



# NEXT-GENERATION MEDICINE ————— 2025

BRIDGING SCIENCE TO CLINICAL PRACTICE

## Masterclass Agenda

DATES: 23–25 APRIL 2025

LOCATION: ATLANTIS THE PALM, DUBAI, UAE

DAY 1  
23RD APRIL 2025

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# Fundamentals of Next Generation Medicine

9:00 AM – 9:45 AM

## OPENING CEREMONY

- Introduction by MC
- Inauguration ceremony
- Welcome Speech by Chairperson (Dr Jaffer Khan) and Co-Chair (Prof. Nayernia/ Prof. Dominik)

9:45 AM – 10:30 AM

## KEYNOTE SESSION

### Introduction to Next-Generation Medicine Masterclass

**PROF. KARIM NAYERNIA**

Biomedical Scientist and a World Expert on Stem Cell Biology and Personalized Medicine,  
Director and Founder of the International Center for Personalized Medicine (P7 MEDICINE), Germany  
European Cell Medicine Institute (ECMI)  
European Center for Personalized Medicine (ECPM), Dusseldorf, Germany  
P7 MEDICINE Gulf, Dubai, UAE

### The Future of Precision Medicine: Bringing Geroscience to the Clinic

**DAVID BARZILAI, MD, PHD, MBA, MS, DIPABLM**

Founder and CEO, Barzilai Longevity Consulting (Healthspan Coaching LLC)  
Faculty Member and Trustee at the Geneva College of Longevity Science  
Diplomat of the American Board of Lifestyle Medicine

10:30 AM – 11:00 AM

## COFFEE & TEA BREAK & EXHIBITION

11:00 AM – 1:00PM

## SESSION 1- CHAIR: PROF. DOMINIK THOR AND DR VAHDANI THEME: REGENERATIVE MEDICINE AND ADVANCED THERAPEUTICS

### Foundations of Next-Generation Medicine: Pioneering Precision and Innovation in Healthcare

**PROF. KARIM NAYERNIA**

Biomedical Scientist and a World Expert on Stem Cell Biology and Personalized Medicine,  
Director and Founder of the International Center for Personalized Medicine (P7 MEDICINE), Germany  
European Cell Medicine Institute (ECMI)  
European Center for Personalized Medicine (ECPM), Dusseldorf, Germany  
P7 MEDICINE Gulf, Dubai, UAE

### Gene Editing and CRISPR Technology: Transforming Medicine

**DR TOMASZ CHELMICKI**

Senior Scientist & Research Project Leader at Roche  
Postdoctoral Researcher at Institute Curie  
PhD in Chromatin Biology and Epigenetics

### Cell-Based Therapies: Advancements in Stem Cell and CAR-T Applications

**PROFESSOR JURGEN HESCHELER**

Chairman and Director of the Institute of Neurophysiology at the University at Zu Koln  
Founding President of the German Society for Stem Cell Research

### Objectivity in Aesthetic and Regenerative Medicine: Integrative Applications of Stem Cells and Exosomes in Local and Intravenous Therapies

**DR WISSAM ADADA**

Chairman of ProtoClinic ,  
President of GRA MENA,  
American Board Certified in Regenerative Medicine  
MBBS and MSc in Aesthetic Medicine (Plastic Surgery Dept.)  
International Fellowship in Dermatology (Harvard University)  
Fellowships in Hair Transplant Surgery & Stem Cell & Regenerative Medicine

1:00 PM – 2:00 PM

○ **LUNCH BREAK**

2:00 PM – 4:00 PM

○ **SESSION 2- CHAIR: PROF. KARIM NAYERNIA AND DR VAHDANI  
THEME: PRECISION MEDICINE, FUNCTIONAL & SYSTEMIC MEDICINE,  
PREDICTIVE MEDICINE & PREVENTIVE MEDICINE**

**Precision Medicine: AI, Genomics, and Personalized Care**

**DR. MARYAM ESLAMI**

Dean of International Faculty, Tehran Medical Sciences, IAUTMS  
President of Applied Biotechnology Research Center, IAUTMS  
MD, PhD Genetics  
Fellowship of Regenerative Medicine from Harvard Medical School

