

2nd ISTANBUL INTERNATIONAL SYMPOSIUM ON PUBLIC HEALTH GENOMICS CHRONIC-COMPLEX DISEASES AND GENETICS

Dear Colleagues,

Public Health Genomics European Network (PHGEN), International Society of Nutrigenetics/Nutrigenomics (ISNN) and Turkish Society of Public Health Genomics and Nutrigenetics (TOGEN) will hold the Second Istanbul International Symposium on **Public Health Genomics** with the title of '**Chronic-Complex Diseases and Genetics**' on 26-27 March 2009, in Istanbul, Turkey.

The symposium will cover a broad range of topics such as public health genomics; genetics and chronic-complex diseases including cardiovascular and cerebrovascular diseases, diabetes, obesity, cancer, osteoporosis, neurodegenerative and psychiatric diseases, aging and genetics, pharmacogenetics, and nutrigenetics:

The symposium will bring together top level international and Turkish scientists. It will create an environment for in-depth, informed discussions on novel developments to open up new vistas. The meeting will have a strong social programme with the historical and natural beauties of the city.

Information regarding the scientific programme and symposium is available at www.nutrigenetik.org.tr.

For further questions, please contact the symposium secretariat office or symposium organization listed below.

Yours faithfully,

Organizing Committee

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Hacettepe University Science Park (Teknokent)

Ar-Ge 3 Binasi No:10

Beytepe 06800 Ankara-Turkey

Symposium Organization:

Mr. Serhat Sarioglu

Akademi Kongre

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2nd ISTANBUL INTERNATIONAL SYMPOSIUM ON PUBLIC HEALTH GENOMICS CHRONIC-COMPLEX DISEASES AND GENETICS

Organizing Committee

Chair

Prof. Dr. Memnune APAK

President, Turkish Society of Public Health Genomics and Nutrigenetics
E. Chair, Department of Medical Genetics, Istanbul University (Istanbul, TURKEY)

Secretary

Dr. B. Serdar SAVAŞ

Secretary General, Turkish Society of Public Health Genomics and Nutrigenetics
Steering Committee Member, Public Health Genomics European Network (PHGEN)
Director, GENAR Institute for Public Health and Genomics Research (Ankara, TURKEY)

Members

Prof. Dr. Angela BRAND

Speaker, Public Health Genomics European Network (PHGEN)
Director, European Centre for Public Health Genomics (ECPHG), Maastricht University (Maastricht, the NETHERLANDS)

Prof. Dr. Tayfun ÖZÇELİK

Chair, Department of Molecular Biology and Genetics, Bilkent University (Ankara, TURKEY)

Prof. Dr. Gülden PEKCAN

Vice President, Nutrigenetics Society of Turkey
Chair, Division of Community Nutrition, Department of Nutrition and Dietetics, Hacettepe University (Ankara, TURKEY)

Dr. Artemis SIMOPOULOS

President, International Society of Nutrigenetics/Nutrigenomics
President, The Center for Genetics, Nutrition and Health (Washington DC, USA)

Prof. Dr. Lale TOKGÖZOĞLU

General Secretary, European Atherosclerosis Society
President, European Federation of International Atherosclerosis Society
Vice President, Turkish Cardiology Society
Department of Cardiology, Hacettepe University (Ankara, TURKEY)

Prof. Dr. Temel YILMAZ

President, Turkish Diabetes Foundation
Division of Endocrinology and Metabolism, Department of Internal Medicine, Istanbul University (Istanbul, TURKEY)

Dr. Ron ZIMMERN

Chair, Public Health Genomics International Network (GRaPH-Int)
Steering Committee Member, Public Health Genomics European Network (PHGEN)
Executive Director, Public Health Genomics Foundation (Cambridge, UK)



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SCIENTIFIC PROGRAM

26 March 2009

Thursday

09:00 - 09:30

OPENING

Prof. Dr. Memnune Apak (Turkey)
Symposium Chairperson
President of Turkish Society of Public Health Genomics and Nutrigenetics

A representative from the Ministry of Health (Turkey)

09:30 - 10:30

SESSION - 1 SEETING THE SCENE

Chairs : **Prof. Dr. Memnune Apak** (Turkey)
Symposium Chairperson
President of Turkish Society of Public Health Genomics and Nutrigenetics

Prof. Dr. Meral Özgüç (Turkey)
Chair, Dept. of Medical Biology, Hacettepe University Faculty of Medicine

Demographic and Epidemiologic Transition and Complex Diseases

Prof. Dr. Constantino Sakellarides (Portugal)
Director, Portuguese School of Public Health

