

P4 Predictive Preventive Personalized Participatory MEDICINE MEETING

ANADOLU UNIVERSITY, FACULTY OF PHARMACY
13 -16 SEPTEMBER 2012
ESKİŞEHİR, TÜRKİYE



Under the Aegis of:

ACIBADEM UNIVERSITY, TÜRKİYE

C2H-Vichy Genomics/KAANMED

ESKİŞEHİR OSMANGAZİ UNIVERSITY, TÜRKİYE

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WHAT MAKES THIS INTERNATIONAL CERTIFICATE PROGRAM UNIQUE?

Through the **1ST INTERNATIOANL CERTIFICATE PROGRAM of PREDICTIVE and PERSONALIZED MEDICINE/HEALTHCARE IN DAILY MODERN MEDICINE and PHARMACY**, we would like to underline the importance and application of individual approach to predictive, preventive, personalized and participatory (**P4**) medicine/healthcare delivery into the mainstream of clinical practices such as oncology, psychiatry, cardiology, nutrition, infectious diseases, occupational health and genetic testing with a significant impact on "New Genetics" for improvement of healthcare. We sincerely hope that this certificate program will develop mutual awareness of personalized medicine/healthcare applications and will form a scientific platform for discussing the significance of genomics and pharmacogenomics in clinical practice for P4 medicine while taking into account the bioethical aspect and raising challenging questions in the context.

WHY THIS CERTIFICATE PROGRAM IS ORGANIZED

The concept of P4 medicine/healthcare is a lifelong and individually tailored healthcare approach to the detection, prevention and treatment of diseases using disease-based knowledge on individuals' personalized peculiarities and their precise genetic profile. The philosophy behind personalized medicine is that every patient has a unique biology. P4 medicine/healthcare deals with individual diversities and the complexity of human body considering external factors such as environmental or lifestyle factors. By analyzing and examining each person according to his proper context, personalized medicine enables the change from "**disease-centered**" healthcare to "**human-centered**" healthcare and contributes to individual approach for routine medical and pharmaceutical practices.

Pharmacogenomics which studies genetic variations among individuals to predict disease susceptibility and responses to therapeutic agents can be regarded as the '21st Century's answer' for rational use of drugs - **the right drug to the right patient at the right dose**.

Education of health professionals about genetics is essential in the post-genomic era for integration of P4 medicine into the mainstream of healthcare. The ultimate goal of this program, which is intended for clinicians, pharmacists, investigators, industry, physicians and medical students, nurses and other clinical research staff, is to have high level specialists encouraged to use P4 medicine in clinical practice by applying genetic science to human health as a regular and reliable method with ethical, clinical and psychological approach.

The strategy of Anadolu University "Lifelong Learning" will be realized through "Current and Future Need for Education in Personalized Medicine/Healthcare".

Information gathered through this program will help to make personalized medicine/healthcare reality available to everybody.

TARGET AUDIENCE

- 1 Physicians
- 2 Pharmacists
- 3 Graduate students (medical, pharmacy, life sciences, social sciences and public policy)
- 4 Dentists
- 5 Biologists
- 6 Nurses
- 7 Scientists and research staff
- 8 Other healthcare professionals (nutritionists, dieticians, etc)
- 9 Healthcare administrators, management science experts, healthcare IT professionals
- 10 Governments, departments of health and foreign affairs and their staff
- 11 Public and private payers, biomedical and diagnostics industry
- 12 Pharmaceutical industry
- 13 Pharmacoeconomists, economists, health policy-makers
- 14 Biotechnology and diagnostics medicine regulators
- 15 Patient advocates, citizen-scientists and social media experts

