

Day 1

27th April

Session Chairs

Gulsen Meral, Epigenetic Coaching Company, UK and Nisantasi University, Turkey
Chen Yong Lin, Georgetown University, USA

Conference Programme

Day 1 - April 27, 2026

Meeting Hall: London

08:00 - 08:45 Registrations

08:45 - 09:00 Opening Ceremony and Introduction

Keynote Presentations

09:00 - 09:40 Chen Yong Lin, Georgetown University, USA

Title: SPINT2 Mutations in the Kunitz Domain 2 Found in SCSD Patients Inactivate HAI-2 as Prostatic Inhibitor via Abnormal Protein Folding and N-glycosylation

09:40 - 10:20 Gulsen Meral, Epigenetic Coaching Company, UK and Nisantasi University, Turkey

Title: Nutrigenetic-Based Epigenetic Modulation: Prevention of Neurodegenerative Diseases and Reversal of Biological Aging for Healthy Longevity

Networking & Refreshments: 10:20 - 10:35 @ Lobby Nord

10:35 - 11:15 Alexander Lazarov, Sofia University, Bulgaria

Title: The New Reality of AI in Healthcare

11:15 - 11:55 Cees Th Smit Sibinga, University of Groningen and IQM Consulting, Netherlands

Title: How to Master and Sustain Quality in Transfusion Medicine

Oral Presentations

Session Chair Gulsen Meral, Epigenetic Coaching Company, UK and Nisantasi University, Turkey

Session Chair Chen Yong Lin, Georgetown University, USA

Sessions: Biomedical Engineering | Pharmacogenomics | Nano and Micro Technologies | Bioinformatics and Computational Genetics | Cancer Biology | Immunogenetics | Biomedical Imaging | Drug Discovery & Delivery | Ethics and Policies in Human Genetics | Neurogenetics | Cytogenetics | Genetic Disorders | Genetic Mapping | Biomechanics

11:55 - 12:25 Amine Sabri, Graduate School of Biomedical Engineering and Health Techniques, Morocco

Title: The Integration of Artificial Intelligence in Medical Imaging

12:25 - 12:55	Marcel Młyńczak, Clebre, Poland
Title: Validation of a Multi-Algorithm Respiratory Analysis Platform with Embedded Sensor for Home-Based Sleep Monitoring	
Group Photo: 12:55 - 13:10	
Lunch: 13:10 - 14:00 @ Open Lobby	
14:00 - 14:30	Mohammadmahdi Karimi, University of Iceland, Iceland
Title: Developing Reliable Sensory Feedback Pathways for Prosthetic Users via Vibrotactile Encoding	
14:30 - 15:00	Faranak Rostamjoud, University of Iceland, Iceland
Title: Enhanced EMG Control Through Residual Muscle Training in Individuals with Transtibial Amputation	
15:00 - 15:30	Abyt Ibraimov, International Higher School of Medicine, Kyrgyzstan
Title: Adaptive Changes of Chromosomal Q-heterochromatin in the Human Population	
15:30 - 16:00	Neval Burkay, Epigenetic Coaching Company, UK
Title: Genetic Variants Affecting Inflammation, Methylation, and Recovery in Elite Athletes: A Nutrigenetic Viewpoint	
Networking & Refreshments: 16:00 - 16:30 @ Lobby Nord	
Poster Presentations 16:30 - 17:00	
Poster Judge	Cees Th Smit Sibinga, University of Groningen and IQM Consulting, Netherlands
PP 001	Mauricio Martínez, Universidad La Salle, Mexico
Title: Neural Network–Driven Intelligent System for Early Detection of Amyotrophic Lateral Sclerosis	
PP 002	Andrea Martinez Zayas, Cinvestav Research Institute, Mexico
Title: H2A:Z as an Epigenetic Target for Eliminating Pancreatic Cancer Stem Cells (PCSCs)	
PP 003	Tomasz Gredes, Dresden University of Technology, Germany
Title: Electrospun Biodegradable PLA/Hydroxyapatite Nanocomposite Membranes for Bone and Soft Tissue Regeneration	

