



25th Royan International Congress

(28-30 August 2024)

- 25th International Congress on Reproductive Biomedicine
 - (28-30 August 2024)
- 20th International Congress on Stem Cell Biology & Technology
 - (28-30 August 2024)

Stem Cell Biology & Technology (28-30 August 2024) and the Congress on *Reproductive Biomedicine (28-30 August 2024)* was held in Shahid Beheshti University Abu Rayhan Hall. A collection of more than 1600 International and Iranian participants took part in the congress.



Congress Chairpersons

25th
Congress on
**Reproductive
Biomedicine**

20th
Congress on
**Stem Cell Biology
& Technology**



Dr. Maryam Hafezi

**Chairperson of 20th Royan Congress on Stem Cell
Biology & Technology**



Dr. Leila Taghiyar

**Chairperson of 25th Royan International
Congress on Reproductive Biomedicine**



Keynote Lecturer

25 international invited speakers
from **17** countries:

*Germany, Austria, Canada, UK, USA, Italy,
Belgium, Spain, China, Switzerland, Qatar,
Turkey, Netherlands, India, Sweden, Russia,
Japan*



Prof. Thomas Braun
(Germany)



Prof. Mohammad
Hossein Nasr Esfahani



Congress Special Guests



Dr. Ehsan Arefian,
Secretary of Council for the Development
of Regenerative Medicine Technologies
and Stem Cells

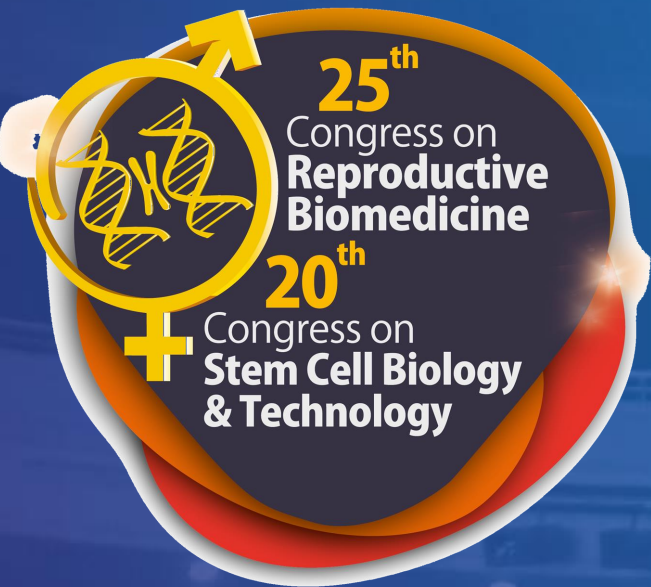


Prof. Mohammad Ebrahim Parsanezhad,
Pioneer in Infertility Treatment,
Head of the First Iranian Infertility Center



Congress Contests





20th Royan Congress on Stem Cell Biology & Technology (Congress sessions)

Session:
Stem Cells and Molecular
Medicine

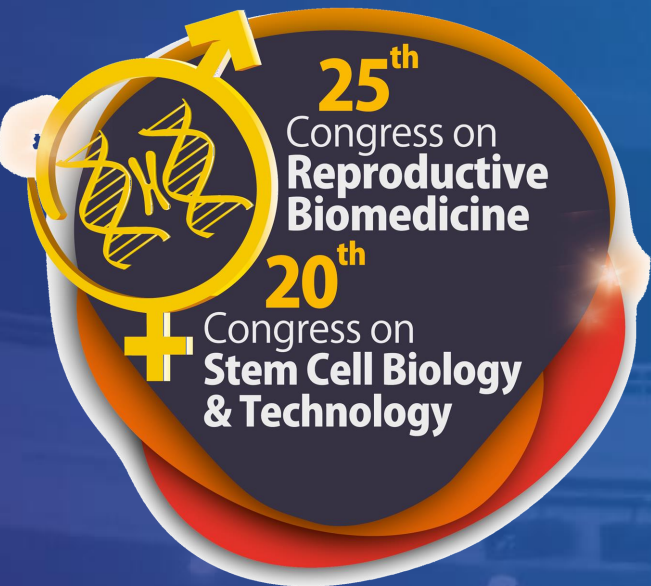
Dr. Sharif Moradi



Session:
Manufacturing of Advanced
Therapy Medicinal Products
(ATMPs)

