



# NEXT-GENERATION MEDICINE ————— 2026

POWERED BY AEON CLINIC

## Program Agenda

DATES: 13<sup>TH</sup> TO 16<sup>TH</sup> APRIL 2026

LOCATION: ATLANTIS THE PALM, DUBAI, UAE



AEON  
CENTRE FOR REGENERATIVE WELLNESS

DAY 1  
13TH APRIL 2026

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# The New Discipline: Standards, Safety, and the 2030 Clinic

**THEME: FROM EVIDENCE TO ADOPTION — BUILDING  
THE CLINIC OF 2030 TODAY**

- 9:00 AM – 9:45 AM ○ **STANDARDS KEYNOTE**  
From Bench to Bedside 2030: How Emerging Regenerative Modalities Will Reshape Real-World Clinical Practice  
**PROFESSOR SEAN NG**  
Founder and Consultant, Ming Medical in Malaysia  
Immunotherapy & Regenerative Medicine
- 9:45 AM – 10:30 AM ○ Regeneration Under the Microscope: ISSCR 2025 Guidance and its Influence on Emerging UAE Regulatory Frameworks for Advanced and Regenerative Therapies  
**DR SHAIKHA AL MAZROUEI**  
Co-founder, CELL LAB7  
Member of International Stem Cells Research Association ISSCR  
Member of International society of Cell and Gene Therapy  
Member of the International Cryobiology Society  
Head of UAE Stem Cell Group
- 10:30 AM – 11:00 AM ○ **COFFEE & EXHIBITION**
- 11:00 AM – 11:30 AM ○ **GRAND OPENING & WELCOME NOTE**
- 11:30 AM – 12:00 PM ○ **VISION KEYNOTE**  
Medicine 3.0: Shift from population risk to AI-driven digital twins for personalized care  
**MR PHILIPPE GERWILL**  
Digital Healthcare Humanist & Futurist  
Healthcare AI & Metavers KOL
- 12:00 PM – 12:25 PM ○ **SPOTLIGHT**  
How to design, run, and future-proof a next-gen longevity/ regenerative clinic  
**PROFESSOR DOMINIK THOR**  
President of Geneva College of Longevity Science, Professor of Pharmacy  
Visiting Professor Carol Davila University of Medicine & Pharmacy
- 12:25 PM - 12:50 PM ○ **TREND SPOTLIGHT**  
Global trends linking research innovation and investment in 2026  
**MS ROKSHA GEDIR**  
Chair Advisory Board Therme Art and Managing Director THERME Group
- 12:50 PM - 13:15 PM ○ Translating Regenerative Medicine into Clinical and Policy Frameworks: Ethics, Innovation & Future Adoption  
**MS ALYAA AL MULLA**  
Founder, Longevity Think Tank  
Longevity Policy Advisor & Founder, Longevity Think Tank
- 13:15 PM – 14:15 PM ○ **NETWORKING LUNCH**
- TRACK A** ○ **DATA TO DECISIONS: DIGITAL TWINS, RWE, QUALITY METRICS FOR LONGEVITY SERVICE LINES (MODERATOR- MR PHILIPPE GERWILL)**
- 14:15 PM – 14:45 PM ○ From Patient Data to AI-Powered Digital Twins: Predicting Disease Trajectories & Simulating Interventions Before They Reach the Clinic  
**MR PHILIPPE GERWILL**  
Digital Healthcare Humanist & Futurist  
Healthcare AI & Metavers KOL
- 14:45 PM – 15:15 PM ○ Actionable Longevity Insights: From Real-World Data to Personalized Interventions  
**MR SAKTHI VISAKAN**  
Founder & CEO of FABc Group

15:15 PM – 15:45 PM ○ Autonomous Clinics: AI Decision Support, Automation, and the Ethics of Algorithmic Medicine  
DR MAZIN GADIR  
Director, Healthcare & Life Sciences to Alvarez & Marsal (Dubai)  
Digital Health Expert in WHO Digital Health Technical Advisory Group and Roster of Experts

15:45 PM- 16:30 PM ○ **PANEL DISCUSSION**  
Intelligence at the Bedside: How AI is Redefining Clinical Decision-Making and the Future of Longevity Care  
MODERATOR: MR PHILIPPE GERWILL  
PANELLISTS: DR MAZIN GADIR; DR MISHKAT SHEHATA; MR SAKTHI VISAKAN; TBC

**TRACK B** ○ **THEME: REGENERATIVE OPHTHALMOLOGY  
(MODERATOR: DR SAJJAD AHMAD)**

14:15 PM – 14:45 PM ○ From Degeneration to Restoration: Cutting-Edge Approaches in Retinal Repair Science  
PROF HENRY KLASSEN MD, PHD  
Professor at UC Irvine  
Founder of jCyte, Inc.