PP 004	Dimitra Kourti, National and Kapodistrian University of Athens, Greece
Title: Detection of Uropathogenic Bacteria Through a White Light Reflectance Spectroscopy Biosensing Platform	
PP 005	Michailia Angelopoulou, National and Kapodistrian University of Athens, Greece
Title: Multiplex Detection of Antimicrobial Resistant Uropathogens Through a White Light Reflectance Spectroscopy Biosensor	
PP 006	Sotirios Kakabakos, National and Kapodistrian University of Athens, Greece
Title: Optical Biosensor for Detection of Enterococcus Faecalis in Urine Samples	
PP 007	Andres Moron Mendoza, Autonomous Metropolitan University Iztapalapa Unit, Mexico
Title: Musculoskeletal Biomechanical Evaluation Using Magnetic Resonance Imaging in Hemodialysis Patients: Organizational and Public Health Policy Implications with a Gender Perspective	
Oral Presentations	
17:00 - 17:30	Ipek Meral, Epigenetic Coaching Company, UK
Title: The Convergence of AI and Epigenetics: Revolutionizing Precision Health through a Global Virtual Clinic Framework	
17:30 - 18:00	Margarida Santos, Imperial College London, United Kingdom
Title: Characterisation of Skin Mechanics and the Effects of Ageing through Non-invasive Methods	
Video Presentation	
VP 001	S Surya, Saveetha School of Law, India
Title: Neural Genetic Regulatory Concerns in National and Multinational Companies in Chennai- an Genome Law Inefficiency Perspective	
E-Poster Presentations	
EP 001	Giuseppe Gargano, UCAM Catholic University of Murcia, Italy
Title: Vitamin D and Articular Cartilage: The Role of Genetic Biomarkers in Osteoarthritis	
Day-1 Concludes followed by Certificate Distributions	

Day 2

28th April

Session Chairs

Gulsen Meral, Epigenetic Coaching Company, UK and Nisantasi University, Turkey

Chen Yong Lin, Georgetown University, USA

Day 2 - April 28, 2026	
Meeting Hall: London	
Keynote Presentations	
10:00 - 10:40	Uri Zilberman, Barzilai Medical University Center, Israel
Title: Amelogenesis Imperfecta Genes and New Mutations of Peculiar Types	
10:40 - 11:20	Alexander Lazarov, Sofia University, Bulgaria
Title: Patient-Safe Clinical Methods for Assessing the Reliability of Autonomously Generated AI Diagnostics: Theoretical Framework	
Networking & Refreshments: 11:20 - 11:35 @ Lobby Nord	
11:35 - 12:15	Chen Yong Lin, Georgetown University, USA
Title: ST14 Mutations Disrupt the Matriptase-EpCAM/Trop-2 Axis in Autosomal Recessive Ichthyosis with Hypotrichosis	
12:15 - 12:55	Gulsen Meral, Epigenetic Coaching Company, UK and Nisantasi University, Turkey
Title: Understanding Vitamin D Deficiency Personalized Approaches to Vitamin D Deficiency: The Role of Nutrigenetics and Epigenetics	
Lunch: 12:55 - 14:00 @ Open Lobby	
Oral Presentations	
Session Chair	Gulsen Meral, Epigenetic Coaching Company, UK and Nisantasi University, Turkey
Session Chair	Chen Yong Lin, Georgetown University, USA
Sessions: Gene Therapy Biomedical Engineering Genetic Engineering Stem Cell Genetics Cancer Genetics Molecular Biology and Genetics Global Health Tech Neural Engineering Cellular Bioengineering Translational Genetics Tissue Engineering Biomedical Imaging Cancer Technologies	
14:00 - 14:30	Motahareh Mirzadeh, Friedrich-Alexander University of Erlangen-Nuremberg, Germany
Title: Clinical Application of 3D Printed Scaffold to Regenerate Congenital Cleft Palate Defects	
14:30 - 15:00	Ceren Can, CARMED Pharmaceuticals, Turkey
Title: Genetic Insight to Daily Behavior: Bridging the Gap Between Science and Consumer Health	