A European Initiative for Public Health Genomics

Prof. Dr. Angela Brand (the Netherlands)
Speaker, Public Health Genomics European Network (PHGEN)
Director, European Centre for Public Health Genomics (ECPHG), Maastricht University Faculty of Health, Medicine, and Life Sciences,

10:30 - 11:00

BREAK

11:00 - 12:30

SESSION - 2A CARDIOVASCULAR AND CEREBROVASCULAR HEALTH-1

Chairs : **Prof. Dr. Altan Onat** (Turkey)
E. Professor, Dept. of Cardiology, Cerrahpasa University Faculty of Medicine

Prof. Dr. Vedat Sansoy (Turkey)
Board Member, Turkish Society of Atherosclerosis
Istanbul University Institute of Cardiology

Genetic Variations in Dyslipidemia

Prof. Dr. Zeki Öngen (Turkey) (tbc)
Dept. of Cardiology, Istanbul University Cerrahpasa Faculty of Medicine

Genetic Variations in Atherosclerosis

Prof. Dr. Ali Yağız Üresin (Turkey)
President, Turkish Society of Atherosclerosis
Dept. of Clinical Pharmacology, Istanbul University Istanbul Faculty of Medicine

Omega-6 / Omega-3 Ratio: The Golden Balance

Dr. Artemis Simopoulos (USA)
President, International Society of Nutrigenetics / Nutrigenomics
Chair, The Center for Genetics, Nutrition and Health (Washington)



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1:00 - 12:30

SESSION - 2B CANCER-1

Chairs : **Prof. Dr. Idris Yücel** (Turkey)
Chair, Dept. of Internal Medicine and Div. of Medical Oncology, Ondokuz Mayıs University Faculty of Medicine
Prof. Dr. Faruk Aykan (Turkey)
Dept. of Medical Oncology, Istanbul University Institute of Oncology

Cancer and Genomics

Prof. Dr. Dicle Güç (Turkey)
Dept. of Basic Oncology, Hacettepe University Institute of Oncology

Genetic Factors Affecting DNA Damage and Carcinogenesis

Prof. Dr. Maria M. Sasiadek (Poland)
Dept. of Genetics, Wrocław Medical University

Molecular Pathogenesis of Colorectal Cancers

Prof. Dr. Hikmet Akkız (Turkey)
Chair, Dept. of Internal Medicine and Div. of Gastroenterology, Çukurova University Faculty of Medicine

12:30 - 13:30

LUNCH

13:30 - 15:00

SESSION - 3A CARDIOVASCULAR AND CEREBROVASCULAR HEALTH-2

Chairs: **Prof. Dr. Çetin Erol** (Turkey)
President, Turkish Society of Cardiology
Dept. of Cardiology, Ankara University Faculty of Medicine
Prof. Dr. Hakan Kültürsay (Turkey)
Dept. of Cardiology, Ege University Faculty of Medicine

Genetics of Cardiac Arrhythmias

Dr. Hanno L. Tan (the Netherlands)
Dept. of Cardiology, University of Amsterdam Academic Medical Center

Genetic Variations in Thrombosis

Prof. Dr. Nejat Akar (Turkey)
Chair, Div. of Clinical Molecular Pathology and Genetics, Dept. of Pediatrics, Ankara University Faculty of Medicine

Genetic Variations in Hypertension

Prof. Dr. Nihan Erginel Ünaltuna (Turkey)
Chair, Dept. of Genetics, Istanbul University Institute of Experimental Medicine

13:30 - 15:00

SESSION - 3B CANCER-2

Chairs : **Prof. Dr. Hakan Akbulut** (Turkey) (tbc)
Div. of Medical Oncology, Dept. of Internal Medicine, Ankara University Faculty of Medicine
Prof. Dr. Turgay Isbir (Turkey)
President, Turkish Society of Molecular Medicine
Head Dept. of Molecular Medicine and Director of Istanbul University Institute for Experimental Medicine

Genetics of Lung Cancer

Doc. Dr. Yeşim Eralp (Turkey)
Dept. of Medical Oncology, Istanbul University Institute of Oncology

Cancer and Nutritional Genomics

Dr. Cindy Davis (USA)
Program Director, Nutritional Science Research Group, National Cancer Institute, NIH National Institutes of Health



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Genetics of Hereditary and Sporadic Breast Cancer

Prof. Dr. Uğur Özbek (Turkey)
Member, Public Health Genomics European Network
Board Member, The Society of Medical Genetics of Turkey
Dept. of Genetics, Istanbul University Institute for Experimental Medicine