14:45 PM – 15:15 PM ○ Corneal Regeneration & Cellular Therapy: from stem cell sheets to exosome enhanced transplants for burns and trauma  
DR SAJJAD AHMAD  
Consultant Ophthalmologist & Professor of Corneal Regeneration, Moorfields Eye Hospital / UCL

15:15 PM- 15:45 PM ○ Retinal regeneration and neuro-restoration strategies: gene editing, organoids and photoreceptor replacements  
DR ROLY MEGAW  
Consultant Ophthalmologist in NHS Lothian  
Senior Clinical Lecturer at the University of Edinburgh

15:45 PM- 16:30 PM ○ **PANEL DISCUSSION**  
The Future of Vision Restoration: Translating Regenerative Ophthalmology from Lab to Clinic  
MODERATOR: DR SAJJAD AHMAD  
PANELLISTS: PROF HENRY KLASSEN; DR ROLY MEGAW; TBC

16:30 PM – 17:00 PM ○ **COFFEE & EXHIBITION**

17:00 PM – 18:00 PM ○ **INVESTOR & INNOVATOR PANEL**  
A focused session bringing together leading investors and breakthrough innovators to discuss emerging opportunities, strategic collaborations, and future directions in longevity, regenerative, and precision health.  
MODERATOR: MR TARIQ QUREISHY  
PANELLISTS: TINA WOODS; PAULINE OGRODZKI

18:00 PM- 20:00 PM ○ **SUNSET COCKTAILS IN ATP- SPEAKER ONLY NETWORKING**

A hyperbaric oxygen chamber is shown from a front-facing perspective. The interior is illuminated with a bright blue light. A black leather chair is positioned inside the chamber. The chamber has a metallic frame and a transparent door. To the right of the chamber, there is a control panel with various buttons and a telephone.

DAY 2  
14TH APRIL 2026

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# Healthy Longevity: Therapeutics, Trials & Real-World Outcomes

AirPod

**MODERATOR: ETTIENE DU PLIESS**

9:00 AM – 9:30 AM



**SPOTLIGHT ADDRESS**

The Future of Medicine: Longevity, Data, and the Human Potential Revolution

**MR. QURIESHY**

CEO of Xponential & MAD Group

Board Member, Global Speaker, Transformation Advisor & Expert, Author, Podcast Voices of the Future

Founder of the Future Readiness Institute

9:45 AM – 10:30 AM



**HEALTHSPAN KEYNOTE**

From Geroscience to Guidelines: Turning aging science into practical, measurable clinical frameworks

**PROF BRIAN KENEDY**

Director at Center of Healthy Longevity

Professor Departments of Biochemistry & Physiology at National University Singapore

10:00 AM – 10:30 AM



**METABOLIC KEYNOTE**

The GLP-1 Decade: Beyond Weight — Cardiometabolic Risk & Sarcopenia

**DR ANDREA GARTNEBACH**

Co-Founder, Axmann Gartenbach – Private Health Management

Director of Education, Geneva College of Longevity Science

10:30 AM – 11:00 AM



**COFFEE & EXHIBITION**

**THEME- THERAPEUTICS: MTOR MODULATION, NAD+ & MITOCHONDRIA, MICROBIOME-INFORMED PROTOCOLS**

**MODERATOR: MISHKAT SHEHATA**

11:00 AM – 11:35 AM



mTOR Modulation 2.0: Designing Rapalog & Novel Inhibitor Programs for Safe Healthspan Extension

**PROF BRIAN KENEDY**

Director at Center of Healthy Longevity

Professor Departments of Biochemistry & Physiology at National University Singapore

11:30 AM - 12:00 AM



Powering the Aging Cell: NAD+ Restoration, Mitochondrial Therapies & Device-Assisted Delivery (PBM, IV Endolaser etc)

**DR MICHEL WEBER**

Director of the Center of TCM, Mitochondrial and Preventive Medicine in Portugal

President of European TCM Laser Academy

12:00 PM - 12:20 PM



The Longevity Microbiome: Precision Pre/Probiotics, Postbiotics & Gut-Immune Reprogramming for Healthy Aging and systemic resilience

**DR ALLA ZAENTC**

Functional Medicine Specialist at AEON Clinic

12:20 PM - 12:40 PM



Designing the Longevity Clinic of Tomorrow: Operational Excellence, Regulation & Innovation in the UAE and GCC

**DR. MISHKAT SHEHATA, MBBS, MRCP, MPH, DRCOG, DIPIBLM, AFMCP**

Founding Member & Vice President, ELLMS

Executive Committee Member, WLMO

Chief Medical Officer, OMICS

Advisory Board Member, Titian Life Sciences

Board-Certified Consultant Physician in Lifestyle, Functional & Family Medicine

Advisor & Educator

12:40 PM - 13:00 PM



The Longevity Education Revolution: Training Physicians for the Healthspan Century

