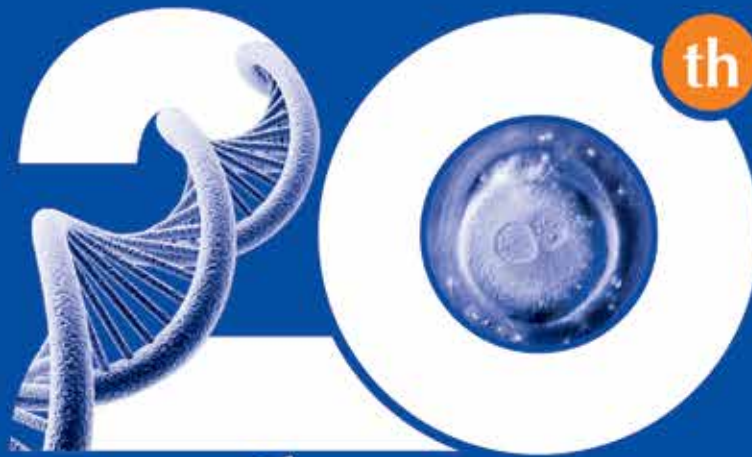


FINAL PROGRAM



International Twin Congress

August 28 - 30, 2019 - Tehran - Iran

20th Congress on
**Reproductive
Biomedicine**

15th Congress on
**Stem Cell Biology
& Technology**

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Industrial Development and Renovation Organization of Iran (IDRO)

Along with its social development during the 1960s, Iran experienced a small-scale industrial revolution, leading to an increase in GDP, greater number of factories and enhanced production rate in certain industries.

Extensive government support increased as the industrial sector went through a broad range of plans and projects offered over this period. Given the fast-growing changes, Industrial Development and Renovation Organization (IDRO) of Iran was established in July 1965, so as to carry out two key tasks of creating new industrial enterprises and renovating old factories.

Throughout nearly half a century of involvement in implementation of major industrial projects, IDRO has taken huge steps toward development of Iranian industries, marking numerous crucial turning-points in the history of the Iranian industrial development.

Based on past capacities and experiences and developing strategies of the country, the following industries have been chosen as the target industries of IDRO:

- Energy industry including, oil, gas and petro chemistry in upper and downstream areas and related facilities and equipment as well as renewable energies.
- Transportation including, auto, marine and rail
- Hi-Tech industries including biotechnology, IT and ICT, microelectronics and advanced materials

Biotechnology is one of the most important fields in Hi-Tech industries. IDRO's main mission in this field is to provide a favorable infrastructure for accelerating commercialization of research in biotechnology by founding SMEs all around country and bringing together people with know-how with foreign and domestic investors to develop the industry in Iran. Since the establishment of a specific department in charge of biotechnology development in 2000, IDRO has taken part in many important biotechnology projects such as production of bio-implants, biopolymers, biological fertilizers, bio fuel and stem cell storage with local partners and know-how.

IDRO warmly welcomes partnership with local and foreign companies to invest in technically and economically feasible projects in biotechnology and other fields of hi-tech industries.

General Information

Venue	Razi International Conference Center, Tehran, Iran
Date	28-30 August 2019
Official Language of Congress	English
Registration	On-site Registration: 28 August 2019
Speaker's Presentation Process	All speakers are kindly requested to submit their presentation Power-Point slides to our technician at least one hour before the presentation.
Short Oral Presentation, Paper & E-Posters	They are available for visit at the Specified poster section during the congress time on the ground floor.
Badges	<p>All the participants are requested to wear their badges all the time.</p> <p>The badges contain bar codes that will be used for congress lunch, Abstract CD & Certificate of Attendance</p> <p>Grey: Participants Dark Blue: Invited speakers & Chairpersons Red: Executive committee members Yellow: Press</p>
Meals	<ul style="list-style-type: none"> Coffee break will be available daily at 10:30-11:00, 15:30-16:00 on the First floor Lunch break will be available on days 1& 2 at 13:00-14:00 on the Ground floor
Note	Information regarding invited speakers is listed alphabetically according to their last name.

