

# SCIENTIFIC PROGRAM

Wednesday **21** November 2007

08.00 – 09.30

Registration

## Session 1

### Leaders in Genomics and Healthcare

09.30 – 10.00

**The Human Variome Project and Pilot Projects**  
Prof. Richard Cotton, The Human Variome Project

10.00 – 10.30

**Integration of Genomic Sciences and Genomic Medicine**  
Prof. Edison Liu, The Human Genome Organisation

10.30 – 11.00

**Newborn Screening in the Region**  
Dr. Danuta Krotoski, National Institutes of Health, USA

11.00 – 11.30

**Priorities, Publication and Credit**  
Dr. Myles Axton, Nature Genetics, USA

11.30 – 12.00

Coffee Break

## Session 2

### Complex and Recessive Disorders in the Arab World

12.00 – 12.30

**Genetic Disorders in Arab Populations**  
Dr. Ghazi O. Tadmouri, Centre for Arab Genomic Studies, UAE

12.30 – 13.00

**Advances in the Genetics of Type 2 Diabetes Mellitus**  
Prof. Riad Bayoumi, Sultan Qaboos University, Oman

13.00 – 13.30

**Delineation of the Clinical and Molecular Basis Underlying Several New Recessive Disorders in the UAE**  
Prof. Lihadh Al-Gazali, UAE University, UAE

13.30 – 14.30

Lunch Break

## Session 3

### From Phenotypes to Genotypes

14.30 – 14.50

**Mutation in WNT10A is Associated with an Autosomal Recessive Ectodermal Dysplasia: The Odonto-Onycho-Dermal Dysplasia**  
Prof. Andre Megarbane, Saint Joseph University, Lebanon

14.50 – 15.10

**Anhydrotic Ectodermal Dysplasia in Omani Families**  
Dr. Anna Rajab, Ministry of Health, Oman

15.10 – 15.30

**A Novel Approach for the Study of the Genetics of Hypertension in Arabs: Heritability and Linkage Analysis Results of "Oman Family Study"**  
Prof. Mohammad O. Hassan, Sultan Qaboos University, Oman



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15.30 – 15.50

**A Whole-Genome Scan in a Large Family with Leukodystrophy and Oligodontia Reveals Linkage to 10q22**

Dr. Eliane Chouery, Saint Joseph University, Lebanon

15.50 – 16.10

Coffee Break

16.10 – 16.30

**Microarray as an Efficient Modern Molecular Tool in the Detection of Submicroscopic Genetic Abnormalities in Multiple Congenital Anomalies: Diagnosis and Prevention**

Dr. Sabitha Murthy, Al Wasl Hospital, United Arab Emirates

16.30 – 16.50

**Dominant Effect of Smoking on Airway Epithelium Gene Expression Profiles Among Individuals of European, African, Southeast Asian and Arabian Ancestries**

Prof. Lotfi Chouchane, Weill Cornell Medical College, Qatar

16.50 – 17.10

**Independent Introduction of Two Lactase Persistence Alleles into Human Populations Reflect Different History of Adaptation to Milk Culture**

Dr. Nabil S. Enattah, University of Helsinki, Finland

\* The 2nd Pan Arab Human Genetics Conference is accredited by the Faculty of Medicine and Health Sciences, UAE University, as the equivalent of 11 CME hours:



**21 November 2007**

- Session 1: 2 CME hrs
- Session 2: 1.30 CME hrs
- Session 3: 2.20 CME hrs

**22 November 2007**

- Session 4: 2.10 CME hrs
- Session 5: 1.40 CME hrs
- Session 6: 1.15 CME hrs



# SCIENTIFIC PROGRAM

Thursday **22** November 2007

## Session 4

### Bioethics and Human Genetics

09.30 – 10.00

**International Bioethics and Human Genetics. The activities of UNESCO**  
Prof. Henk ten Have, UNESCO

10.00 – 10.20

**Ethics of Mutation Databases: Correctness in Reporting Genetic Variation and its Effects**  
Prof. Richard Cotton, The Human Variome Project

10.20 – 10.40

**Genetic Counseling in the Muslim World: The Challenges**  
Dr. Aida Al Aqeel, King Faisal Specialist Hospital and Research Centre, Saudi Arabia

10.40 – 11.00

**Ethical Concerns to the use of Pre-implantation Genetic Diagnosis in the Gulf Cooperative Council States**  
Dr. Hamza A. Eskandarani, King Faisal University, Saudi Arabia

11.00 – 11.20

**What is the Impact of Genetic Counseling and Prenatal Diagnosis in Genetic Diseases Prevention in an Arab Muslim Population?**  
Prof. Habiba Bouhamed Chaabouni, Charles Nicolle Hospital, Tunisia

11.20 – 11.40

**Prevention of Genetic Diseases: Understanding Families and Communities hold the Key for Success**  
Dr. Anna Rajab, Ministry of Health, Oman

11.40 – 12.00

Coffee Break

## Session 5

### National Strategies for the Prevention of Genetic Disorders in the Region

12.00 – 12.20

**Bahrain National Hereditary Diseases Strategy (1984-2007)**  
Dr. Shaikha Al-Arrayed, Salmaniya Medical Complex, Bahrain

12.20 – 12.40

**National Strategy for the Prevention of Genetic and Congenital Disorders in Jordan**  
Prof. Hanan Hamamy, National Center for Diabetes, Endocrinology and Genetics, Jordan

12.40 – 13.00

**Newborn Screening for Inborn Errors of Metabolism-Combining Molecular and Biochemical Testing: A Saudi Perspective**  
Dr. Moeen Al-Sayed, King Faisal Specialist Hospital and Research Center, Saudi Arabia

13.00 – 13.20

**Newborn Screening in Lebanon: 12 Years Experience**  
Dr. Issam Khneisser, Saint Joseph University, Lebanon



# SCIENTIFIC PROGRAM

Thursday **22** November 2007

13.20 – 13.40

**Genotype-Phenotype Correlation in Gaucher Disease: Strategy for Prevention and Therapy in Egypt**  
Prof. Rabah Shawky, Ain Shams University, Egypt

13.40 – 14.45

Lunch Break

Session 6

Fast Track Reports

14.45 – 15.00

**ER Retention and Degradation of Mutated Proteins is a Common Mechanism in Numerous Loss-of-Function Recessive Diseases**  
Dr. Bassam R. Ali, UAE University, United Arab Emirates

15.00 – 15.15

**Successful Preimplantation Diagnosis in a Family Affected with Zellweger Syndrome**  
Dr. Moeen Al-Sayed, King Faisal Specialist Hospital and Research Center, Saudi Arabia

15.15 – 15.30

**Evaluation of Cell Free Fetal DNA in Maternal Plasma of Early and Late Onset Pre-Eclampsia Patients**  
Dr. Maha A. El Bassuoni, Menoufiya University, Egypt

15.30 – 15.45

**Molecular Analysis of F8 in Lebanese Hemophilia A Patients: Report on 23 Novel Mutations and Phenotype-Genotype Correlation**  
Dr. Claudia D. Khayat, Hotel Dieu de France Hospital, Lebanon

15.45 – 16.00

**Most Encountered Genetic Disorders in Egypt: Classification and Registry**  
Prof. Mona El-Ruby, National Research Centre, Egypt

16.00 – 16.30

Coffee Break

Closure

16.30 – 17.00

Announcing the Dubai Declaration

\* Certificates of Attendance and Accreditation will be distributed towards the end of Session 6 to attendees who submit the completed conference questionnaires.