Dr. Fereidon Mahboudi





20th Royan Congress on Stem Cell Biology & Technology (Congress sessions)

Session:
In Vitro 3D Models for
Cardiovascular Research

Dr. Sara Pahlevan



Session:
Revolutionary Eye and Vision
Research

Dr. Davood Bashash





20th Royan Congress on Stem Cell Biology & Technology (Congress sessions)

Session:
How Close Are We to Bedside
for Bone and
Cartilage Tissue Regeneration?

Dr. Samaneh Hosseini



Session:
Stem Cell Bioengineering

Dr. Sasan Jalili



25th
Congress on
Reproductive
Biomedicine

20th
Congress on
Stem Cell Biology
& Technology

International Invited Speakers

20th Royan International Congress on Stem Cell Biology & Technology



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International Twin Congress
28-30 August 2024, Tehran - Iran

Panel
Stem Cell Bioengineering



Omid
Mashinchiyan

August 29, 2024
08:30 - 08:40, Hall 2

Title:
3D Intestinal Organoid Platform to
Test Epithelial Recovery Potential
of Lead Bioactives

Affiliation:
Department of Nestlé Institute of Health
Sciences, Lausanne, Switzerland



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Panel
Stem Cells and Molecular
Medicine



Fuchou
Tang

August 28, 2024
14:25 - 14:45, Hall 1

Title:
Single-Cell Omics Sequencing
Technologies: The Third Generation

Affiliation:
Professor at BIOPIC, College of Life
Sciences, Peking University, Associate
Director of Beijing Advanced Innovation
Center for Genomics,
China



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Panel
Stem Cells and Molecular
Medicine



Vincent
Pasque

August 28, 2024
14:50 - 15:10, Hall 1

Title:
Stem Cell-Based Human Embryo
Models

Affiliation:
Group Leader,
Associate Professor of Stem Cell and
Developmental Biology Laboratory of Cellular
Reprogramming and Epigenetic Regulation,
Department of Development and Regeneration,
University of Leuven Campus,
Belgium



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Panel
Revolutionary Eye and Vision
Research



Zi-Bing
Jin

August 29, 2024
14:25 - 14:45, Hall 2

Title:
Human Retinal Organoids for
Disease Modeling

Affiliation:
Vice President, Department of Beijing
Institute of Ophthalmology, Beijing
Tongren Eye Center, Beijing Tongren
Hospital, China



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Panel
In Vitro 3D Models for
Cardiovascular Research



Huseyin
Cagatay Yalcin

August 29, 2024
11:50 - 12:10, Hall 2

Title:
Computational and Experimental
Cardiac Flow Assessment In Vitro,
In Vivo, Clinical

Affiliation:
Principal Investigator and Research
Associate Professor Biomedical Research
Center, Qatar University,
Qatar



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28-30 August 2024, Tehran - Iran

Panel
In Vitro 3D Models for
Cardiovascular Research



Kai
Wang

August 29, 2024
11:25 - 11:45, Hall 2

Title:
IpsCs-Derived Venous Endothelial
Cells for Modeling Vascular
Malformation and Drug Discovery

Affiliation:
Assistant Professor, Department of
Physiology and Pathophysiology, Peking
University, China



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Panel
In Vitro 3D Models for
Cardiovascular Research



Kaveh
Roshanbinfar

August 29, 2024
11:00 - 11:20, Hall 2

Title:
Electrically Conductive Biohybrid
Hydrogels for Maturing
HipsC-Derived Cardiomyocytes and
Protecting The MI-Heart against
Arrhythmia

