

Agenda

27-30 May, 2024
ROOM F

المؤتمر الدولي الثامن
للاضطرابات الجينية ٢٠٢٤
جائزة الإمارات للحد من الاضطرابات الجينية
The 8th International Genetic
Disorders Conference 2024
UAE International Genomics Awards

Conference Agenda

٢٠ عاماً من العطاء و الريادة في المبادرات النوعية للارتقاء بجودة الحياة الصحية
20 years of excellence and leadership in innovative healthcare initiative



26 to 30 May 2024

Dubai World Trade Centre

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Day 2: Monday, 27 May 2024

Longevity: Diet & Smart Aging

Chair Moderator : Dr. Mishkat Shehata
Co-Chairs Moderator : Dr. Jaffer Khan
UAEFDA Moderators : Dr. Maryam Matar

09:00-09:15	Opening Message	HE Mariam Almheiri
09:15-09:30	Mediterranean Diet & the Prevention of Cardiovascular Disease	Prof. Samia Mora
09:30-09:45	Glycans are Modifiable Biomarkers and Functional Effectors of Age-related Diseases	Prof. Gordon Lauc
09:45-10:00	Healthy Longevity Medicine: Restoring and Maintaining Biological Age of Optimal Performance	Prof. Evelyne Bischof
10:00-10:15	The Role of Membrane Lipidome in Lifespan: Why Dietary Lipids can Impact Longevity	Dr. Vincenzo Di Donna
10:15-10:30	Novel Strategies to Delay Brain Aging and Cognitive Decline	Dr. David Vauzour
10:30-10:45	Fasting: The Fountain of Youth?	Dr. Mussaad Al-Razouki
10:45-11:00	Why Longevity Fails – Invisible toxic Exposures	Dr. Andrew Jeremijenko
11:00-13:00	IFCC Plenary Lecture - Hall 7	

Genetics for Non-Genetists

WORKSHOP+LUNCH

13:00-14:00	History & Basic of Genetics	Dr. Lova Matsa
	DNA Methylation Markers and Cervical Cancer	Dr. Mohammed Mezaal

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Genomics & Microbiome Discoveries

Chair Moderator : Dr. Luis Saravia
Co-Chairs Moderator : Dr. Ahmed AlHammadi
UAEFDA Moderators : Dr. Mohd Azzam Kayasseh

14:00-14:30	The Progress of Gene Therapy in Hemoglobinopathy - Insights from First-Hand Clinical Data	Dr. Chao Liu
14:30-15:00	Enhancing Longevity: Unveiling the Impact of the Gut Microbiome	Dr. Alla Zaentc
15:00-15:30	Understanding the Microbiome in Rare Genetic Disorders: Lessons from Very Early Onset Inflammatory Bowel Disease	Dr. Souhaila Al Khodor
15:30-16:00	Investigating Microbiome Dysbiosis and Species Interactions within Colonies under Diseased Conditions Employing Systems Biology Approaches	Dr. Mohammad Tauqeer Alam

PANEL Longevity & Smart Aging

Chair Moderator : Prof. Evelyne Bishof
Co-Chairs Moderator : Dr. Mussaad Al-Razouki
UAEFDA Moderators : Dr. Saba Habibollah

16:15-17:00	Smart Aging & Longevity	Dr. David Vauzour
		Dr. Jaffer Khan
		Dr. Andrew Jeremijenko
		Dr. Andrew McCombe
		Dr. Mishkat Shehata
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Day 3: Tuesday, 28 May 2024

Stem Cells & Regenerative Medicine

Chair Moderator : Dr. Sfoug AlShammary
Co-Chairs Moderator : Dr. Yahya Kiwan
UAEFDA Moderators : Dr. Fatima Jamali

09:00-09:15	Opening Message	Prof. Tomris Ozben
09:15-09:30	Development of Myocardial Regenerative Medicine for Severe Heart Failure	Prof. Yoshiki Sawa
09:30-09:45	Corneal Stem Cell Therapies: From Lab to Clinic	Dr. Sujjad Ahmad
09:45-10:00	Towards a better Understanding of Diabetes-Associated Gene Function through iPSC-Derived Islet Organoids	Dr. Essam Abdelalim
10:00-10:15	Apolipoproteins Have a Major Role in Cellular Tumor Dormancy in Triple Negative Breast Cancer: In-silico Study	Dr. Shimaa Elshenawy

Advancing Cancer Care

Chair Moderator : Prof. Thomas Adrian
Co-Chairs Moderator : Dr. Mahmood Al Mashhadani
UAEFDA Moderators : Dr. Burhan Fakhurji

10:20-10:35	Towards Eliminating Minimal Residual Disease in Ovarian Cancer to Prevent Recurrence	Prof. Ahmed Ashour Ahmed
10:35-10:50	AI in Cancer: Pathology Applications	Dr. Aaron Han
10:50-11:05	Epigenetics and Cancer	Dr. Ali Hamiche
11:05-11:20	Plasminogen Activator Inhibitor 1: Bridging Bench and Clinic in Cancer Research	Dr. Khalid Bajou
11:20-13:00	IFCC Plenary Lecture - Hall 7	

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Genetics for Non-Genetists WORKSHOP+LUNCH

13:00-14:00	Pharmacogenomics	Dr. Saba Habibollah
	Molecular Genetic Tools & Technology	Dr. Burhan Fakhurji

