

4th Int'l (West Asia & North Africa) WANA Congress

As a sub-directory of
Royan International Twin Congress



Final Scientific Program

3-4 May 2025
Kish Island, IRAN

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Stem Cell Science in Regenerative Medicine



- Organoid and Disease Modeling
- Novel Approach in Cancer Biomedicine
- Bioengineering in Regenerative Medicine
- Cell and Gene Therapy in Regenerative Medicine
- AI and Computational Biology in Regenerative Medicine



Tissue
Regeneration
Corporation

بهراد
روانی

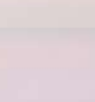


ریاست جمهوری
معاونت علمی، فناوری و اقتصاد دانش بنیان

ACECR



سازمان توسعه همکاری های
علمی و فناوریانه بین المللی



**Opening Ceremony
(In Persian)**

07:30 - 09:30

On-site Registration

07:30 - 08:00

**Holy Quran & Iranian National Anthem &
Introduction to the WANA Network & Congress**

08:00 - 08:30



Massoud Vosough

08:30 - 08:45

Chairperson of the 4th International WANA Congress



Alireza Monadi

08:45 - 08:55

Chairperson of the Education, Research, and Technology
Committee of the Islamic Parliament of Iran



Mohammad Jafar Kabiri

08:55 - 09:05

President of Kish Free Zone Organization



Abdolhossein Shahverdi

09:05 - 09:15

President of Royan Institute

4th WANA Congress Sponsor Recognition

09:15 - 09:25

09:30 - 11:00

Chairpersons



**Mohammad Ali
Sadighi Gilani**



**Massoud
Vosough**



**Abdolhossein
Shahverdi**



**Nasrin
Lotfibakhshaiesh**

Keynote Lectures



Mustapha Najimi

09:30 - 10:00

**Cell Therapy for Liver Diseases: Twenty Years from Bench
Discovery to Drug Development in Life Saving Indications**



Hossein Baharvand

10:00 - 10:25

**Generation and Transplantation of Human Pluripotent
Stem Cell-derived Dopaminergic Progenitor Cells under
GMP Compliance in Animal Models**



Reza Rahbarghazi

10:25 - 10:50

**Tumorioids Are Novel Biological Platforms for the
Evaluation of Tumor Cell Activities**



Q & A (Panel Discussion)

10:50 - 11:00

Break

11:00 - 11:20

Chairpersons



**Hossein
 Baharvand**



**Balal
 Khalilzadeh**



**Sulaiman
 Alhashmi**



**Firouzeh
 Chaffari**



Negar Azarpira

11:30 - 11:45

**Extracellular Vesicles: Microscopic Messengers
 with a Wide Range of Applications**



Oula El Atat

11:50 - 12:05

**Ramping Up the Volume: How Stem Cell-mediated Hearing
 Regeneration is Becoming A Reality**



Armin Attar

12:10 - 12:25

Clinical Evidences of Cell Therapy for Acute Myocardial Infarction



Asma Gul

12:30 - 12:45

**Dynamic Expression of c-MET and HGF in Liver Injury:
 Implications for Cancer Development and Age-Dependent Responses**

Q & A (Panel Discussion)

12:50 - 13:00

Pray & Lunch

13:00 - 14:00

Saturday ←
3rd May, 2025

14:00 - 15:40

Chairpersons



**Behzad
 Moshiri**



**Amir
 Amiri-Yekta**



**Parvaneh
 Afsharian**



**Mohammad Hossein
 Nasr-Esfahani**



Mohammad Ali Sadighi Gilani

14:00 - 14:15

Advanced Technologies in Male Fertility, National Update



Firouzeh Ghaffari

14:20 - 14:35

**National Address for Female Fertility
 Preservation in Cancer Research**



Naser Aghdami

14:40 - 14:55

Stem Cell in Premature Ovarian Failure



Elham Vojoudi

15:00 - 15:15

**Restoring Fertility: The Role of Cell Therapy in
 Addressing Premature Ovarian Failure**



Salem Shalaweh

15:20 - 15:30

Nano-Enabled Molecular Sorting for Male Infertility

Q & A (Panel Discussion)