Affiliation:
Postdoctoral Researcher, University
Hospital Erlangen University Hospital
Erlangen, Project Leader, SFB TRR225
Biofabrication Consortium,
Germany

25th
Congress on
Reproductive
Biomedicine

20th
Congress on
Stem Cell Biology
& Technology

International Invited Speakers

20th Royan International Congress on Stem Cell Biology & Technology


International Twin Congress
28-30 August 2024, Tehran - Iran

**Panel**
Cancer & Immune Therapy



Wilfred Germeraad

August 29, 2024
16:30 - 16:50, Hall 2

Title:
Development of Adoptive NK Cell
Therapy for Cancer Treatment

Affiliation:
Department of Internal Medicine, Division
of Hematology, Maastricht University
Medical Center, Maastricht, Co-founded
CIMAas BV, a company on NK cell therapy,
where he has the positions of CSO and
COO,
Netherlands


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**Panel**
Cancer & Immune Therapy



Nasrollah Zarghami

August 29, 2024
16:30 - 16:50, Hall 2

Title:
Design and Development of Nano
Formulated Bioactive Component
for Molecular Targeted Therapy of
Cancer Stem Cells

Affiliation:
Department of Medicine Biotechnology,
Istanbul Aydin University,
Turkey


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**Panel**
Revolutionary Eye and Vision
Research



Behrad Noudoost

August 29, 2024
14:00 - 14:20, Hall 2

Title:
Prefrontal control of visual signals

Affiliation:
Department of Ophthalmology and Visual
Sciences, University of Utah,
USA


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**Panel**
Regenerative Medicine: Novel
Approaches



Peter Timashev

August 30, 2024
08:30 - 08:50, Hall 1

Title:
Advanced Therapeutic Medicinal
Products in Bone and Cartilage
Defects

Affiliation:
Scientific Director, Biomedical Science
and Technology Park, Sechenov University,
Leading Researcher, Institute of Research
center "Crystallography and Photonics",
Russia


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**Panel**
How Close Are We to Bedside
for Bone and Cartilage Tissue
Regeneration?



Cecilia Götherström

August 29, 2024
11:00 - 11:20, Hall 3

Title:
Developing a Stem Cell Therapy for
Treating Brittle Bone Disease

Affiliation:
Principal Researcher, Department of
Clinical Science, Intervention and
Technology, Karolinska Institute
Sweden


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**Panel**
Cancer & Immune Therapy



Sanjeev Galande

August 29, 2024
17:45 - 18:05, Hall 2

Title:
Harnessing The Potential Of SATB
Family Proteins as a Novel
Molecular Target for Cancer
Therapy Using Statins

Affiliation:
Center of Excellence in Epigenetics,
Department of Life Sciences, Shiv Nadar
Institution of
Eminence, Delhi-NCR,
India


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**Panel**
Cancer & Immune Therapy



Alireza Pouya

August 29, 2024
18:10 - 18:30, Hall 2

Title:
The Pantetheinase VMN1 Regulates
Energy Metabolism in Acute
Myeloid Leukemia Stem Cells by
Controlling The Availability of
Coenzyme A