COOPERATORS & SPONSORS






			
			
			
			
	TUMS Preclinical Core Facility		




Wednesday (28 August, 2019)	Hall	8:30-10:30	10:30-11:00	11:00-13:00	13:00-14:00	Hall	14:00 – 16:00	16:00-16:30	16:30 – 18:30
	Hall 1	Keynote Opening	Coffee Break & Exhibition & Poster Reading	Award Ceremony (Hall 1)	Lunch Break & Exhibition & Poster Reading	Hall 1	Stem Cell	Coffee Break & Exhibition & Poster Reading	Stem Cell
						Hall 2	Optimizing ART Success: Challenges & Management Options		Donation: Ethical Issues in Assisted Reproductive Technology
						Hall 3	A Review of the Latest Infertility Achievements from Nursing & Midwifery Perspective <i>Nursing & Midwifery</i> (In Persian)		Leading Causes of RIF and Management of Treatment <i>Nursing & Midwifery</i> (In Persian)

Thursday (29 August, 2019)	Hall	8.30 - 10.30	10:30-11:00	11:00-13:00	13:00-14:00	Hall	14:00 – 16:00	16:00- 16:30	16.30 – 18:30
	Hall 1	Stem Cell	Coffee Break & Exhibition & Poster Reading	Stem Cell	Lunch & Prayer	Hall 1	Stem Cell	Coffee Break & Exhibition & Poster Reading	Stem Cell
	Hall 2	Oncofertility: Fertility Preservation in Pre-Pubertal Cancer Patients: Updates and Challenges		Nutrition, Environment and Reproduction		Hall 2	Unexplained Infertility		Infertility and Sexual Health
	Hall 3	Improving IVF Outcome: New Insights in Practical and Technical Aspects?		How Surgical Procedure & Paraclinical Intervention can Improve IVF Outcome?		Hall 3	Interaction of Environmental and Epigenetic Factors on Fertility <i>Nursing & Midwifery</i> (In Persian)		The Role of Complementary Medicine in Infertility Treatment <i>Nursing & Midwifery</i> (In Persian)

Friday (30 August, 2019)	Hall	8.30 - 10.30	10:30-11:00	11:00-13:00	13:00-14:00
	Hall 1	Stem Cell	Coffee Break	Stem Cell Keynote	Closing Ceremony (Hall 1)
	Hall 2	Fertility: Inflammation and The Immune System		Keynote on Reproductive Biology (Join Hall 2 & 3)	
	Hall 3	Animal Biotechnology			







International Invited Speakers
15th Royan International Congress on Stem Cell Biology & Technology (2019)

	Name	Titles
	Dr. Yaser Atlasi Radboud Institute for Molecular Life Sciences (RIMLS) Radboud University Nijmegen, The Netherlands	1. The Epigenetic Regulation and 3D Chromatin Organization in Embryonic Stem Cells 2. The Translational Landscape of Ground State Pluripotency
	Dr. Alexander Crawford Faculty of Veterinary Medicine Norwegian University of Life Sciences (NMBU), Norway	1. Accelerating Orphan Drug Discovery Using Zebrafish Models of Rare Diseases 2. Translational Biodiscovery: Identifying and Developing New Drugs From Nature
	Dr. Matteo D'Este Senior Scientist AO Research Institute Davos, Switzerland	1. 3D Printing of a Hyaluronic Bioink with Double Gelation Mechanism for Independent Tuning of Shear-Thinning and Shape Fixation 2. From Bench Science to Clinical Translation: Patents in Biomaterials
	Dr. Nastasia Kosheleva Leading Researcher, FSBSI Institute of General Pathology and Pathophysiology, Laboratory of Cell, Russia	Personalized Cell Products from Gingival Stem Cells
	Dr. Peter Timashev Institute for Regenerative Medicine Sechenov University, Russia	Milestones in the Development of Bioprosthetic Materials based on the Mammalian Pericardium Tissue