**Cardiovascular and Metabolic Rejuvenation**

**PROFESSOR UWE NIXDROFF**

Founder of European Prevention Center (EPC)  
Internist, Cardiologist, and Sports Medicine Specialist  
Renowned for his contributions to Preventive Cardiology

**Revolutionizing Healthcare: The Role of Peptides in Next-Generation Medicine**

**DR BISHOY HANNA BENYAMIN SAWIRIS**

Global Director of Medical Affairs and Business Development  
Fusion Apothecary

**Detox 2.0: The Nexus of Longevity, Metabolic Health, and Next-Generation  
Medicine**

**DR MARTIN KRUPITZA**

Founder of Biocannovea Medical Longevity Clinics  
Expert of Functional Medicine  
Nutritionist/Food Scientist

**Complementary and Alternative Medicine: Integrating Tradition with  
Innovation**

**DR. IMANE FARHAT**

Naturopathic Doctor at AEON Clinic  
Member of American Association of Naturopathic Physicians  
Member of Canadian Association of Naturopathic Doctors

4:00 PM – 4:30 PM

○ **COFFEE & TEA BREAK & EXHIBITION**

4:30PM – 5:15 PM

○ **PANEL DISCUSSION: THE CONVERGENCE OF AESTHETICS AND  
REGENERATIVE MEDICINE: REDEFINING BEAUTY AND HEALING**

**MODERATOR: DR JAFFER KHAN**

**PANELLISTS: DR DEMELO; DR LICA; DR WISSAM ADADA; DR MAZEN AL SAMARRAE**

**Scope:**

This panel explores the synergy between aesthetic innovations and regenerative therapies, focusing on precision treatments like bespoke injectables, face threads, ozone therapy, and photobiomodulation. Experts will discuss how these science-based approaches enhance beauty, healing, and longevity, bridging the gap between cosmetic outcomes and functional restoration.

**Objective:**

To redefine holistic beauty and health through evidence-based, integrated treatments

5:15 PM – 5:30PM

○ **CLOSING REMARKS**

DAY 2  
24TH APRIL 2025

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# Healthy Longevity Medicine

9:00 AM – 9:15 AM



## OPENING REMARKS

- Overview of Day 2 topics

9:15 AM – 10:30 AM



## KEYNOTE SESSION

### The Longevity Revolution

PROF. BRIAN KENNEDY

Distinguished Professor, Departments of Biochemistry and Physiology and Programme Director, Healthy Longevity Translational Research Programme at Yong Loo Lin School of Medicine, National University of Singapore

Director at Centre for Healthy Longevity, National University Health System, Singapore

10:30 AM – 11:00 AM



## COFFEE & TEA BREAK & EXHIBITION

11:00 AM – 1:00 PM



## SESSION 1 CHAIR- DR. MISHAT SHEHATA AND PROF. NIXDORFF THEME: LONGEVITY AND AGE MANAGEMENT, LIFESTYLE MEDICINE, NON-INVASIVE THERAPEUTICS

### Rapalogs and Beyond: Exploring Off-Label Therapeutics for Extending Healthspan

DR. DAVID BARZILAI

Founder and CEO, Barzilai Longevity Consulting (Healthspan Coaching LLC)  
Faculty Member and Trustee at the Geneva College of Longevity Science  
Diplomat of the American Board of Lifestyle Medicine

### Optimizing Longevity Through Advanced Physical Therapies- A Practical Guide for Longevity Clinics

DR. DOMINIK THOR

President & Professor of Pharmacy Geneva College of Longevity Science  
Visiting Professor at University of Medicine and Pharmacy" Carol Davila"  
CEO of a Biotech Company

### Genomic Instability and Genotoxicity as Indicators of Assessment in Longevity

DR. GIUSEPPE MUCCI

Founder and CEO of Bioscience Institute (RSM), Bioscience Clinic (Middle East) and Bioscience Genomics (Italy)

### Expanded Mesenchymal Stem Cells as Gold Standard Therapy for Longevity

DR. GIUSEPPE MARCHESANI

Chief Technology Officer, Bioscience Institute  
Clinical Bioscientist; Branch Manager & Quality Officer, Bioscience Clinic (Middle East)