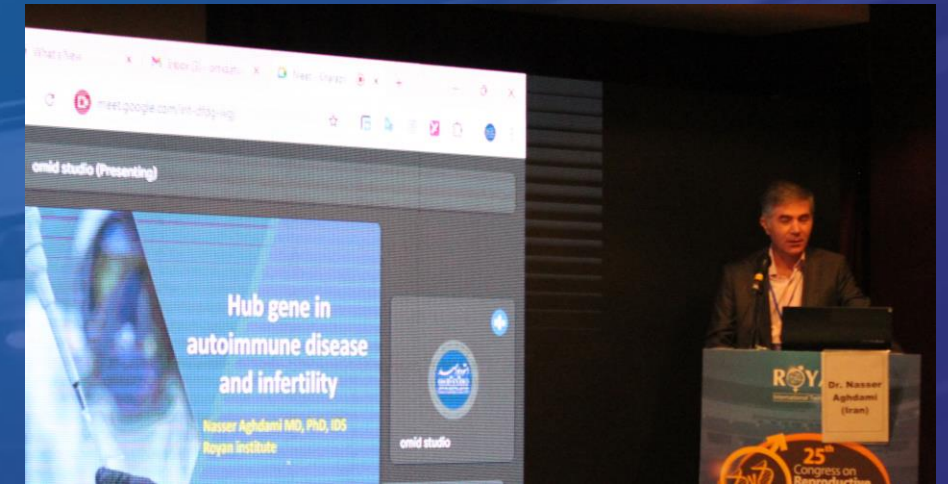
Affiliation:
Department of Hematology, Oncology and
Rheumatology, University Hospital
Heidelberg, Germany



25th International Congress on Reproductive Biomedicine (Congress sessions)

Session:
Genetics of Infertility: New
Insight in Prediction and
Diagnosis

Dr. Nasser Aghdami



Session:
Animal Biotechnology

Dr. Masoumeh Naserkheil





**25th International Congress on Reproductive Biomedicine
(Congress sessions)**

**Session:
Ethics & ART / Company
Symposium**

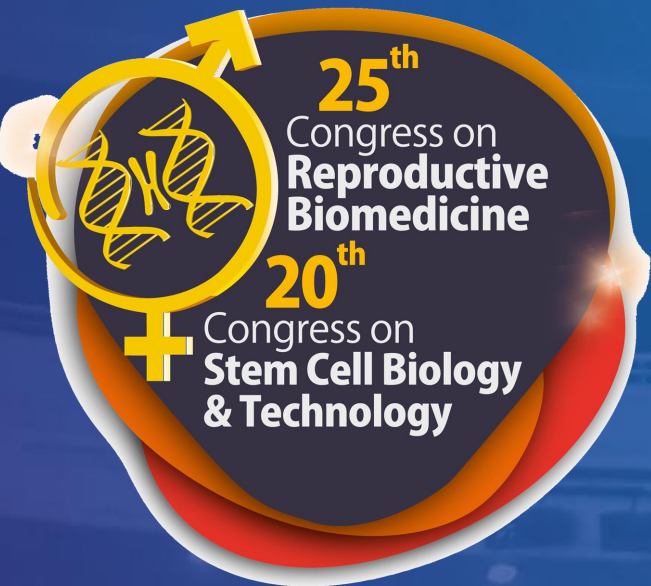
Dr. Ali Azin



**Session:
Is Platelet Rich Plasma (PRP)
Effective in ART?
Looking for Evidence**

**Dr. Mohammad Ali
Saddighi Gilani**

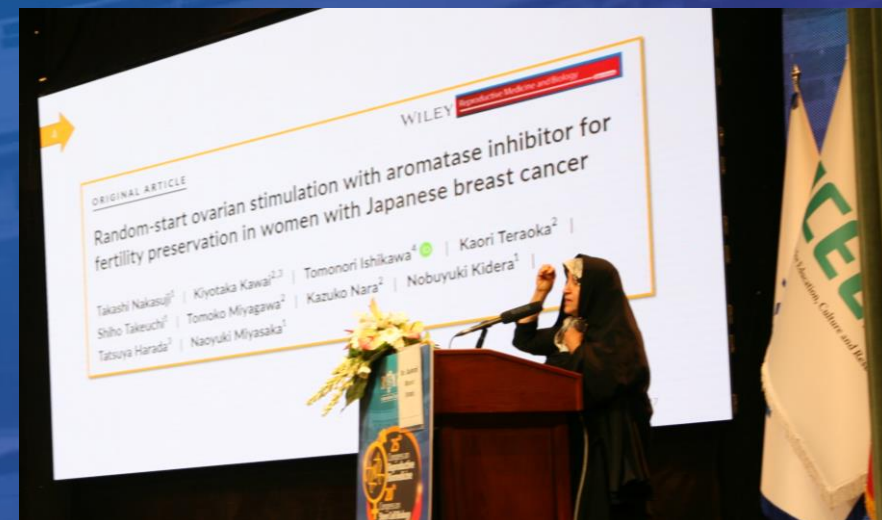




25th International Congress on Reproductive Biomedicine (Congress sessions)