	Dr. Anastasia Shpichka Institute for Regenerative Medicine, Sechenov University, Russia	1. Digging Deeper: Structural Background of Angiogenesis within Fibrin Gel 2. Bottom-Up Laser Technology To Form Functional Materials For Complex Tissue Restoration
	Prof. Herve Petite Director of B3OA UMR CNRS INSERM UFR de Medicine site Villemin University Paris Diderot France	1. A comparative study of tissue-engineered constructs from Acropora and Porites coral in a large animal bone defect model. 2. Glucose Delivery System Based-Hydrogel Composite Scaffold for enhancing MSC survival
	Dr. Kotaro Sasaki, MD., PhD., Assistant Professor, Department of Biomedical Sciences, School of Veterinary Medicine, University of Pennsylvania, USA	1. In Vitro Gametogenesis in Humans 2. The Germ Cell Fate of Cynomolgus Monkeys is Specified in the Nascent Amnion
	Prof. Catherine Verfaillie Full Professor Director of Stem Cell Institute Leuven, Head of Stem Cell Biology and Embryology, Katholieke Universiteit Leuven, Belgium	1. Creation of Robust In Vitro Models to Study Liver Disease 2. Use of iPSC Derived Hepatocytes for Liver Generation/Replacement 3. Use of iPSC Derived Brain Cells to Model Neurodegenerative Disorders
	Prof. Amir A. Zadpoor Antoni van Leeuwenhoek, Distinguished Professor Department of Biomechanical Engineering, Faculty of Mechanical, Maritime, and Materials Engineering, Delft University of Technology, The Netherlands	1. Meta-Biomaterials: A New Generation of Biomaterials with Impossible Properties 2. Interactions between Surface Nanopatterns, Cells, and Bacteria

International Invited Speakers
20th Royan International Congress on Reproductive Biomedicine (2019)

	Name	Titles
	Prof. Marwan Alhalabi President of Middle East Fertility Society (MEFS), President of Syrian Society of Obstetricians and Gynecologists, Syria	1. Evidence Based Management of Recurrent Pregnancy Loss 2. Adenomyosis and Infertility
	Prof. Claus Yding Andersen Professor of Human Reproductive Physiology, Faculty of Health and Medical Sciences, University of Copenhagen Denmark	1. Fertility Preservation in Pre-Pubertal Boys 2. Application of Cryopreserved Ovarian Tissues
	Prof. Giovanni Maria Colpi Scientific Director of Andrology and IVF Unit, San Carlo Clinic, Paderno Dugnano, Procrea Institute, Italy, Switzerland	1. How Varicocele(ctomy) Impacts on Couple Natural and Assisted Reproduction 2. Some Options to Optimize Male Gametes for ICSI
	Prof. Luciana Dini Full Professor of Comparative Anatomy and Cytology, Department of Biology and Biotechnology Charles Darwin, University of Rome Italy	Safety by Design Interaction of Nanoparticles and Cells
	Prof. Gerhard Haidl Professor of Dermatology, Department of Dermatology and Andrology, University Clinic of Bonn, Germany	1. Current Options for Medical Treatment of Male Infertility 2. Chronic Epididymitis and Male Infertility

	Dr. Mete Isikoglu Director of Gynecology and Obstetrics, IVF Unit, The Center for Human Reproduction, Turkey	1. iTrigger: Better Results Expected 2. Freeze All For All? Some? None?
	Prof. Masood Khatamee Clinical Professor in the Department of Obstetrics and Gynecology, New York University USA	Future of Reproductive System and Ethical Consideration
	Dr. Effat Merghati School of Public Health and Community Medicine, UNSW, Sydney, Australia	Sexual Health Service Delivery in ART Settings
	Prof. Eric Scott Sills Senior Vice President for Research, Gen 5 Fertility, Medical Director & Chair, Center for Advanced Genetics USA	1. Intraovarian Injection of Autologous Plate- let-Derived Growth Factors
	Prof. Alireza A. Shamshirsaz Senior R & D Research Engineer, Oncology Department, Angio Dynamics, USA	1. State of the ART Management of Mono- chorionic-Diamniotic Twins and Fetal Surgery 2. The Epidemiology of Perinatal/Neonatal Outcomes among Twins Stratified by Mode of Conception and the Effect of Advanced Maternal Age in the United States
	Dr. Alberto Vaiarelli Medical Doctor, gynecologist, specialist in Infertility and Reproductive Medicine at the GENERA Center for Reproductive Medicine of Valle Giulia Clinic in Rome, Italy	1. The Matter of Oocyte number: More is Better 2. Approach to Increase The Chance of Eu- ploidy: Dual Stimulation in Details