SUBJECTS ADDRESSED in the TRAINING PROGRAM

- 1 Polygenic and monogenic diseases
- 2 Role of genetics and environmental factors in the development and treatment of diseases
- 3 Drug metabolism
- 4 Drug-drug interactions
- 5 Pharmacogenetic testing for oncology, immunology, cardiology, asthma and psychiatry; liability issues for physicians and patients
- 6 Drug safety and pharmacovigilance
- 7 Genomics based preventive medicine
- 8 Therapeutic drug monitoring (TDM) and P4 medicine
- 9 Interpretation of pharmacogenetic test results as personalized reports through expert system
- 10 Data-intensive life sciences and P4 medicine
- 11 Pharmacoeconomics
- 12 Nutrigenetics and its practical applications
- 13 Personalized medicine for diabetes
- 14 Cancer genomics
- 15 Epigenetics
- 16 Cancer pharmacogenetics
- 17 Cardiovascular pharmacogenetics
- 18 Pharmacogenetics for neurology
- 19 Pharmacogenetics in psychiatry
- 20 Genomics and infectious diseases
- 21 Human microbiome and personalized medicine
- 22 Evidence-based medicine
- 23 Bioinformatics for personalized medicine
- 24 Ethical aspects of genomics
- 25 Genetic counseling for personalized Medicine: Patient rights, application of medical privacy and confidentiality for genetics

ORGANIZING COMMITTEE

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SCIENTIFIC PROGRAM

HONORARY GUEST

Prof.Dr. Graham Taylor, *PhD*

Head of Leeds Institute of Molecular Medicine (LIMM), Leeds, UK

1st Day, 13.09.2012

08:30 – 09:30	Registration
09:30 – 09:50	Welcome Prof.Dr. Yasemin Yazan, <i>PhD</i> , Dean, Anadolu University, Faculty of Pharmacy, Eskişehir, Türkiye Turkish Ministry of Health, (TBA), Ankara, Türkiye Prof.Dr. Davut Aydin, <i>PhD</i> , President, Anadolu University, Eskişehir, Türkiye
09:50 – 10:00	Opening Remarks Dr. Candan Hizel, <i>PhD</i> , Eskişehir, Türkiye; Vichy, France; Montreal, Canada
10:00 – 10:40	Summit Overview Prof. Dr. Kevser Erol, <i>PhD</i> , Eskişehir, Türkiye Assoc.Prof.Dr. Vural Özdemir, <i>MD</i> , <i>PhD</i> , Montreal, Canada
10:40 – 11:25	Keynote Collective Innovation in Post-genomics Personalized Medicine: Human Variome Project and Beyond Prof.Dr. Graham Taylor, <i>PhD</i> , Leeds, UK
11:25 – 11:40	Coffee Break
11:40 – 12:15	Human Lymphoblastoid Cell Lines as Drug Response Biomarkers Discovery Tool Prof. Dr. David Gurwitz, <i>PhD</i> , Tel-Aviv, Israel
12:15 – 12:50	Moving Knowledge on Human Genome SNP Variation to the Clinic Prof.Dr. Nazlı Başak, <i>PhD</i> , İstanbul, Türkiye
12:50 – 14:00	LUNCH
14:00 – 14:35	Clinical Applications of Pharmacogenetics in Psychiatry Prof.Dr. Marja-Liisa Dahl, <i>MD</i> , <i>PhD</i> , Stockholm, Sweden
14:35 – 15:10	Genetic and Environmental Contributions to Human Disease Susceptibility: Lessons Learned in the Arab Populations Dr. Ghazi Tadmouri, <i>PhD</i> , Dubai, UAE
15:10 – 15:30	Coffee Break
15:30 – 16:05	Cancer Genomics and Personalized Medicine Prof.Dr. Yves-Jean Bignon, <i>MD</i> , <i>PhD</i> , Clermont-Ferrand, France
16:05 – 16:40	Epigenetics and Personalized Medicine Dr. Dominique Bernard-Gallon, <i>PhD</i> , Clermont-Ferrand, France
16:40 – 17:15	Drug Biotransformation Prof.Dr. Ece Genç, <i>PhD</i> , İstanbul, Türkiye
19:30-21:30	Cocktail Party