Session:
Infection & ART

Dr. Ashraf Moini



Session:
Endometriosis & Adenomyosis

Dr. Saeed Alborzi





25th International Congress on Reproductive Biomedicine (Congress sessions)

Session:
A Review of The Latest Infertility
Achievements in
Treatment Protocols

Dr. Mansoureh Yazdkhasti



Session:
Familiarity and Therapeutic
Management of Endometriosis
Patients

Dr. Somayeh Aftabsavad



Session:
Fertility Preservation

Dr. Maryam Bagheri



25th
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20th
Congress on
Stem Cell Biology
& Technology

International Invited Speakers

25th International Congress on Reproductive Biomedicine



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International Twin Congress
28-30 August 2024, Tehran - Iran

Virtual

Panel
Animal Biotechnology



**Xiuchun
Cindy Tian**

August 28, 2024
17:20 - 17:40, Hall 2

Title:
Will be Announced

Affiliation:
Department of Animal Science, Institute
for Systems Genomics, University of
Connecticut, Storrs, Connecticut,
USA



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International Twin Congress
28-30 August 2024, Tehran - Iran

Virtual

Panel
Animal Biotechnology



**Farzad
Chafouri**

August 28, 2024
17:45 - 18:05, Hall 2

Title:
Construction of a
circRNA-lncRNA-lncRNA-miRNA
-mRNA ceRNA Regulatory
Network Identifies Genes and
Pathways Linked to Goat Fertility

Affiliation:
Researcher in the Department of Animal
Science, College of Agriculture and
Natural Resources, University of Tehran,
Tehran



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Virtual

Panel
Animal Biotechnology



**Marc
André Sirard**

August 28, 2024
16:30 - 16:50, Hall 2

Title:
Epigenetic Programming of
Embryos in the Cow Model

Affiliation:
Center for Research in Reproduction,
Development and Intergenerational
Health, Faculty of Agricultural and Food
Sciences, Department of Animal Sciences,
INAF Pavilion, Laval University, Quebec,
Canada



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28-30 August 2024, Tehran - Iran

Virtual

Panel
Engineering Approaches in
Reproduction



**Sadegh
Chorbani**

August 29, 2024
08:30 - 08:50, Hall 3

Title:
Advanced Bioengineering of
Female and Male Germ Cells

Affiliation:
Scientific Researcher, Department of
Biotechnology, Nanointerfaces, Cell
Engineering, Biomaterials, Stanford
University, California,
USA



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28-30 August 2024, Tehran - Iran

Virtual

Panel
How to Improve Reproductive
Outcomes?



**Svetlana
Madjunkova**

August 29, 2024
16:50 - 17:10, Hall 1

Title:
Advanced Methods to Select
Embryos for Transfer

Affiliation:
Head of Reproductive Genetics at CREAtE
Fertility Center, Toronto,
Canada



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28-30 August 2024, Tehran - Iran

Virtual

Panel
Infection & ART



**Germar-Michael
Pinggera**

August 29, 2024
09:30 - 09:50, Hall 1

Title:
Microbiome in the Male Genital
Tract

Affiliation:
Vice President of the Working Group of
Andrology and Sexual Dysfunction of the
Urology Society, Executive Board Member
OEGES, OEGES Section leader for
Andrology,
Italy



International Invited Speakers

25th International Congress on Reproductive Biomedicine

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28-30 August 2024, Tehran - Iran