### Personalized Approaches to Longevity: Multi Omics and Personalized Data-Driven Strategies for Longevity

PROFESSOR BRIAN KENNEDY

Distinguished Professor, Departments of Biochemistry and Physiology and Programme Director, Healthy Longevity Translational Research Programme at Yong Loo Lin School of Medicine, National University of Singapore  
Director at Centre for Healthy Longevity, National University Health System, Singapore

1:00 PM – 2:00 PM



## LUNCH BREAK

2:00 PM – 4:00 PM

**SESSION 2 CHAIR- DR DAVID BARZILAI AND DR SHAIKHA AL MAZROUEI**  
**THEME: LONGEVITY SCIENCE, CLINICAL GUIDELINES AND STANDARDS**  
**FOR LONGEVITY AND REGENERATIVE MEDICINE**

**Mitochondrial and Orthomolecular medicine**

**DR. MICHAEL 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

**The Imperative of Longevity Science: Defining the Role of Longevity in Physicians in Modern Healthcare**

**PROFESSOR DOMINIK THOR**

President & Professor of Pharmacy Geneva College of Longevity Science  
Visiting Professor at University of Medicine and Pharmacy "Carol Davila"  
CEO of a Biotech Company

**Healthy Longevity Medicine-Clinical Guidelines and Standards as We Are Shaping the New Discipline**

**PROFESSOR EVELYNE BISCHOF**

Healthy Longevity Medicine Society, Co-founder and President  
Internal Medicine and Medical Oncology Specialist  
Head of the Scientific Board of Longevity Science Foundation  
Co-Founder and Leader Longevity Education Hub  
Professor of Medicine at Shanghai University of Medicine and Health Sciences  
Medical Director Sheba Longevity Department at Sheba Medical Center

**Longevity Clinics of the Future: UAE's Strategic Position Leading Global Standards**

**DR NICOLE SIROTIN**

CEO at the Institute for Healthier Living Abu Dhabi  
Primary Care Internal Medicine Specialist in California  
Research Fellowship in Global Public Health  
Council Secretary of the Healthy Longevity Medicine Society

4:00 PM – 4:30 PM

**COFFEE & TEA BREAK & EXHIBITION**

4:30PM – 5:15 PM

**PANEL DISCUSSION: THE FUTURE OF HEALTHY LONGEVITY: SCIENCE, INNOVATION, AND BEYOND**

**MODERATOR: PROF. DOMINIK THOR**

**PANELLISTS: EVELYNE BISCHOF; DR NICOLE SIROTIN, PROF. BRIAN KENNEDY; PROF. DAVID BARZILAI; DR MISHKAT SHEHATA**

**Scope:**

This panel will explore the latest advancements driving healthy longevity, including precision medicine, regenerative therapies, and emerging technologies. Experts will discuss strategies to extend healthspan, delay aging, and combat age-related diseases through evidence-based innovations. The session will highlight the importance of personalized interventions, lifestyle optimization, and cutting-edge tools in enhancing longevity and overall quality of life.

**Objective:**

To provide insights into the future of healthy longevity, empowering participants to integrate science-based strategies and innovations into clinical practice and personal health optimization.

5:15 PM – 5:30PM

**CLOSING REMARKS**

DAY 3  
25TH APRIL 2025

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# Emerging Therapies for Neurodegeneration and Autoimmune Disorders



9:00 AM – 9:15 AM



## OPENING REMARKS

- Overview of Day 3 topics

9:45 AM – 10:30 AM



## KEYNOTE SESSION

### Advancing Regenerative Medicine: Emerging Trends and Innovations in Modern Healthcare

DR SHAIKHA AL MAZROUEI

PhD, King's College London

MSC, UAEU, in the Genetic Basis of Familial Hypercholesterolemia

Member of International Stem Cells Research Association (ISCCR)

Member of International Society of Cell and Gene Therapy

Member of the International Cryobiology Society

Head of UAE Stem Cell Group

Lead Researcher with the Biotechnology Research Centre at Abu Dhabi Technology Innovation Institute

10:30 AM – 11:00 AM



## COFFEE & TEA BREAK & EXHIBITION

11:00 AM – 13:00 PM



## SESSION 1- CHAIR: DR SALMAN GILANI AND PROF. BRIAN KENNEDY THEME: AGE MANAGEMENT, FUNCTIONAL & SYSTEMIC MEDICINE, REGENERATIVE MEDICINE, ADVANCED MEDICAL TECHNOLOGIES