Iranian Invited Speakers- Reproductive Biomedicine

Andrology

- **Dr. Nima Narimani**, Hasheminejad Kidney Center (HKC), Iran University of Medical Sciences, Tehran, Iran
- **Dr. Alireza Kheradmand**, Department of Urology, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran
- **Dr. Mohammad Ali Sadighi Gilani**, Department of Andrology, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran
- **Dr. Hesameddin Sajjadi**, Department of Andrology, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

Animal Biotechnology

- **Dr. Mohammad Hossein Nasr Esfahani**, Department of Reproductive Biotechnology, Reproductive Biomedicine Research Center, Royan Institute for Biotechnology, ACECR, Isfahan, Iran
- **Dr. Seyed Morteza Aghamiri**, School of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran
- **Dr. Farnoosh Jafarpour**, Department of Reproductive Biotechnology, Reproductive Biomedicine Research Center, Royan Institute for Biotechnology, ACECR, Isfahan, Iran
- **Dr. Mazdak Razi**, Department of Basic Sciences, Faculty of Veterinary Medicine, Urmia University, Urmia, Iran

Embryology

- **Dr. Zahra Borzoei**, Shahid Beheshti Hospital, Isfahan, Iran
- **Dr. Ladan Giahi**, Reproductive Biotechnology Research Center, Avicenna Research Institute, ACECR, Tehran, Iran
- **Dr. Azim Mehrvar**, MAHAK Hematology Oncology Research Center (MAHAKHORC), MAHAK Hospital, Tehran, Iran
- **Dr. Zohreh Nozarian**, Department of Pathology, Tehran University of Medical Sciences, Tehran, Iran
- **Dr. Roya Hosseini**, Department of Andrology, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran
- **Dr. Towhid Rezaie Topraggaleh**, Department of Anatomy, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran

Female Infertility

- **Dr. Abbas Aflatoonian**, Department of Gynecology and Infertility; Reproductive Sciences Institute, Shahid Sadoughi University of Medical Sciences, Yazd, Iran
- **Dr. Azadeh Akbari Sene**, Shahid Akbar-Abadi Hospital IVF Center, IVF Department, Iran University of Medical Sciences, Tehran, Iran
- **Dr. Maryam Ashrafi**, Arash Hospital, Tehran, Iran
- **Dr. Soheila Arefi**, Department of Obstetrics and Gynaecology, Avicenna Research Institute, ACECR, Tehran, Iran
- **Dr. Firouzeh Ghaffari**, Department of Endocrinology and Female Infertility, Reproductive, Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran
- **Dr. Shirin Ghazizadeh**, Department of Obstetrics and Gynecology, Tehran University of Medical Sciences, Tehran, Iran
- **Dr. Mohammad Ebrahim Parsa-Nezhad**, Infertility and Reproductive Medicine, Shiraz University of Medical Sciences, Shiraz, Iran
- **Dr. Reza Pazhoumand**, Laboratory of Genetics, Shiraz Infertility Center, Shiraz, Iran
- **Dr. Saghar Salehpour**, Department of Obstetrics and Gynecology, Preventive Gynecology Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- **Dr. Amir Hossein Zarnani**, Department of Immunology, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran

Reproductive Genetics

- **Dr. Batool Hosseinpour**, Department of Biotechnology, Iranian Research Organization for Science and Technology, Tehran, Iran
- **Dr. Mehdi Totonchi**, Department of Genetics, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

Reproductive Health

- **Dr. Seyed Ali Azin**, Reproductive Biotechnology Research Center, Avicenna Research Institute (ACECR), Tehran, Iran
- **Dr. Seyed Mohammad Azin**, Private Law, Department of Medical Ethics and Law, Reproductive Biomedicine Research

Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

- **Dr. Sadegh Shariatinasab**, Department of Epidemiology and Reproductive Health, Royan Institute for Reproductive Biomedicine, ACECR, Iran

- **Dr. Reza Omani Samani**, Reproductive Epidemiology Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Iran

Department of Medical Ethics, Tehran University of Medical Sciences, Tehran, Iran

- **Dr. Behrouz Gharesifard**, Immunology Department and Infertility Research Center, Shiraz

University of Medical Sciences, Shiraz, Iran

- **Dr. Elaheh Mohseni**, Private law, Mashhad, Iran

- **Dr. Seyed Hadi Motamedi**, University of Social Welfare and Rehabilitation Science, Tehran, Iran

- **Dr. Shokoufeh Sabeti**, Department of Epidemiology and Reproductive Health, Reproductive Epidemiology Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

- **Dr. Maryam Tavakoli**, Department of Immunology- Avicenna Research Institute, Tehran, Iran.

- **Dr. Mohammad Arash Ramezani**, Psychosexual Health and Clinical Psychology, Family Research Institute, Shahid Beheshti University, Tehran Iran

- **Dr. Masoud Yunesian**, Department of Epidemiology, Tehran University of Medical Sciences.

Reproductive Imaging

- **Dr. Firoozeh Ahmadi**, Department of Reproductive Imaging, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

- **Dr. Maryam Khalili Sadrabad**, Department of Reproductive Imaging, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

Nursing

- **Dr. Dr. Leila Amini**, Department of Reproductive Health, School of Nursing and Midwifery, Iran University of Medical Sciences, Tehran, Iran

- **Dr. Mohammad Hossein Ghaderian**, Department of Medical Genital School of Medicine, Tehran University of Medical Science, Tehran, Iran

- **Dr. Maryam Hafezi**, Department of Endocrinology and Female Infertility, Reproductive Biomedicine Research Center, Royan Institute for Reproductive, Biomedicine, ACECR, Tehran, Iran

- **Dr. Tahereh Madani**, Department of Endocrinology and Female Infertility, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

- **Naeimeh Sadat Mirghavameddin**, Department of Endocrinology and Female Infertility, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

- **Farkhondeh Pouresmaeili**, Department of Medical Genetics, Shahid Beheshti University of Medical Sciences, Tehran, Iran

- **Dr. Maryam Shahhoseini**, Department of Genetics, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

- **Dr. Morteza Zarrabi**, Department of Andrology, Reproductive Biomedicine Research Center, Royan Institute for Reproductive Biomedicine, ACECR, Tehran, Iran

Iranian Invited Speakers-Stem Cell Biology and Technology

- **Dr. Malek Hossein Asadi**, Department of Genetics, Graduate University of Advanced Technology, Kerman, Iran

- **Dr. Mohammadreza Bidkhor**, Stem Cells and Regenerative Medicine Research Department, ACECR-Khorasan Razavi, Mashhad, Iran

- **Dr. Leila Dargahi**, Neuroscience Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran

- **Dr. Zhila Izadi**, Pharmaceutical Sciences Research Center, Health Institute, Kermanshah University of Medical Sciences, Kermanshah, Iran

- **Dr. Maryam Kay**, Tarbiat Modares University, Department of Genetics, Faculty of Biological Sciences, Tarbiat Modares University, Tehran, Iran

- **Dr. Anna Meyfour**, Basic and Molecular Epidemiology of Gastrointestinal Disorders Research Center, Research Institute for Gastroenterology and Liver Diseases, Shahid Beheshti University of Medical Sciences, Tehran, Iran

- **Dr. Javad Mowla**, School of Biological Sciences, Tarbiat Modares University, Tehran, Iran

- **Dr. Sharif Moradi**, Department of Stem Cells and Developmental Biology, Cell Science Research Center, Royan Institute for Stem Cell Biology and Technology, ACECR, Tehran, Iran

- **Dr. Mohammad Ramezani**, Pharmaceutical Research Center, Pharmaceutical Technology Institute, Mashhad University of Medical Sciences, Mashhad, Iran