Virtual

Panel
Engineering Approaches in Reproduction

Title:
Advances in Developing a Transplantable Engineered Ovary

Affiliation:
Director of the Research Pole in Reproductive Physiopathology, Belgium

Christiani C. Amorim
August 29, 2023
09:15 - 09:35, Hall 3

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International Twin Congress
28-30 August 2024, Tehran - Iran

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Panel
Endometriosis & Adenomyosis

Title:
Embryological Aspects in the Management of Endometriosis or Adenomyosis (Oocyte, Embryo, and Endometrial Receptivity)

Affiliation:
Department of Gynecology Obstetrics II and Reproductive Medicine, Faculty of Medicine, University of Paris, France

Mathilde Bourdon
August 30, 2024
11:00 - 11:15, Hall 2

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International Twin Congress
28-30 August 2024, Tehran - Iran

Virtual

Panel
Endometriosis & Adenomyosis

Title:
Adenomyosis and Endometriosis: New Insights on The Pathogenesis and Treatments

Affiliation:
Associate Professor of Obstetrics and Gynecology, Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health (DINOEMI), University of Genova, Italy

Simone Ferrero
August 30, 2024
11:40 - 11:55, Hall 2

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International Twin Congress
28-30 August 2024, Tehran - Iran

Virtual

Panel
Predictive Issue to Overcome Black Box in RSA & RIF

Title:
Genomic medicine and emerging technologies for a better understanding of RIF and RSA

Affiliation:
Department of Psychological Health and Territorial Sciences, School of Medicine and Health Sciences, "G. D'Annunzio" University of Chieti-Pescara, Italy

Antonio Capalbo
August 30, 2024
11:50 - 12:10, Hall 3



Congress Contests



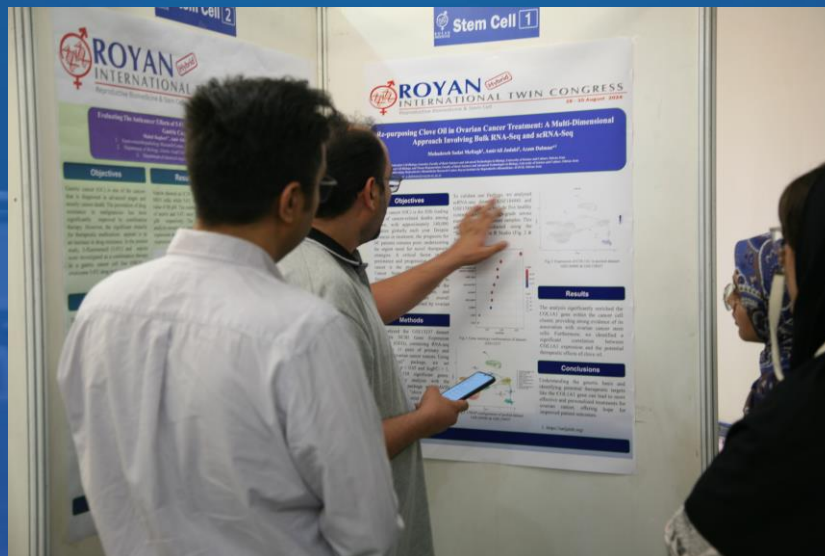
Every year, Royan Congress contest is held in the following fields and the winners are awarded the congress trophy:

- 1- Top score abstract
- 2- Best Poster Readers
- 3- Best Poster
- 4- Best Poster Presentation





Poster Presentation Section



Poster session was held in Shahid Beheshti University Abu Rayhan Hall.

More than 332 posters were scheduled to be presented during the 3-day-congress on stem Cell Biology & Technology and Reproductive Biomedicine, respectively.





Congress Exhibition



Due to the shortage of place, Royan Congress hosted more than 45 companies.