15:00 - 15:30

BREAK

15:30 - 16:30

SESSION - 4 PLENARY LECTURE

Chair : **Prof. Dr. Ergül Tunçbilek** (Turkey)
E. Chair, Div. of Genetics, Department of Pediatrics, Hacettepe University Faculty of Medicine

The Evaluation and Regulation of Predictive Biomarkers in Common Complex Diseases: a Public Health Perspective

Dr. Ron Zimmern (UK)
Chair, Public Health Genomics International Network (GRaPH-Int)
Steering Committee Member, Public Health Genomics European Network (PHGEN)
Executive Director, Public Health Genomics Foundation (Cambridge, UK)



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27 March 2009

Friday

09:00 - 10:30

SESSION - 5A NUTRIGENETICS AND NUTRIGENOMICS

Chairs : **Prof. Dr. Perihan Arslan** (Turkey)
Dean, Hacettepe University Faculty of Health Sciences
Div. of Dietetics, Dept. of Nutrition and Dietetics, Hacettepe University Faculty of Health Sciences
Prof. Dr. Dilek Boyacıođlu (Turkey)
Department of Food Engineering, Istanbul Technical University

Nutritional Genomics

Gülden Pekcan (Turkey)
Vice President, Turkish Society of Public Health Genomics and Nutrigenetics
Chair, Div. of Public Nutrition, Dept. of Nutrition and Dietetics, Hacettepe University Faculty of Health Sciences

Personalized Nutrition

Prof. Dr. Sevinç Yücecan (Turkey)
Head, Dept. of Nutrition and Dietetics, Near East University Faculty of Health Sciences (Turkish Republic of Northern Cyprus)
Div. of Nutritional Sciences, Dept. of Nutrition and Dietetics, Hacettepe University Faculty of Health Sciences

Antioxidation, Detoxification and Nutrigenetics

Dr. Keith Grimaldi (UK)
Senior Scientist
Scientific Director, EUROGENE-eTEN

09:00 - 10:30

SESSION - 5B PHARMACOGENETICS

Chairs : **Prof. Dr. Mehmet Melli** (Turkey)
President, Turkish Pharmacological Society
Dept. of Pharmacology and Clinical Pharmacology, Ankara University Faculty of Medicine
Prof. Dr. Rüştü Onur (Turkey)
Chair, Dept. of Pharmacology, Hacettepe University Faculty of Medicine

Pharmacogenetics of Psychiatric Diseases

Prof. Dr. Marja-Liisa Dahl (Sweden)
Dept. of Medical Sciences, Clinical Pharmacology, University Hospital Uppsala

Pharmacogenetics of Epilepsy Treatment

Prof. Dr. Filiz Onat (Turkey)
Dept. of Pharmacology, Marmara University Faculty of Medicine

Pharmacogenetics of Anticoagulation

Prof. Dr. Şükrü Aynacıođlu (Turkey)
Dept. of Pharmacology, Gaziantep University Faculty of Medicine

10:30 - 11:00

BREAK



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11:00 - 12:30

SESSION - 6A INSULIN RESISTANCE, TYPE 2 DIABETES AND OBESITY-1

Chairs : Prof. Dr. Gürbüz Erdoğan (Turkey)

President, Turkish Obesity Foundation

Head, Dept. of Internal Medicine, Ufuk University Faculty of Medicine

Prof. Dr. Şazi İmamoğlu

Chair, Div. of Endocrinology and Metabolism, Dept. of Internal Medicine, Uludağ University Faculty of Medicine

Genetics of Diabetes

Prof. Dr. Philippe Froguel (France)

Director, Dept. of Human Genetics – CNRS 8090, Institute Pasteur de Lille

Head, Genomic Medicine Section, Faculty of Medicine, Imperial Collage

Epidemiology and Genetics of Diabetic Complications

Prof. Dr. İlhan Satman (Turkey)

Vice President, The Society of Endocrinology and Metabolism of Turkey

Div. of Endocrinology and Metabolism, Dept. of Internal Medicine, Istanbul University Istanbul Faculty of Medicine

Genetics of Obesity

Prof. Dr. Metin ÖZATA (Turkey)

Chair, Div. of Endocrinology and Dept. of Internal Medicine, GATA Haydarpaşa Training Hospital

11:00 - 12:30

SESSION - 6B AGING

Chairs : Prof. Dr. Yeşim Gökçe Kutsal (Turkey)

President, Geriatrics Society (Turkey)

Director, Hacettepe University Geriatric Sciences Research and Application Centre (HU-GEBAM)

