

Room 205, 14:20 ~ 15:20

**PL1.** **Michel Eichelbaum, M.D.** (Dr. Margarete Fischer-Bosch, Germany)
Pharmacogenomics in the Translational Research and Personalized Medicine

### Mini Session (MS)

Room 205, 15:50 ~ 16:50

**MS-1** **Bryn Williams-Jones, Ph.D.** (University of Montreal, Canada)
Bioethics Considerations Across the Translational Research Continuum in Pharmacogenetics

**MS-2** **Soong Deok Lee, M.D., Ph.D.** (Seoul National University, Korea)
Ethical and Administrative Issues Relating to Pharmacogenomics in Korea

## Plenary Lecture 2

Room 205, 16:50 ~ 17:50

**PL2.** **Lawrence J. Lesko, Ph.D.** (Food and Drug Administration, USA)
Successes in Pharmacogenomics: Progress to Date and Future Opportunities

# Thursday, April 10, 2008

## Plenary Lecture 3

Room 205, 09:00 ~ 09:50

**PL3.** **Siegfried Kasper, M.D.** (Medical University of Vienna, Austria)
Integrated Approach in the Treatment of Depression and Anxiety Disorders

### S1 Genome Structure & Variation in Pharmacogenomics Research

Room 205, 10:10 ~ 12:10

**S1-1** **Yusuke Nakamura, M.D., Ph.D.** (The University of Tokyo, Japan)
"Biobank Japan" Project Toward the Personalized Medicine

**S1-2** **Lon R Cardon, Ph.D.** (University of Oxford, UK)
Using Genome-wide Association Studies on Diseases for Translational Research

**S1-3** **Yeun-Jun Chung, M.D., Ph.D.** (The Catholic University of Korea, Korea)
Copy Number Variations Associated with Autism Spectrum Disorder

**S1-4** **TBA** (PRGN)

### S2 Pharmacogenomics of Drug Disposition

Room 205, 13:20 ~ 15:20

**S2-1** **Min Goo Lee, M.D., Ph.D.** (Yonsei University, Korea)
Genetic Variation of ABCC Transporters Associated with Individual Drug Response

**S2-2** **Susan P.C. Cole, Ph.D.** (Queen's University, Canada)
Functional Analysis of Genetic Variants of the ABCC/MRP-related Transporters

**S2-3** **John O. Miners, Ph.D.** (Flinders Medical Centre and Flinders University, Australia)
Probing the Structural Basis for Impaired Drug Metabolism Associated with the CYP2C9 Poor Metaboliser Phenotype

**S2-4** **Jae-Gook Shin, M.D., Ph.D.** (Inje University, Korea)
Confounding Factors in the Prediction of Genotype-phenotype Relationship of Drug Disposition

## S3 Translational Pharmacogenomics (II): Cancer Chemotherapy

Room 201, 13:20 ~ 15:20

**S3-1** **David A. Flockhart, M.D., Ph.D.** (Indiana University School of Medicine, USA)
Pharmacogenomics in the Treatment of Breast Cancer

**S3-2** **Yoshinori Hasegawa, M.D., Ph.D.** (Nagoya University, Japan)
Impact of UGT and Transporter Genes Polymorphisms in Cancer Chemotherapy

**S3-3** **Tae-You Kim, M.D., Ph.D.** (Seoul National University, Korea)
Identification of Pharmacogenetic Biomarkers that Predict Response to Chemotherapy

**S3-4** **M. Eileen Dolan, Ph.D.** (University of Chicago, USA)
Genetic Variants Associated with Anticancer Drug Toxicity and Expression Differences between Populations

## S4 Translational Pharmacogenomics (I): Pharmacotherapy in Neuropsychiatry

Room 205, 15:50 ~ 17:50

**S4-1** **Toshiyuki Someya, M.D., Ph.D.** (Niigata University, Japan)
Pharmacogenetics and Customized Therapies in Psychiatry

**S4-2** **Keh-Ming Lin, M.D.** (National Health Research Institutes, Taiwan)
The Pharmacogenomics of Methadone and Response of Heroine Addiction Patients

**S4-3** **Yuji Okazaki, M.D.** (Tokyo Metropolitan Matsuzawa Hospital, Japan)
Genome-Wide Scanning in Patients with Panic Disorder with 500k SNPs Chip and Suggestions to Pharmacotherapy

**S4-4** **Doh-Kwan Kim, M.D., Ph.D.** (Sungkyunkwan University, Korea)
Predictability of Antidepressant Response by Gene Expression

## S5 Current Application of Pharmacogenomics in Drug Development & Regulation

Room 201, 15:50 ~ 17:50

**S5-1** **TBA**
Issues of Pharmacogenomics in Drug Development and Regulation in US (not fixed)

**S5-2** **Jaesook Roh, M.D., Ph.D.** (Korea Food & Drug Administration, Korea)
Regulatory Perspectives on Pharmacogenomics in Korea

**S5-3** **Yoshiaki Uyama, Ph.D.** (Pharmaceuticals & Medical Devices Agency, Japan)
Current Japanese Situations of Pharmacogenomics in Drug Development and Regulation