**PROFESSOR DOMINIK THOR**

President of Geneva College of Longevity Science, Professor of Pharmacy

Visiting Professor Carol Davila University of Medicine & Pharmacy

12:40 PM - 13:00 PM



Precision in Practice: Integrating Genomic Data into Longevity Care

**DR SABA HABIBOLLAH**

MD, PHD, MSc, Director Clinical Operations and Genomic & Longevity Medicine

Specialist at AEON Clinic

13:15 PM – 14:15 PM ○ **NETWORKING LUNCH**

**MODERATOR:**

14:15 PM – 14:45 PM ○ **SPOTLIGHT**

Ozone Therapy and Longevity: Redox Balance, Mitochondrial Optimization & Systemic Regeneration

ASSOCIATE PROFESSOR ADRIANA BOTEZATU

**TRACK A** ○ **THEME: REGENERATIVE IMMUNOLOGY & INFLAMMAGING RESET**

**MODERATOR:**

14:45 PM - 15:15 PM ○ **KEYNOTE**

The Current status and Immediate Future of Regenerative Medicine

PROF. CHRIS PAULUS

Executive Director at American Society of Regenerative Medicine (ASRM),  
American Board of Regenerative Medicine (ABRM) and American  
Academy of Regenerative Medicine (AARM)

15:15 PM - 15:45 PM ○

Rebooting Immunity: A Regenerative Approach to Mitochondrial Dysfunction and Orthomolecular Restoration

DR MICHEL WEBER

Director of the Center of TCM, Mitochondrial and Preventive Medicine in Portugal  
President of European TCM Laser Academy  
Expert in the field of Functional, Orthomolecular Medicine & Mitochondrial Medicine

15:45 PM - 16:10 PM ○

Inflammaging Reversal: Targeting Cellular Senescence, Cytokine Drift & Immune Dysregulation Across the Lifespan

DR. BASANTA KHATRY-CHHETRY

General Practitioner- Functional, Regenerative and Wellness Medical Practitioner at AEON Clinic

16:10 PM - 16:40 PM ○

Ozone Therapy in Clinical Medicine: Immune Modulation, Microcirculation & Systemic Healing Pathways

PROFESSOR NICOLAE BODRUG

Head of the Discipline of Geriatrics and Occupational Medicine  
Professor of Internal Medicine, "Nicolae Testemițanu" State University of Medicine and Pharmacy  
President, Moldovan Association of Gastroenterology and Digestive Endoscopy

16:40 PM - 17:00 PM ○

Multi-Omics Medicine: Transforming Complex Data into Personalized Health Strategies

DR WAEL ABDRABOU

Assistant Professor & Systems Biology Researcher, Abu Dhabi University

**TRACK B** ○ **THEME: PEPTIDE THERAPEUTICS & ADVANCED IV MEDICINE**

14:45 PM - 16:00 PM ○ **PEPTIDE TRACK**

**MODERATOR: TBC**

14:45 PM – 15:10 PM ○

Peptides for Recovery & Performance Longevity: Accelerating Tissue Repair, Musculoskeletal Healing & Neuro-Recovery in Active Individuals

DR HAYTHAM SALEM

Specialist Orthopedic Surgeon, Sports Injuries, Arthroscopy & Regenerative Medicine at Medcare Hospital & Medical Centres

15:10 PM – 15:35 PM

Peptide Medicine 2.0 — Mechanistic Longevity: Cellular Repair, Senolytic Modulation & Tissue Regeneration

**DR JOSPEH DIB**  
Medical Director, Jumeirah American Clinic  
Expert in Functional & Regenerative Medicine

15:35 PM – 16:00 PM

Metabolic Rejuvenation with Peptides: Mitochondria, Energy Pathways & Metabolic Reset Protocols

**DR BISHOY SAWIRIS**  
Global Director of Business Development & Medical Affairs at Fusion Apothecary

**16:00 PM- 17:00 PM**

### **ADVANCED IV THERAPY TRACK**

16:00 PM – 16:30 PM

Evaluating Premium IV Formulations: Pharmaceutical Quality, Stability, Bioavailability & Clinical Relevance

**DR BISHOY SAWIRIS**  
Global Director of Business Development & Medical Affairs at Fusion Apothecary

16:30 PM – 17:00 PM

Targeted IV Protocol Design for Regeneration: Mitochondrial Rescue, Immune Rebalancing & Inflammation Control

**DR ALLA ZAENTC**  
Functional Medicine Specialist at AEON Clinic

17:00 PM – 17:30 PM

### **COFFEE & EXHIBITION**

17:30 PM - 18:30 PM

### **CASE GRAND ROUNDS**

Interactive clinical case review on complex longevity protocols.  
MODERATOR: DR. FRANCISCO DE MELO



DAY 3  
15TH APRIL 2026

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Regeneration in Motion: MSK/Ortho,  
Pain & Brain – Mental Health Longevity

**MODERATOR: DR FATIMA JAMALI AND DR SHAIKHA AL MAZROUIE**

9:00 AM – 9:30 AM



**SPOTLIGHT TALK**

The Regenerative Human: Rebuilding Body and Mind in the Age of Intelligent Healing

**MR. QURIESHY**

CEO of Xponential & MAD Group

Board Member, Global Speaker, Transformation Advisor & Expert , Author , Podcast Voices of the Future  
Founder of the Future Readiness Institute