- **Dr. Ehsan Sharif**, Department of Immunology, TUMS Preclinical Core Facility Clinics, Tehran University of Medical Sciences, Tehran, Iran



International Twin Congress
Reproductive Biomedicine & Stem Cells

20th Congress on **Reproductive Biomedicine**

August 28, 2019, 8:30- 10:30, Hall 1 (Joint Session for Two Congresses)

Holy Quran & Iranian National Anthem	
Keynote Lectures (Hall 1)	
Chairpersons: A. Aflatoonian, M.A. Sadighi Gilani, M. Alhalabi, M.H. Nasr Esfahani	
8:30- 8:55 Ghasem Hosseini Salekdeh (Iran)	Y Chromosome Genes Play Roles on Sex-Dependent Development Outside of Sex Determination
9:00-9:25 Catherine Verfaillie (Belgium)	Use of iPSC derived Brain Cells to Model Neurodegenerative Disorders
9:30-9:55 Claus Andersen (Denmark)	Application of Cryopreserved Ovarian Tissues
10:00-10:30 Marwan Alhalabi (Syria)	Evidence Based Management of Recurrent Pregnancy Loss
10:30-11:00 Coffee Break, Exhibition & Poster Session	

August 28, 2019, 11:00 – 13:00, Hall 1

Congress & Award Ceremony (Hall 1)	
13:00-14:00 Lunch Break, Exhibition & Poster Session	

August 28, 2019, 14:00 – 18:30, Hall 2

Optimizing ART Success: Challenges & Management Options	
Chairpersons: H. Gourabi, GR. Pourmand, R. Taheripana, M.M. Akhondi	
14:00-14:15 Mohammad Ali Sadighi Gilani (Iran)	Sperm Retrieval in Sertoli Cell Only Syndrome (SCO) Patients
14:20- 14:35 Saghar Salehpour (Iran)	Thin Endometrium in ART
14:40-14:55 Alberto Vaiarelli (Italy)	The Matter of Oocyte Number: More is Better
15:00-15:15 Shirin Ghazizadeh (Iran)	Adenomyosis and Endometriosis: The Association and Impact on Fertility
15:20-15:40 Jemma Evans (Australia)	The Negative Impact of Obesity Associated Advanced Glycation End Products on Female Fertility <i>20th International Royan Award Winner</i>

15:45-16:00 Maryam Khalili Sadrabad (Iran)	Application of Color Doppler Imaging in Optimizing ART Success
16:00- 16:30 Coffee Break, Exhibition & Poster Session	

Donation: Ethical Issues in Assisted Reproductive Technology	
Chairpersons: M. Khatamee, R. Omani Samani, M. Hafezi, Sh. Aali	
16:30-16:45 Masood Khatamee (USA)	Future of Reproductive System and Ethical Consideration
16:50-17:05 Elaheh Mohseni (France)	Status of Ethics Committee in New Biomedical Technologies in France & Iran
17:10-17:25 Sadegh Shariati Nasab (Iran)	Legal and Ethical Issues in Donation Programs
17:30-17:45 Seyed Mohammad Azin (Iran)	Civil Liability of Fertility Clinics in Embryo Donation Errors
17:50-18:05 Reza Omani Samani (Iran)	Anonymity and Donation: Advantages & Disadvantages
18:10-18:30	Panel Discussion

August 28, 2019, 14:00 – 18:30, Hall 3 (In Persian)