### Biomarkers of Aging in the Aspects of Neurodegeneration and Immunology

PROFESSOR EVELYNE BISCHOF

Co-founder and President Healthy Longevity Medicine Society

Internal Medicine and Medical Oncology Specialist

Head of the Scientific Board of Longevity Science Foundation

Professor of Medicine at Shanghai University of Medicine and Health Sciences

Medical Director Sheba Longevity Department at Sheba Medical Center

### The Role of the Microbiome in Immune and Neurological Health

DR. ALLA ZAENTC

Certified Functional Medicine Specialist

Infectious Disease Specialist

Diplomat of the American Board of Regenerative and Anti-Aging Medicine

### Emerging Therapies for Neurodegenerative and Autoimmune Disorders

DR. AMIRREZA BOROUMAND

Specialist Neurologist and Spine Diseases

Fellowships in Psychosomatic Medicine and Psychotherapy from the University of Freiburg, Germany, and in Regenerative Medicine and Cell Therapy in Neurological Diseases from the University of Münster, Germany

Clinical Director of Neurology, International Center for Personalized Medicine (ICPM) in Germany and Parnia Stem Cell Institute's Department of Neurology and Neuroscience in Iran

### Neuro-Regeneration and Anti-Aging- Novel Clinical Protocol Guidelines

PROFESSOR SEAN NG

Founder and Consultant, Ming Medical in Malaysia

Immunotherapy & Regenerative Medicine

1:00 PM – 2:00 PM



## LUNCH BREAK

2:00 PM – 4:00 PM

**SESSION 2- CHAIR: PROF. EVELYNE BISCHOFF AND DR FATIMA AL JAMALI**  
**THEME: REGENERATIVE MEDICINE, ADVANCED THERAPEUTICS**

**Organoids in Neurological and Psychological Therapeutics Research**

**PROF. ZEYNAB (MITRA) NAYERNIA**

Translational Neuroscientist  
Scientist at UCLA and Roche  
CEO of P7Swiss

**The Intersection of Neuroimmune Health and Regenerative Therapies**

**DR. AMIRREZA BOROUMAND**

Specialist Neurologist and Spine Diseases  
Fellowships in Psychosomatic Medicine and Psychotherapy from the University of Freiburg, Germany,  
and in Regenerative Medicine and Cell Therapy in Neurological Diseases from the University of Münster,  
Germany.  
Clinical Director of Neurology, International Center for Personalized Medicine (ICPM) in Germany  
and Parnia Stem Cell Institute's Department of Neurology and Neuroscience in Iran

**Regenerative Medicine in Neuro-Developmental Disorders**

**DR. SALMAN GILANI**

Stem Cell Consultant  
Diplomat in both the American Academy of Anti-aging Medicine and the American Board of  
Regenerative Medicine  
Medical Affairs Director at the AEON Clinic

**Advancements in the Field of Regenerative Medicine- Standards, Education  
and Certification**

**DR. ROZINA BADAL**

Global Development Director for the American Board of Regenerative Medicine and the American  
Society of Regenerative Medicine

4:00 PM – 4:30 PM

**COFFEE & TEA BREAK & EXHIBITION**

4:30PM – 5:15 PM

**PANEL DISCUSSION: REJUVENATION AND REGENERATION: A NEW  
FRONTIER FOR AUTOIMMUNITY AND NEURODEGENERATION**

**MODERATOR: DR SABA HABIBOLLAH**

**PANELLISTS: DR BOROUMAND; PROF. SEAN NG; DR MANSOURI ; DR ROZINA BADAL;  
DR SHAIKHA AL MAZROUEI**

**Scope:**

This panel will explore the role of regenerative and rejuvenation therapies in addressing autoimmune disorders and neurodegenerative diseases. Experts will discuss cutting-edge approaches such as cellular therapies, ozone therapy, photobiomodulation, and precision medicine. The session will highlight how these therapies target inflammation, promote cellular repair, and support neuro-regeneration to improve patient outcomes.



**Objective:**

To examine the potential of regenerative medicine in managing autoimmunity and neurodegeneration, fostering a deeper understanding of science-driven strategies to restore function, reduce disease progression, and enhance quality of life.

5:15 PM – 5:30PM

**CLOSING REMARKS**



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