09:30 AM – 09:50 AM



**ORTHO KEYNOTE ORTHOBIOLOGICS 2.0:**

Evidence-based updates in PRP, MSC, and Exosome-adjunct therapies

**PROF. DR. MASSIMO PIRACCI**

Consultant Orthopedic Surgeon specialized in Regenerative &  
Sports Medicine at Medcare Orthopedic Spine

09:50 AM – 10:10 AM



From injury to elite performance: a case presentation on combined PRP/HA and peptide therapy in injury management

**DR HAYTHAN SALEM**

Consultant in Sports & Exercise Medicine and Musculoskeletal Medicine  
Founder & Medical Director, Arthregen Clinics

10:10 AM – 10:30 AM



The New Standard of Care: Integrating Diagnostic Ultrasound in Holistic Longevity and Regenerative Practice

**DR ROZINA BADAL**

Global Development Director at American Board of Regenerative Medicine

10:30 AM – 11:00 AM



**COFFEE & EXHIBITION**

**THEME: REGENERATIVE ORTHOPAEDICS & CHRONIC PAIN LONGEVITY**

11:00 AM - 11:20 AM



Stem Cell Therapy in Chronic Pain Management: A Regenerative Approach to Long-Term Relief

**DR TAREK SULTAN**

MSc,MD, PHD Consultant Anesthesiologist & Pain Management & Regenerative Medicine in United Nations Hospital,  
Veteran Association Hospital, Gainesville Florida University FL USA  
Professor Researcher at College of Medicine University of Florida USA

11:20 AM - 11:40 AM



Muscle & Tendon Regeneration: From Injury Recovery to Performance Longevity

**DR AHMAD BARAKA**

Head of Physiotherapy & Rehabilitation in AEON Clinic

11:40 AM- 12:10 PM



**MENTAL HEALTH & BRAIN LONGEVITY KEYNOTE**

**MODERATOR: DR ALI VAHDANI**

Regenerating the Mind: Cellular, Peptide & Neuromodulation Strategies for Mental Health and Cognitive Resilience

**PROF. DR. ALEXANDER T. SACK**

Chair & Professor of Brain Stimulation and Applied Cognitive Neuroscience at Maastricht University & MUMC+

12:10 PM - 12:30 PM



The Inflammatory Brain: Neurovascular Cell Therapy, Stem Cell and Exosome Applications in Stroke Recovery

**ASSOCIATE PROFESSOR DR. MOJTABA KHAZAEI**

Neurologist, Neurovascular Intervention Specialist & Stem Cell Therapy Expert at Besat Hospital, Hamadan University of Medical Science, Iran

12:30 PM - 12:50 PM



The Brain's Cleansing System: Glymphatic Function, Sleep Architecture & Waste Clearance for Longevity

**DR OLIVIA LY LESSLAR**

Faculty Lecturer at Geneva College of Longevity Science

Functional Medicine Practitioner, Psychoneuroimmunology , Quantum med & TEDx Speaker

12:50 PM - 13:15 PM

Precision Neuromodulation in Practice: rTMS and Beyond for Depression, Anxiety & Cognitive Longevity

**DR ALI VAHDANI**  
Medical Director at AIC City PolyClinic  
Specialist Psychiatrist at AEON Clinic  
Healthcare Accreditation & Quality Improvement Specialist

13:15 PM - 14:15 PM

**NETWORKING LUNCH**

**THEME: TRANSLATIONAL UPDATES — NEW HORIZONS IN REGENERATIVE MEDICINE**

**MODERATOR: DR HIBA KHALIL**

14:15 PM - 14:45 PM

Metabolic Syndrome- a cure for Type 2 Diabetes Mellitus

**PROFESSOR SEAN NG**  
Founder and Consultant, Ming Medical in Malaysia  
Immunotherapy & Regenerative Medicine

14:45 PM - 15:15 PM

Advances in Hemoglobinopathy Management: From Pathogenic to Curative CRISPR-Cas9 Gene Editing/Therapy Approaches

**DR MEHRAN KARIMI**  
Pediatric Hematologist-Oncologist at American Hospital  
Professor Emeritus of Pediatric Hematology & Oncology

15:15 PM - 15:45 PM

Immunotherapy (Natural Killer Cells and EV Chemo-drug transport)

**PROFESSOR SEAN NG**  
Founder and Consultant, Ming Medical in Malaysia  
Immunotherapy & Regenerative Medicine

15:45 PM - 16:05 PM

Metabolic Regeneration 2.0: Redefining Detox Through Next-Generation Perfusion & Oxygenation Therapies