2nd Day, 14.09.2012

09:00 – 09:35	Pharmacogenetics of Drug Metabolizing Enzymes: Lessons Learned in Türkiye Prof.Dr. Ümit Yaşar, MD, PhD, Ankara, Türkiye
09:35 – 10:10	Pharmacogenetics and Drug-Drug Interactions: What Do Pharmacists and Physicians Need to Know Prof.Dr. Jacques Turgeon, PhD, Montreal, Canada
10:10 – 10:45	Fourth Paradigm Data-Intensive Science for Personalized Medicine: Introduction and Invitation to DELSA Prof.Dr. Eugene Kolker, PhD, Seattle, USA
10:45 – 11:05	Coffee Break
11:05 – 11:40	Genomics Medicine Horizon Scanning: Global Personalized Medicine and Linking Research to Practice Assoc.Prof.Dr. Vural Özdemir, MD, PhD, Montreal, Canada
11:40 – 12:15	Bioinformatics for Personalized Medicine Part I Assist.Prof.Dr. Yeşim Aydin Son, MD, PhD, Ankara, Türkiye
12:15 – 12:50	Personalized Medicine for Metabolic Disorders: Focus on Diabetes Prof.Dr. Pavel Hamed, MD, PhD and Dr. Johanne Trembley, PhD, Montreal, Canada
12:50 – 14:05	LUNCH
14:05 – 14:40	Bioinformatics for Personalized Medicine Part II Assist.Prof.Dr. Yeşim Aydin Son, MD, PhD, Ankara, Türkiye
14:40 – 15:15	Personalized Medicine and Pharmacogenomics in Primary Care Assoc.Prof.Dr. Nathalie Khoueiry-Zgheib, MD, PhD, Beirut, Lebanon
15:15 – 15:35	Coffee Break
15:35 – 16:10	Convergence of Pharmacoepidemiology and Pharmacogenetics in Personalized Medicine Assoc.Prof.Dr. Gillian Bartlett, PhD, Montreal, Canada
16:10 – 16:45	Continuum from Monogenic to Polygenic and Multi-factorial Disease Prof.Dr. Hülya Kayserili, MD, Istanbul, Türkiye
16:45 – 17:20	Nanotechnology and Nanodiagnostics for Personalized Medicine Dr. Gürer Budak, MD, PhD, MBA, Ankara, Türkiye
19:30 –	GALA DINNER

3rd Day, 15.09.2012

09:00 – 09:35	SNPs for Assessing Response to Cancer Chemotherapy Prof.Dr. Mehmet Gündüz, MD, PhD, Ankara, Türkiye
09:35 – 10:10	Direct-to-Consumer Personal Genomics Tests: Challenges and the Road Ahead Prof.Dr. Denise Avard, PhD, Montreal, Canada
10:10 – 10:45	Clinical Applications of Cancer Pharmacogenetics: Lessons Learned in Türkiye Prof.Dr. Ahmet Demirkazik, MD, PhD, Ankara, Türkiye
10:45 – 11:05	Coffee Break
11:05 – 11:40	Nutrigenetics and Nutraceuticals Prof.Dr. Helena Baranova, MD, PhD, Monaco
11:40 – 12:15	Enhancing Patient Care with 2C9 Genotyping for Clopidogrel Dosing and Efficacy Dr. Robert Cole, MD ve Fareed Kureshy, MBA, San Diego, USA
12:15 – 12:50	Dosage Individualization: Modernizing Conventional Therapeutic Drug Monitoring with Pharmacogenetic Testing in Personalized Medicine Prof.Dr. Matthias Schwab, MD, PhD, Stuttgart, Germany
12:50 – 14:05	LUNCH
14:05 – 14:40	Genomics and Infectious Diseases: Focus on HIV and HCV Dr. Frédéric Libert, PhD, and Dr. Christine Jacomet, MD, Clermont-Ferrand, France
14:40 – 15:15	Cardiovascular Pharmacogenetics: Lessons Learned Dr. Véronique Michaud, PhD, Montreal, Canada
15:15 – 15:35	Coffee Break
15:35 – 16:10	Pharmacogenetic Testing and Preparation of Personalized Reports by Using Expert System to Interpret Test Results: Case Studies in Oncology, Psychiatry, Cardiology, Diabetes, Gastroenterology and Analgesics. Dr. Candan Hizel, PhD, Eskişehir, Türkiye; Vichy, France; Montreal, Canada
16:10 – 16:45	Evidence-Based Medicine, Pharmacoconomics and Building Capacity for Health Technology Assessment in Türkiye Dr. Rabia Kahveci, MD, Ankara, Türkiye
16:45 – 17:30	Pharmacogenetic Applications in Neurology Prof.Dr. Demet Adapinar, MD, Eskişehir, Türkiye Prof.Dr. Halil Atilla, MD, İstanbul, Türkiye Prof.Dr. Ali Sazci, PhD, Kocaeli, Türkiye