15:00 - 15:30	Oyku Gonul Geyik, Istinye University, Turkey
Title: Translational Epigenetic and Multi-Target Therapeutic Potential of Carvacrol-based Essential Oil Formulations in Precision Oncology	
15:30 - 16:00	Gaurav Badoni, All India Institute of Medical Sciences Rishikesh, India
Title: Screening Himalayan Flora for Inhibitory Effects on Dengue Serotype 2 Replication	
Networking & Refreshments: 16:00 - 16:30 @ Lobby Nord	
16:30 - 17:00	Motahareh Mirzadeh, Friedrich-Alexander University of Erlangen-Nuremberg, Germany
Title: Optimising Polymer-Ceramic Ink Formulations for Clinically Effective 3-D-Printed Hydroxyapatite Meshes in Craniofacial Reconstruction	
17:00 - 17:30	Eric Z M Gbotoe, Grand Gedeh University College, Liberia
Title: Building Resilient Health Systems in Low-Resource Settings through Biomedical Science and Engineering: A University-Led Model for Sustainable Health and Innovation in Liberia	
Day-2 Concludes followed by Certificate Distributions and Vote of Thanks	

Virtual

28th April

Virtual Presentations	
Day 2 - April 28, 2026, 10:00 BST	
Keynote Presentation	
10:00- 10:40	Nadya AlYacoub, King Faisal Specialist Hospital and Research Centre, Saudi Arabia
Title: DCAF17 Deficiency Triggers Ferroptosis and Inflammatory Cell Death via Mitochondrial-Lysosomal Dysfunction in Germ Cells	
Oral Presentation	
10:40 - 11:05	Raghda Abdelmonem Abdelmajeed Mahmoud, German University, Egypt
Title: N-methyladenosine RNA base Modification Regulates NKG2D-dependent and Cytotoxic Genes Expression in Natural Killer Cells	
Poster Presentation	
11:05 - 11:15	Lala A Akhundova, MSE Republic of Azerbaijan, Azerbaijan
Title: Genetic Association of Polymorphisms of the KCNJ11, PPARG, and TCF7L2 Genes with T2D in Azerbaijan Population	
Oral Presentations	
11:15 - 11:40	Homaira Arian, Anadolu University, Turkey
Title: Genetic Advancements in Breast Cancer Treatment: a Review	
11:40 - 12:05	Nermeen Mohamed Sayed Ahmed Badr Elbakary, Egyptian Atomic Energy Authority, Egypt
Title: Nattokinase Mitigates Myocardial Damage and Renal Dysfunction in γ -Irradiated Rats Treated with Isoproterenol	
12:05 - 12:30	Laiba Rehmat, Aga Khan University, Pakistan
Title: Anti-Mullerian Hormone Gene Polymorphism in Polycystic Ovary Syndrome: A Pilot Study	
12:30 - 12:55	Hema Kumar Chandru, Dayananda Sagar College of Engineering, India
Title: Bioinformatics Analysis of Genes Responsible for Diseases such as Breast Cancer, Lupus, and Gonorrhea	

12:55 - 13:20	Sheikh Zinia Rahman, University of Dhaka, Bangladesh
Title: Integrated Genetic and In silico Analysis of GSTT1 and GSTM1 in Bangladeshi Patients with Chronic Obstructive Pulmonary Disease	
13:20 - 13:45	Humayra Ferdous, American International University-Bangladesh, Bangladesh
Title: Biomedical Science and Research for Lower and Middle-income Countries:From Public Health and Health Finance Perspective	
13:45 - 14:10	Raheel Bayat, Kavosh Nonprofit Educational-Research Institute, Kabul, Afghanistan
Title: Effects of Urtica dioica on Cognition in Hyperglycemic Animal Models: A Systematic Review	
14:10 - 14:35	Mariano Votta, Italian NGO Cittadinanzattiva, Italy
Title: A Broader Narrative on Respiratory Diseases. A Citizens and Patients Perspective towards the Development of an EU Respiratory Health Plan	
Virtual Concludes followed by Certificate Distributions	