**DR MARTIN KRUPITZA**  
Founder, Biocannovea Medical Longevity Clinics

16:05 PM - 16:30 PM

AI Will Not Replace Doctors but Doctors Using AI will Redefine Medicine

**MR MARIO COLABUFO**  
Founder & CEO of MC Holding & Digital Minds Marketing Management Companies

14:15 PM - 16:30 PM

**MASTERCLASSES (HANDS-ON AND LIVE DEMONSTRATION)**

**TRACK A**

**NEUROMODULATION & BRAIN LONGEVITY**

Hands-on with rTMS and neurodevices for cognitive resilience

**TRACK B**

**BRIDGING BIOLOGY AND BIOMECHANICS: THE FUTURE OF REGENERATIVE ORTHOPEDICS**

Injectable hydrogels, exosome scaffolds, and stem cells for repair

16:30 PM - 17:00 PM

**COFFEE & EXHIBITION**

17:00 PM - 18:00 PM

**PLENARY PANEL**

Exosomes, MSCs & Orthobiologics: What's Real, What's Next, What's Regulated in regenerative science

**MODERATOR: DR ASAWARI BAPAT**  
**PANELLISTS: DR SHAIKHA AL MAZROUIE; DR CHRIS PAULUS; DR HIBA KHALIL; DR GUISEPPE MARCHESANI**

## TRACK A

### NEUROMODULATION & BRAIN LONGEVITY

Hands-on with rTMS and neurodevices for cognitive resilience

**DR ALI VAHDANI**  
Medical Director at AIC City PolyClinic  
Specialist Psychiatrist at AEON Clinic  
Healthcare Accreditation & Quality  
Improvement Specialist

**PROF. DR. ALEXANDER T. SACK**  
Chair & Professor of Brain Stimulation  
and Applied Cognitive Neuroscience at  
Maastricht University & MUMC+

#### WORKSHOP OVERVIEW

A practical training designed to build competency in rTMS application through live demonstrations, supervised practice, and case-based learning to build real-world clinical competency through immersive practice.

Duration: 2 hours 15 mins

Format: Live Demonstration; Supervised Practice; Case Simulations

Target Audience: Physicians, Psychiatrist, Neurologists, Mental Health Practitioners

14:15 PM – 14:25 PM

Orientation to rTMS Principles (10 mins)

- Fundamentals of rTMS technology and clinical applications
- Safety considerations and patient selection

14:25 PM – 14:40 PM

Demonstration: rTMS Device & Setup (15 mins)

- Equipment overview and calibration
- Coil types and positioning basics

14:40 PM – 15:05 PM

Hands-On Practice: Coil Positioning (25 mins)

- Motor threshold determination
- Correct placement techniques with peer-to-peer practice

15:05 PM – 15:35 PM

Protocol Application (30 mins)

- Application of standard protocols (depression, anxiety, OCD, ADHD)
- Troubleshooting and patient comfort strategies

15:35 PM – 16:00 PM

Integration & Case Scenarios (25 mins)

- Case-based exercises linking protocols to clinical presentations
- Role-play for patient intake and consent

16:00 PM – 16:15 PM

Documentation & Compliance (15 mins)

- Recording session parameters and outcomes
- Regulatory and quality assurance requirements

16:15 PM – 16:30 PM

Wrap-Up & Competency Check (15 mins)

- Practical assessment of skills
- Feedback and certification of participation

#### WORKSHOP OVERVIEW

- Hands-on focus: 70% practical, 30% theory
- Small group rotations ensure direct practice for all participants
- Live supervision: immediate correction and feedback from facilitators
- Case-based learning: bridges theory with real-world clinical practice

TRACK B

## BRIDGING BIOLOGY AND BIOMECHANICS: THE FUTURE OF REGENERATIVE ORTHOPEDICS

Injectable hydrogels, exosome scaffolds, and stem cells for repair

DR MASSIMO PIRACCI

Consultant Orthopedic Surgeon specialized in Regenerative & Sports Medicine at Medcare Orthopedic Spine Hospital

### WORKSHOP OVERVIEW

The session will convey how injectable biomaterials, exosome-based scaffolds, and stem cell integrations are converging to restore function in orthopedic, pain, and neuro-regenerative applications.

The goal: demonstrate transition from bench to bedside — how smart biomaterials and biologics are being used today in real clinical protocols.

14:15 PM – 14:25 PM

### Opening and Framing the Session

Speaker: Dr. Massimo Piracci (Chair / Moderator)

Welcome and introduction

Overview of the regenerative paradigm: how hydrogels, exosomes, and scaffolds enhance repair in musculoskeletal and neural tissues

#### Objectives of the live demonstrations:

- Demonstrate clinically applicable methods for integrating biomaterials and biologics
- Provide scientific rationale backed by translational research
- Encourage interactive learning through live demonstrations

14:25 PM – 14:50 PM

### Keynote Lecture

Topic: Smart Biomaterials: From Injectable Hydrogels to Functional Tissue Integration

Speakers: Dr. Sharmila Tulpule – Orthopedic surgeon with expertise in regenerative medicine at Medcare Orthopedics & Spine Hospital Dubai. Expert in orthopedic regenerative treatments: PRP, stem cells, Goldic.