Eskişehir by Night: Sightseeing and Dinner

4th Day, 16.09.2012

09:00 – 09:35	State of Genetic Testing in Türkiye Assoc.Prof.Dr. Cengiz Yakicier, <i>MD, PhD</i> , İstanbul, Türkiye
09:35 – 10:10	A New Frontier: Human Microbiome and Personalized Medicine Prof.Dr. Tanil Kocagöz, <i>MD, PhD</i> , İstanbul, Türkiye
10:10 – 10:40	Coffee Break
10:40 – 11:15	Pharmacovigilance and Adverse Drug Reaction (ADR) Prediction Prof.Dr. Semra Şardaş, <i>PhD</i> , İstanbul, Türkiye
11:15 – 11:50	Genetic Counseling for Personalized Medicine Dr. Belgin Kesim, <i>MD</i> , İstanbul, Türkiye
12:00 – 13:30	LUNCH
13:30 – 14:30	FINAL EXAM

- There will be Turkish-to-English and English-to-Turkish simultaneous translation.

REGISTRATION

REGISTRATION FEE*	Before 15 July 2012				After 15 July 2012			
	Daily		4-Day		Daily		4-Day	
Participant	200 TL	80 €	500 TL	200 €	250 TL	100 €	600 TL	240 €
Student								
Undergraduate Student	50 TL	20 €	100 TL	40 €	75 TL	30 €	150 TL	60 €
Graduate Student	75 TL	30 €	150 TL	60 €	100 TL	40 €	200 TL	80 €
Accompanying person	25 TL	10 €	50 TL	20 €	35 TL	15 €	70 TL	28 €

*Registration includes attendance to sessions, coffee breaks and welcome cocktail.

4-day lunch: 50 TL (20 €) (daily: 15 TL - 6 €)

Gala Dinner: 65 TL (25 €)

Bank Details

Name of Bank: T. Vakıflar Bankası T.A.O. Anadolu Üniversitesi Şubesi- ESKİŞEHİR, TÜRKİYE

Name of Account: Anadolu Univ. Ecz. Fak. Mez. Dern

EURO

- **Account No:** 00158048013463664
- **IBAN No:** TR 750001500158048013463664

TL

- **Account No:** 00158007293618287
- **IBAN No:** TR070001500158007293618287

ACCOMMODATION

HOTELS	Single Room /Day (BB+VAT)	1 Person in Double Room / Day (BB+VAT)
Anemon Hotel***** (www.anemonhotels.com)	100 \$ (82 €)	120 \$ (93 €)
ibis Hotel*** (www.ibishotel.com)	156 TL (68 €)	173 TL (76 €)
Grand Namlı Hotel*** (www.namliotel.com.tr)	99 TL (44 €)	139 TL (61 €)
ES Albatros Hotel*** (www.esalbatroshotel.com)	85 (37 €)	135 TL (59 €)

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LET'S GET PERSONAL

from "disease-centered" healthcare to "human-centered" healthcare

because we are all different!

**Cooperation of the following institutions
is kindly acknowledged**

- McGill University
- Eskişehir Pharmacists Chamber
- Turkish Association of Pharmacists
- Turkish Medical Association

This certificate program is accredited by Turkish Medical Association.