Dept. of Physical Medicine and Rehabilitation, Hacettepe University Faculty of Medicine

Prof. Dr. Gülden Köksal (Turkey)

Board Member, Turkish Society of Public Health Genomics and Nutrigenetics

Chair, Div. of Dietetics, Dept. of Nutrition and Dietetics, Hacettepe University Faculty of Health Sciences

Immunoaging

Prof. Dr. Ender Terzioğlu (Turkey)

Chair, Dept. of Immunology and Rheumatology, Akdeniz University Faculty of Medicine

Hormone Replacement Therapy and Genetics

Prof. Dr. Mithat Yılmaztürk (Turkey)

President, Anti-Aging Society

Dept. of Gynecology and Obstetrics, Yeditepe University Faculty of Medicine

Genetics and Osteoporosis

Dr. Fernando Rivadeneira (the Netherlands)

Dept. of Internal Medicine and Dept. of Epidemiology&Biostatistics, Erasmus Univ. Medical Center

12:30 - 13:30

LUNCH



2nd ISTANBUL INTERNATIONAL SYMPOSIUM ON PUBLIC HEALTH GENOMICS CHRONIC-COMPLEX DISEASES AND GENETICS

13:30 - 15:00

SESSION - 7A INSULIN RESISTANCE, TYPE 2 DIABETES AND OBESITY-2

Chairs : Prof. Dr. Temel Yılmaz (Turkey)

President, Turkish Diabetes Foundation

Div. of Endocrinology and Metabolism, Dept. of Internal Medicine, Istanbul University Istanbul Faculty of Medicine

Prof. Dr. Helmut Brand (the Netherlands)

Project Director, Public Health Genomics European Network (PHGEN)

Head, Dept. of International Health, Maastricht University Faculty of Health, Medicine, and Life Sciences,

Obesity, Inflammation, Diabetes and Cardiovascular Risk

Prof. Dr. Wolfgang Hoepfner (Germany)

Faculty Member, Biochemistry and Molecular Biology, University of Hamburg Faculty of Medicine

Genetic Variations in Obesity and Insulin Resistance

Prof. Dr. Kubilay Karşıdağ (Turkey) (tbc)

Div. of Endocrinology and Metabolism, Dept. of Internal Medicine, Istanbul University Cerrahpasa Faculty of Medicine

OBESIS Project

Dr. Tomris Cesuroglu (Turkey)

R&D Coordinator, GENAR Institute for Public Health and Genomics Research

13:30 - 15:00

SESSION - 7B NEUROSCIENCE

Chairs : Prof. Dr. Turgay Dalkara (Turkey)

Dept. of Neurology, Hacettepe University Faculty of Medicine

Principle Member, Turkish Academy of Sciences

Prof. Dr. Çiğdem Özkara (Turkey)

Dept. of Neurology, Istanbul University Cerrahpasa Faculty of Medicine

Psychiatric Disorders and Genetics

Assoc. Prof. Dr. Ali Saffet Gönül (Turkey)

Dept. of Psychiatry, Ege University Faculty of Medicine

Genetics of Epilepsy

Prof. Dr. Betül Baykan (Turkey)

Dept. of Neurology, Istanbul University Istanbul Faculty of Medicine

Neurodegenerative Diseases and Genetics

Prof. Dr. Borut Peterlin (Slovenia)

Head, Institute of Medical Genetics, University Medical Center, Ljubljana

15:00 - 15:30

BREAK



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15:30 – 17:00

SESSION - 8

The Way Forward and Conclusions

Chairs : Prof. Dr. Güven Lüleci (Turkey)

President, The Society of Medical Genetics of Turkey

Chair, Dept. of Medical Biology and Genetics, Akdeniz University Faculty of Medicine

Prof. Dr. Walter Ricciardi (Italy)

Steering Committee Member, Public Health Genomics European Network

Chair, Dept. of Community Health, Institute of Public Health, Faculty of Medicine, University of Sacred Heart, Rome

Overview of and Reflections from the Symposium

Dr. Serdar Savaş (Turkey)

Symposium Secretary

Director, GENAR Institute for Public Health and Genomics Research

Steering Committee Member, Public Health Genomics European Network

The Future Beckons

Prof. Dr. Tayfun Özçelik (Turkey)

Chair, Dept. of Molecular Biology and Genetics, Bilkent University

The Future of Health Systems and Public Health Genomics

Dr. Mark Danzon (WHO)

Regional Director for Europe, World Health Organisation

Closing Remarks

Prof. Dr. Memnune Apak (Turkey)

Symposium Chairperson

GALA DINNER