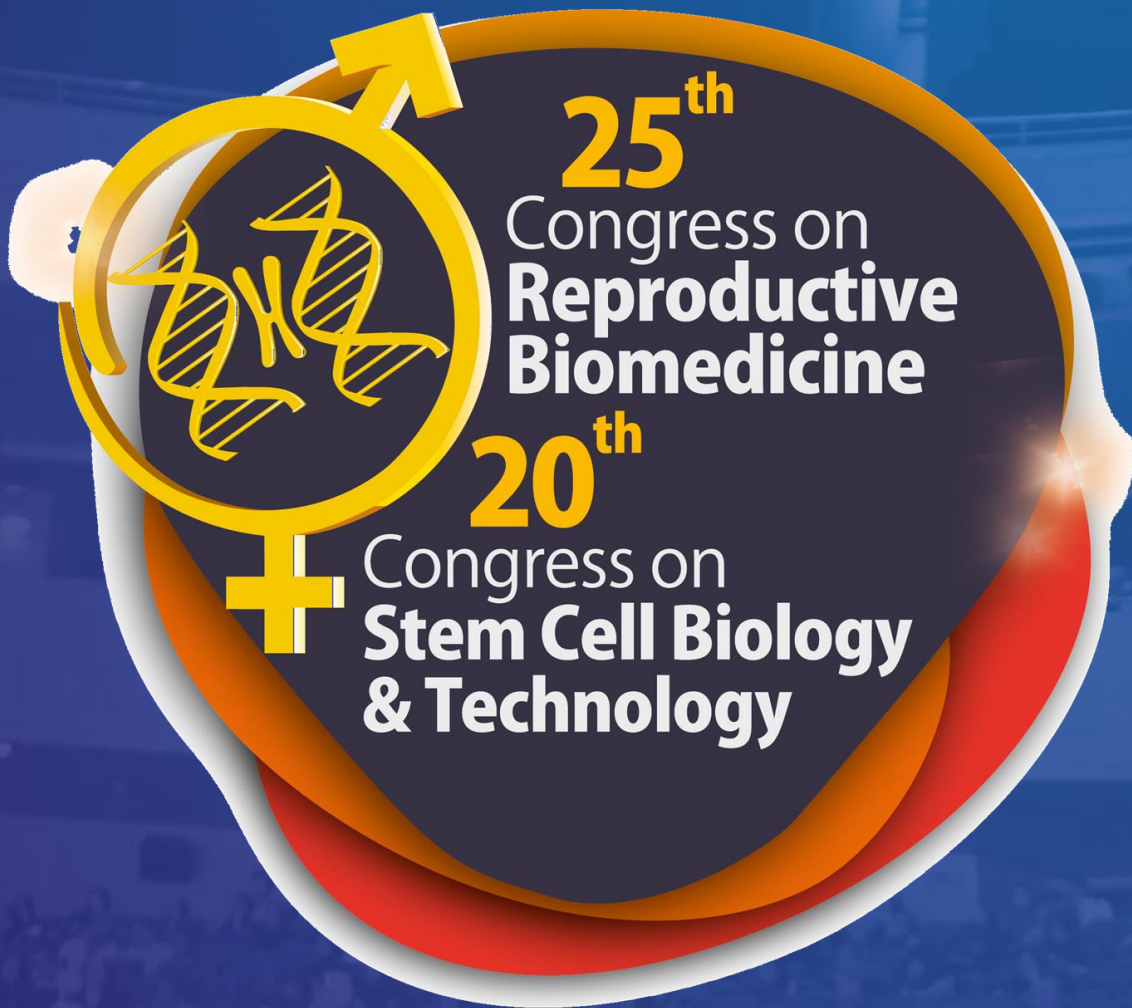




Short Oral Presentation

21 abstracts were accepted as short oral presentation in 25th Royan International Congress (28-30 August 2024) that were presented in the form of short oral presentation (5 minutes) and were reviewed in front of reviewers and audiences.





**Thank's for your
attention**