15:30 - 15:40

Saturday ←
3rd May, 2025

15:40 - 16:50

Chairpersons



**Naser
Aghdami**



**Ali
Moradi**



**Hengameh
Dortaj**



**Hakan
Darici**



Behzad Moshiri

15:40 - 15:55

Review of Drug Discovery using AI methods



Mehran Maghsoudloo

16:00 - 16:15

Documenting Science and Collaboration in the New AI Age



Amir Amiri-Yekta

16:20 - 16:35

**Mapping the Future: High-Throughput Sequencing
 at the Core of Precision Medicine**



Q & A (Panel Discussion)

16:40 - 16:50

Scientific Board Meeting for WANA Network

19:00 - 20:00

Official Dinner for Scientific Board Members

20:00 - 22:00

08:45 - 10:15

Chairpersons



**Reza
 Rahbarghazi**



**Massoud
 Vosough**



**Negar
 Azarpira**



**Yahya
 Kiwan**



Fatemeh Rahbarizadeh

CAR T-Cell Therapy

08:45 - 09:00



Sulaiman Alhashmi

**Mesenchymal Stem Cell-Laden 3D-Bioprinted
 Alginate/GelMa Scaffolds**

09:05 - 09:20



Hengameh Dortaj

**Control of Angiogenesis in Cartilage Disease Using
 Tissue Engineering: A New Approach to Therapy**

09:25 - 09:40



Fatima Abbas al Jamali

**Molecular Cues of the Efficacy of Allogeneic MSCs and
 Their Secretome in the Treatment of Multiple Sclerosis**

09:45 - 10:00

Q & A (Panel Discussion)

10:05 - 10:15

Pray & Lunch

10:20 - 10:50

11:00 - 12:30

Chairpersons



**Sükrü
 Tüzmen**



**Mustapha
 Najimi**



**Fatemeh
 Rahbarizadeh**



**Asma
 Gul**



Yahya Kiwan

11:00 - 11:15

**Stem Cells Therapy in Chronic Ischemic
 Heart Disease, Hype or Hope**



Nasrin Lotfibakhshaiesh

11:20 - 11:35

Bioprinters in Regenerative Medicine



Hakan Darici

11:40 - 11:55

Genetically Modified Stem Cell Exosomes



Balal Khalilzadeh

12:00 - 12:15

**Cancer Stem Cell Immunophenotyping Using Highly Sensitive
 Biosensing Approach Compared to Conventional Modalities**

Q & A (Panel Discussion)

12:20 - 12:30

Pray & Lunch

12:30 - 13:30

Sunday

4th May, 2025

Chairpersons



**Behzad
 Moshiri**



**Massoud
 Vosough**



**Oula
 El Atat**



**Balal
 Khalilzadeh**



Şükrü Tüzmen

13:40 - 13:55

**Molecular Profiling of a Potential Drug Target
 for Disease Treatment**



Ali Moradi

14:00 - 14:15

ProScaffolds: Fusion of Prostheses & Scaffolds



Fatemeh Pishehvarzad

14:20 - 14:35

**Marine Biomedicine and Marine Biotechnology in
 Regenerative Medicine**

Next Generation Scientists



Havva Özgen Eyüpoğlu

14:40 - 14:50

**Nanocarriers with a Mission: Extracellular Vesicles
 in Cancer Treatment Strategies**



Leila Rashki Chaleno

14:50 - 15:00

**Preservation of Fertility in Prepubertal Boys Advances
 in Spermatogonia Stem Cells Technology**

Closing Ceremony
(In Persian)

15:15 - 15:50



Rouhollah Fathi

Royan Education Deputy

15:15 - 15:50

Report of WANA Scientific Network (WSN)



سازمان توسعه همکاری های
علمی و فناوریانه بین المللی



WANA



SCIENTIFIC NETWORK

The purpose of the WANA Scientific Network (WSN) is to provide a powerful scientific atmosphere for setting up mutual educational events and sharing basic studies and clinical researches and trials in the West Asia and North Africa (WANA) region as a

«vigorous science pole»

around the world in the fields of Reproduction and infertility treatment, Stem cells biology and technology and Biotechnology.

www.wanascientificnetwork.com