#### Content Focus:

- Evolution of bio-scaffolds
- Mechanotransduction and microenvironment design
- Translational hurdles: safety, vascularization, degradation kinetics

14:50 PM – 15:15 PM

### Translational Science Update

14:50 PM - 15:10 PM

Topic: Cellular Products in Regenerative Orthopedics: Science-Based Personalized Protocols (Prof. Hiba BadrEldin Khalil Ahmed)- Professor of Hematology and Stem Cell Technology – MLS; Research Scientist, Abu Dhabi Stem Cells Center, UAE; Founder of Alneelain Stem Cell Center, Sudan; Diplomat & Affiliate of American Board of Regenerative Medicine

15:10 PM - 15:30 PM

Topic: Exosome-Enhanced Scaffolds: A Next-Generation Platform for Orthobiologic Repair (Dr. Haytham Elkhatab)– Orthopedic surgeon in Dubai Marina with certification in regenerative medicine, PRP, guided injections, etc. (Emirates Hospitals)

#### Key Features:

- Role of MSC-derived exosomes in modulating inflammation and regeneration
- Integration of exosomes within biomaterials (collagen, hyaluronic, fibrin-based)

15:30 PM – 16:10 PM

### Live Demonstration (Masterclass Segment I)

Theme: Injectable Biologic Scaffolds in Orthopedic and Pain Applications

Lead Demonstrators:

Prof. Dr. Massimo Piracci – practical demonstration of hydrogel + stem cell mixture for joint and spine regenerative therapy

Prof. Dr. Mohammed Al Jumaily – intervertebral disc and paraspinal applications

#### Live Focus:

- Preparation and activation of injectable hydrogels
- Combination with PRP, BMAC, or ADSCs
- Ultrasound-guided injection techniques

16:10 PM – 16:30 PM



## Live Demonstration (Masterclass Segment II)

Theme: Exosome Scaffold and Neuroregeneration Interface

Lead Demonstration: Prof. Dr. Mohammed Al Jumaily – peripheral nerve repair with biologic conduits

### Highlights:

- Exosome-rich scaffolds for nerve gap repair
- Cross-talk between exosomes and host Schwann cells
- Pain modulation and neuroplasticity implications



16:30 PM – 16:40 PM



## Closing Remarks and Discussion

Moderator: Prof. Dr. Piracci Massimo

Integrative summary of orthopedic, pain, and neuroregenerative themes



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DAY 4  
16TH APRIL 2026

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Reproductive & Sexual Health,  
Women's Health, Andrology and  
Aesthetic Longevity

**MODERATOR: YULIYA BURMAGINA**

9:00 AM – 9:30 AM



Biomarkers of Aging: Mapping the Molecular Signatures of Longevity

**DR EVELYNE BISCHOF**  
Co-Founder & President, Healthy Longevity Medicine Society  
Professor of Medicine, Shanghai University of Medicine & Health Sciences  
Medical Director, Sheba Longevity Department  
Global Leader in Healthy Longevity Medicine, AI & Precision Health

09:30 AM – 10:00 AM



**WOMEN'S HEALTH KEYNOTE**

Reproductive Longevity: Regenerating ovarian function and extending fertility span

**DR ANNA SEPIOLA**  
Co-founder of EV Clinic in Dubai  
Functional & Aesthetic Gynecologist

10:00 AM – 10:30 AM



**ANDROLOGY KEYNOTE**

Male Sexual Health & Vitality: Redefining Masculine Longevity in the Modern Era

**DR FLUTURA HAROLD**  
General Practitioner Functional Medicine Longevity Doctor

10:30 AM – 11:00 AM



**COFFEE & EXHIBITION**

**TRACK A**



**THEME: FERTILITY & SEXUAL HEALTH REGENERATION- CLINICAL APPLICATIONS IN HORMONE AND FERTILITY RESTORATION**

11:00 AM - 11:20 AM



The Endocrine Clock of Fertility: Mitochondria, Epigenetics & Hormone Axis Rejuvenation

**DR JASMIN MALEK**  
Consultant in Family Medicine  
Specialist in Hormones, Metabolic Health, Aesthetic and Regenerative Medicine  
Founder of Menopause Circle

11:20 AM - 11:40 PM



Root Cause Reversal: Integrative and Functional Strategies for Infertility Management

**DR JOSEPH DIB**  
Medical Director, Jumeirah American Clinic  
Expert in Functional & Regenerative Medicine

11:40 PM - 12:00 PM



Regenerative Performance Medicine: Optimizing testosterone, vascular health, and libido in aging men

**DR OLEKSANDER KNIGAVKO**  
Consultant in Regenerative Urology and Mens Sexual Health

12:00 PM - 12:20 PM



Reprogramming the Mind-Body Axis: The Psychology of Stress, Hormones, and Fertility Longevity

**DR OLIVIA LY LESSLAR**  
Faculty Lecturer at Geneva College of Longevity Science  
Functional Medicine Practitioner, Psychoneuroimmunology , Quantum med & TEDx Speaker

12:20 PM - 13:00 PM



**PANEL DISCUSSION**

From Hormone Decline to Fertility Longevity: Integrative, Regenerative & Mind-Body Strategies That Work