**S5-4** **Munir Pirmohamed, Ph.D.** (University of Liverpool, UK)
Pharmacogenomics of Adverse Drug Reaction and Its Relevance in Drug Development

# Friday, April 11, 2008

## Plenary Lecture 4

Room 205, 09:00 ~ 09:50

**PL4.** **Dan M. Roden, M.D.** (Vanderbilt University, USA)
Pharmacogenetic Approaches to the Study of Abnormal Cardiac Rhythm

## S6 Pharmacogenomics Based Personalized Pharmacotherapy

Room 205, 10:10 ~ 12:10

**S6-1** **Howard L. McLeod, PharmD.** (UNC School of Pharmacy, USA)
PGENI: Pharmacogenetics as a Public Health Tool

**S6-2** **Siu-Wa Tang, Ph.D.** (University of Hong Kong, Hong Kong)
Personalized Psychopharmacotherapy or Target Specific Psychopharmacotherapy

**S6-3** **Sunao Kaneko, M.D., Ph.D.** (Hirosaki University, Japan)
Perspectives of the Development of Individualized Medicine for Epilepsy Based upon Genetic Polymorphisms

**S6-4** **Sang Seop Lee, Ph.D.** (Inje University, Korea)
Development of Diagnostic Tools for Genotype Guided Pharmacotherapy

## S7 Confounding Factors of Pharmacogenomics: Ethnicity and Others

Room 205, 13:20 ~ 15:20

**S7-1 Leif Bertilsson, Ph.D.** (Karolinska University Hospital, Sweden)
Interethnic Differences in Cytochrome P450 Enzymes: How Different are Koreans, Swedes and Tanzanians?

**S7-2 Hong-Hao Zhou, M.D.** (Central South University, China)
Molecular Basis for Ethnic Differences in Drug Response

**S7-3 Vural Ozdemir, M.D., Ph.D.** (University of Montreal, Canada)
Pharmacogenetics of Prolactin Response to Antipsychotic Drugs in Asians

**S7-4 Alan R. Shuldiner, M.D.** (University of Maryland, USA)
Pharmacogenomics of Anti-platelet Agents

## S8 Translational Pharmacogenomics (III): Respiratory and Cardiovascular Pharmacotherapy

Room 201, 13:20 ~ 15:20

**S8-1 Lavender Paul, Ph.D.** (King's College London, UK)
Pharmacogenomics and Glucocorticoid Receptor Action

**S8-2 Chun Geun Lee, M.D., Ph.D.** (Yale University, USA)
Genetic Factors Controlling Effector Function of TGF-beta in COPD and Fibrosis

**S8-3 Hae-Sim Park, M.D., Ph.D.** (Ajou University, Korea)
Diagnosis of ASA Sensitivity Using Gene Polymorphisms

**S8-4 Issam Zineh, Pharm.D.** (University of Florida, USA)
Pharmacogenetics of Chronic Cardiovascular Drugs: Applications and Implications

## S9 Pharmacogenomics Research in Asian Countries: Regional to Global Networking

Room 205, 15:50 ~ 17:50

**S9-1 Rochelle M. Long, Ph.D.** (NIH, USA)
Support of Pharmacogenetics / Pharmacogenomics Research: A View from the NIH on Global Networking

**S9-2 In-Jin Jang, M.D., Ph.D.** (Seoul National University, Korea)
Pharmacogenomics Researches in Korea

**S9-3 Naoyuki Kamatani, M.D., Ph.D.** (Tokyo Women's Medical University, Japan)
Pharmacogenomic Research and Practice in Japan

**S9-4 Hong-Hao Zhou, M.D.** (Central South University, China)
Pharmacogenetics in Chinese Population

**S9-5 Edmund Jon Deoon Lee, M.D., Ph.D.** (National University of Singapore, Singapore)
Pharmacogenetics in South East Asia: Challenges and Progress

**S9-6 Wasun Chantratita, Ph.D.** (Mahidol University, Thailand)
Pharmacogenomics in the Limited-resource Country, Thailand

**S9-7 Thomas YK Chan, M.D., Ph.D.** (The Chinese University of Hong Kong, Hong Kong)
Cardiovascular Pharmacogenomics - Recent Advances and Prospects for Collaboration

## S10 New Paradigm of Pharmacogenomics: to be alone or together

Room 201, 15:50 ~ 17:50

**S10-1 Michael S. Phillips, Ph.D.** (University of Montreal, Canada)
Development of a Translational Pharmacogenomics Platform: Integrating Genomic Research into Clinical Applications

**S10-2 Byung-Joo Ham, M.D., Ph.D.** (Hallym University, Korea)
Functional Imaging of the Brain in the Evaluation of Drug Response and It's Application to the Pharmacogenomics

**S10-3 Norio Ozaki, M.D., Ph.D.** (Nagoya University, Japan)
Endophenotype Approach of Mental Disorders

**S10-4 Meyoung-Kon Kim, M.D., Ph.D.** (Korea University, Korea)
Multidisciplinary Approach for a New Paradigm in Pharmacogenomic Research