Leading Precision Therapies

Chair Moderator : Prof. Tomris Ozben
Co-Chairs Moderator : Dr. Aaron Han
UAEFDA Moderators : Dr. Rachel Stratton

14:00-14:30	Unlocking the Potential of «Body on a Chip» to recapitulate Living Systems in vitro	Dr. Ken-ichiro Kamei
15:00-15:30	Exploring Pharmacogenomics in the Middle East: Opportunities and Challenges	Prof. Mohammed Alsbou
15:30-16:00	Advances in Bone Marrow Transplantation	Dr. Shahrukh Hashmi

PANEL Stem Cells & Regenerative Medicine

Chair Moderator : Dr. Emmanouil Nikolousis
Co-Chairs Moderator : Dr. Fatima Jamali
UAEFDA Moderators : Dr. Shaikha Almazrouei

16:15-17:00	Stem Cells & Regenerative Medicine	Dr. Sujjad Ahmad
		Prof. Falco Geppino
		Dr. Rifat Hamoudi
		Dr. Kamal Khazanehdari
		Dr. Essam Abdelalim

END OF DAY



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Day 4: Wednesday, 29 May 2024

Genomics of Rare Disease I

Chair Moderator : Prof. Bassam Ali
Co-Chairs Moderator : Dr. Maryam ALShehhi
UAE GDA Moderators : Dr. Shaikha Almazrouei

09:00-09:15	Opening Message : Future Medicine Highlight	Dr. Maryam Matar
09:15-09:40	Unraveling Common Dyslipidemia in a Population Through Genetic Screening	Dr. Fahad Mahmood Al Zadjali
09:40-10:00	Genetics of Pediatric Cardiomyopathy: New Findings and Challenges	Prof. Alireza Haghighi
10:00-10:15	Deciphering the Genetic Landscape of ADPKD: Paving the Way for Novel Therapeutic Targets	Dr. Hamad Ali Yaseen
10:15-10:30	Newly identified Syndromes with novel phenotypes in Omani patients	Dr. Musallam Al Araimi
10:30-10:45	Promoting Rare Diseases Research in China: Challenges and Solutions	Mr. Boya Yu
10:45-11:00	Deconstructing Rare Diseases with Functional Genomics - a Middle Eastern Adventure	Dr. Luis Saraiva
11:00-13:00	IFCC Plenary Lecture - Hall 7	

Genetics for Non-Genetists WORKSHOP+LUNCH

13:00-14:00	Emerging Applications of Next-Generation Sequencing in Disease Biology	Dr. Mariam AlEissa
	Global Scenario of GC education and training and the possible strategic plans for the MENA region	Dr. B. R. Lakshmi Dr. Qurratulain Hasan

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Genomics of Rare Disease II

Chair Moderator : Hibat Omer
Co-Chairs Moderator : Dr. Mariam AlEissa
UAEFDA Moderators : Dr. Noura Almatrooshi

14:00-14:30	Global and Regional burden of Congenital Disorders Compared with the UAE's National Burden	Dr. Wael Osman
14:30-15:00	Testing and Counselling for Genetic Disorders in the Genomic Era	Dr. Qurratulain Hasan
15:00-15:20	Unveiling the Genetic Landscape of the Arab Population	Dr. Zeina Almahayri
15:20-15:40	Rare Diseases(RD): The Importance of Early Detection and Treatment in Ramathibodi Hospital Thailand	Prof. Thanyachai Sura
15:40-16:00	Rare Diseases and Gene Editing: Applications in the Neuromuscular Field	Dr. Jon Andoni Urtizberera
16:15-16:35	A Holistic Model Addressing the Needs of Rare Disorders- Case of Duchenne Muscular Dystrophy (DMD)	Dr. B. R. Lakshmi
16:35-17:00	Breaking the \$100 Genome Barrier: Our Journey from Bp to Pb	Dr. Toby Huang

Day 5: Thursday, 30 May 2024

Global Health AI: Uniting Nations for Genomic Insights and Data Governance

Chair Moderator : Dr. Mazin Gadir
Co-Chairs Moderator : Dr. Fady Hannah-Shmouni
UAEFDA Moderators : Philippe Gerwill

09:00-09:15	Opening Message	Ministry of Artificial Intelligence
09:15-09:30	From Data to Action: AI-powered Personalized Medicine and Global Health Equity	Dr. Noor AlSaadoun
09:30-09:45	Will Artificial Intelligence deliver Genomic Medicine? Review of applications of artificial intelligence in genomic medicine	Mark Bartlett

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09:45-10:00	The Automation of Clinical Genetic Data through Implementation of ACMG guidelines	Dr. Mariam Eldesouky
10:00-10:15	Beyond Borders, Beyond Bias: Can XR Revolutionize Healthcare Equity?	Dr. Sana Farid
10:15-10:30	PreciousGPT: Multimodal Multiomics Multi-species, Multi-tissue Multitasking Transformers for Aging Research and Drug Discovery	Dr. Alex Zhavoronkov

PANEL Genomics in the Metaverse

Chair Moderator : Philippe Gerwill
Co-Chairs Moderator : Dr. Noor AlSaadoun

10:45-11:30	Genomics in the Metaverse	Muhammed Fafis
		Dr. Khulood AlSayeah
		Dr. Alex Zhavoronkov
		Sonal Ahuja
		Dr. Sana Farid
11:30-13:00	IFCC Plenary Lecture - Hall 7	
END OF DAY		