MODERATOR: DR JASMIN MALEK

PANELLISTS: DR JOSEPH DIB; DR OLIVIA LY LESSLAR; DR ANNA SEPIOLA; DR YULIYA BURMAGINA

**TRACK B**



**THEME: RECONSTRUCTION AESTHETIC AND LONGEVITY - CELLULAR AND BIOLOGIC INTERVENTIONS FOR SKIN AND HAIR REJUVENATION.**

**MOEDRATOR: DR FRANCISCO DE MELO**

11:00 AM - 11:30 AM



Cellular Aesthetics: Exosomes, Stem-Cell-Derived Factors & Regenerative Biologics for Skin Longevity

**DR. LICA ECATERINA**  
Dermatology Specialist at AEON  
CEO & Medical Director of Doctor Lica Clinic in Moldova  
Co-Founder of Longevity Code Course

- 11:30 AM - 12:00 PM ○ Hair Regeneration: Restoring Follicle-Fibroblast Signaling for Youthful Renewal
- DR MOHAMMAD MAZHAR HUSSAIN  
Consultant Family Medicine, Functional Medicine  
Physician & Hair Restoration Specialist at AEON Clinic  
Founder, Revivo Health
- 
- 12:00 PM - 12:30 PM ○ Regenerative Reconstruction: Biologic Scaffolds, Fat-Derived MSCs & Exosome-Enhanced Healing in Post-Surgical Aesthetics
- DR FRANCISCO DE MELO  
Senior Consultant Plastic Surgeon and Regenerative & Aesthetic Surgery Expert at AEON Clinic and Aesthetic International
- 
- 12:30 PM - 13:00 PM ○ Scar Revision 2.0: Regenerative Approaches to Fibrosis, Vascularity & Collagen Remodeling
- DR MAZEN AL SAMARRAE  
Specialist General Surgeon & Regenerative & Aesthetic Medicine Expert at AEON Clinic
- 
- 13:00 PM - 13:15 PM ○ **QUESTIONS & ANSWERS**
- 13:15 PM - 14:15 PM ○ **NETWORKING LUNCH**
- THEME: BUILDING THE LONGEVITY ECONOMY**
- 14:15 PM - 14:45 PM ○ **KEYNOTE**
- Longevity Destinations: Positioning the UAE as a Global Hub for longevity Medicine and Medical Tourism
- MR KYM BARTER  
Senior Vice President and General Manager at Atlantis Resorts
- 
- 14:45 PM - 15:10 PM ○ Marketing in the Age of AI & Regulation: Ethical communication under evolving global guidelines
- TBC
- 
- 15:10 PM - 15:30 PM ○ Investment Readiness for Regenerative Startups- Building investor confidence and global market access.
- TINA WOODS  
Founder & CEO, Collider Health  
Founder & CEO, Business for Health  
Executive Director, International Institute of Longevity
- 
- 15:30 PM - 16:00 PM ○ Biobanking 3.0: The Future of Personalized Regeneration, Cellular Preservation & Precision Longevity
- TBC
- 
- 16:00 PM - 16:45 PM ○ **CAPSTONE PANEL**
- Clinics of 2030: Expert projections for how longevity clinics will operate by 2030.
- MODERATOR: DR JAFFER KHAN  
PANELLISTS: PROFESSOR DOMINIK THOR; TINA WOODS; DR EVELYNE BISCHOFF; DR BRIAN KENENDY
- 
- 16:45 PM - 17:00 PM ○ **CLOSING ADDRESS**
- Healthspan Is the New Infrastructure- Longevity as a foundation for future healthcare.
- DR JAFFER KHAN  
Founder & Executive Chairman at The AEON Clinic  
Founder & CEO at Aesthetic International
- 
- TRACK A** ○ **THEME: A GCLS TRANSLATIONAL LONGEVITY SCIENCE FOR CLINICIANS WORKSHOP**
- 14:15 PM - 17:00 PM
- 25% tuition reduction on GCLS Certified Longevity Physician Programme should attendees wish to enroll in the full course. Guidelines and Case Studies from the GCLS Certified Longevity Physician Programme
- 
- TRACK B** ○ **THEME: MUSCULOSKELETAL DIAGNOSTIC ULTRASOUND WORKSHOP- KNEE JOINT ULTRASOUND**
- 14:15 PM - 17:00 PM
- 
- 17:00 PM - 17:30 PM ○ **COFFEE & EXHIBITION**

TRACK A

## GCLS TRANSLATIONAL LONGEVITY SCIENCE FOR CLINICIANS WORKSHOP

Moderators: Dr. Andrea Gartenbach (Director of Medical Education Department, GCLS) & Dr. Dominik Thor (President of GCLS)

### AN ADVANCED PRACTITIONER WORKSHOP

This specialized workshop, delivered in collaboration with the Geneva College of Longevity Science (GCLS), offers a structured and evidence-driven immersion into the clinical foundations, diagnostics, and applied practice of modern longevity medicine. Designed for physicians and advanced practitioners, the programme provides a rigorous translational bridge between cutting-edge longevity science and real-world clinical implementation.

#### Foundations of Longevity Medicine

An evidence-based introduction to the central physiological systems and clinical domains that define contemporary longevity medicine. This session establishes a clear conceptual framework for practitioners, outlining the learning objectives, competency pillars, and clinical scope of practice required for responsible and impactful longevity care.

#### The Swiss Framework for Healthy Longevity Medicine Clinics

A detailed exploration of the landmark publication "Towards Responsible Longevity Medicine: Swiss Framework for Healthy Longevity Medicine Clinics" (Taylor & Francis). Participants will gain key insights into the ethical, structural, and operational principles proposed by the Swiss working group, and learn how these guidelines translate into real-world clinical governance, patient safety, and evidence-based longevity practice.

#### Diagnostics Protocol Deep Dive

A comprehensive review of the biomarker domains and functional assessments essential for risk stratification and personalized intervention planning. This segment covers:

- Multi-system biomarker panels
- Interpretation strategies and clinical thresholds
- Biological age assessment and phenotypic profiling
- Functional performance testing
- Decision-making pathways for individualized programs

Participants will gain clarity on practical application, sequencing, and integration of diagnostics in a longevity-focused clinical workflow.

#### Applied Clinical Cases: From Evaluation to Intervention

Through interactive case-based learning, clinicians will examine real-world patient scenarios that demonstrate:

- Translational use of diagnostic data
- Personalized multimodal intervention planning
- Longevity therapeutics selection and sequencing
- Monitoring, outcome tracking, and longitudinal optimization

This session emphasizes practical reasoning, clinical nuance, and evidence-based management strategies that can be directly incorporated into daily practice.

#### Workshop Impact

Participants will leave with:

- A structured clinical framework informed by GCLS standards
- Enhanced competency in longevity diagnostics and risk assessment
- Practical tools for designing personalized longevity treatment plans
- Ethical and governance principles aligned with international best practice
- Greater confidence in integrating longevity science into routine clinical workflows

TRACK B

## MUSCULOSKELETAL DIAGNOSTIC ULTRASOUND- KNEE JOINT ULTRASOUND - HANDS-ON WORKSHOP

Ultrasound Scanning Basics and Diagnostic Sonographic Evaluation of the Knee Joint

Lead Instructor: Dr. Rozina Badal Munir – Ultrasound Specialist, Kaiser Permanente WLA, CA, USA |  
Global Development Director ABRM/ASRM

This hands-on session is designed to build practical competency in MSK ultrasound with a focus on real-time scanning of the knee joint. Participants will rotate through structured scanning stations and learn standardized protocols used in orthopedic, sports medicine, and regenerative practice.

**The goal:** To ensure every participant can perform a complete diagnostic knee ultrasound, understand pathology patterns, and apply imaging skills directly to guided regenerative treatments.

### Introduction & Workshop Structure

Instructor: Dr. Rozina Badal Munir

Content: Importance of ultrasound as a first-line imaging tool in MSK and regenerative medicine

Overview of workshop flow: stations, live scans, supervised practice

Learning objectives:

- Master basic ultrasound controls and probe handling
- Perform a systematic knee scan
- Identify common pathology
- Practice guidance skills for biologic injections

14:15 PM - 15:00 PM

### Presentation/ Foundational Training Segment

Topic: Ultrasound Machine Basics & Image Optimization

Hands-On Components:

- Probe selection: linear probe, MHz settings
- Adjusting depth, gain, focus, and Doppler
- Eliminating artifacts such as anisotropy
- Ergonomic positioning for accuracy and patient comfort
- Sono anatomy (MSK)
- Pathology

15:00 PM - 15:45 PM

### Anterior Knee Scanning Protocol

Live Demo + Hands-On Rotation

Instructor Demonstration → Participant Practice

Structures Practiced:

- Quadriceps tendon
- Suprapatellar recess (effusion, synovitis)
- Articular cartilage of femoral trochlea
- Patellar tendon (proximal, mid, distal)
- Infrapatellar fat pad

Clinical Focus:

- Sonographic patterns of tendinopathy, partial tears
- Identifying bursitis and joint effusion

15:45 PM - 16:15 PM

### Medial & Lateral Knee Evaluation

Hands-On: Ligaments and Meniscus Assessment

Participants scan:

- MCL & LCL (static + dynamic stress maneuvers)
- Medial and lateral meniscus
- Iliotibial band
- Lateral recess and popliteus region

Diagnostic Goal:

- Recognize extrusion, capsular separation, cysts, fiber disruption

16:15 PM - 17:00 PM

### Posterior Knee & Popliteal Fossa

Structures Covered:

- Baker's cyst (identification)
- Popliteal vessels (safety mapping)
- Posterior horn meniscus
- Hamstring tendons and gastrocnemius-semimembranosus interface

Clinical Application:

- Differentiating cystic vs. solid lesions
- Doppler for pre-injection safety




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