A Review of the Latest Infertility Achievements from Nursing and Midwifery Perspective	
Chairpersons: T .Madani , M. Sadeghi, L. Amini, R. Omani Samani, Sh. Jahaninan	
14:00-14:15 Maryam Omrizadeh (Iran)	Welcome Message
14:15-14:45 Maryam Hafezi & Leila Amini (Iran)	Preservation Female Fertility and Supportive Role of Mid-wife and Nurse
14:45-15:00 Taherehn Madani & Azadeh Ghaheiri (Iran)	Handling Process of POF Patients from Nursing and Mid-wifery Perspective
15:00-15:15 Mansoureh Jamshidimanesh (Iran)	Validation of Infertility Stigma Scale in Infertile Women
15:15-15:30 Morteza Zarrabi (Iran)	Telemedicine and Tourism Therapy in Infertility
15:30-15:45 Batool Hasanpoor-Azghdy (Iran)	The Social Construction of Infertility among Iranian Infertile Women
15:45-16 Nafisehsadat Nekuei(Iran)	Preconception Counselling in Couples with Infertility
16:00-16:30 Coffee Break, Exhibition & Poster Session	
Leading Causes of RIF and Management of Treatment	
Chairpersons: H. Gourabi, A. Vosough Dizaji, F. Farrahi , F. Hassani, F. Ramezanali, , E. Amirchaghmaghi, Z. Ezabadi	
16:30-18:30 Panel Discussion	Latest Achievements of RIF / Genetic Factors & RIF/ Immunologic Factors & RIF Female Factors & RIF Male Factors: The Role of Midwife & Nurse in Counselling & Treatment

August 29, 2019, 8:30 – 13:00, Hall 2

Oncofertility: Fertility Preservation in Pre-Pubertal Cancer Patients: Updates and Challenges	
Chairpersons: C. Andersen, A. Mehrvar, A.R. Kheradmand, F. Ghaffari	
8:30-8:45 Azim Mehrvar (Iran)	The Impact of Chemotherapy & Radiotherapy in Pre-pubertal Gonad
8:50-9:05 Firouzeh Ghaffari (Iran)	Fertility Preservation in Pre-Pubertal Girls
9:10-9:25 Claus Yding Andersen (Denmark)	Fertility Preservation in Pre-Pubertal Boys
9:30-9:45 Eric Scott Sills (USA) <i>Video-Conferencing</i>	Intraovarian Injection of Autologous Platelet-Derived Growth Factors
9:50-10:05 Alireza Kheradmand (Iran)	Challenges in Pre-pubertal Boys Surgical Sperm Retrieval
10:10-10:30 Reza Omani Samani (Iran)	Ethical & Legal Issues in Pre- Pubertal Cancer Patients
10:30-11:00 Coffee Break, Exhibition & Poster Session	

Nutrition, Environment & Reproduction	
Chairpersons: M.H. Nasr Esfahani, R. Hosseini, V. Akbarinejad, A.R. Alizadeh Moghaddam Masouleh	
11:00-11:15 Zohreh Nozarian (Iran)	Techniques of Vitamin D Measurement and Cut-off Point Interpretations
11:20-11:35 Roya Hosseini (Iran)	The Effect of Vitamin D in Female Infertility
11:40-11:55 Mohammad Hossein Nasr Esfahani (Iran)	The Effect of Vitamin D in Male Infertility
12:00-12:15 Ladan Giahi (Iran)	Nutrition Coaching v.s. Nutrition Counseling in Management of PCO and Infertile Obese Couples
12:20-12:35 Masoud Younesian (Iran)	Environmental Contaminants and Female Reproductive Health and Infertility: Hypothesis or Cause for Concern?
12:40-12:47 Alireza Behnamifar (Iran)	Effects of Dietary Lipoic Acid Supplementation on Seminal Parameters and Fertility Potential in Aging Broiler Breeder Roosters
12:50-12:57 Hamid Piroozmanesh (Iran)	Effect of Selenium on Sperm Parameters and DNA Fragmentation in Infertile Men
13:00-14:00 Coffee Break, Exhibition & Poster Session	

August 29, 2019, 8:30 – 13:00, Hall 3

Improving IVF Outcome: New Insights in Practical and Technical Aspects	
Chairpersons: M.A. Khalili, M.R. Sadeghi, H. Choubineh, M. Shahhoseini	
8:30-8:40 Tohid Rezaei Topraggaleh (Iran)	Application of Microfluid Systems in ART Laboratory
8:45-9:00 Zahra Borzoei (Iran)	Artificial Testis, Current Research and Future Direction

9:05-9:25 Mete Isikoglu (Turkey)	iTrigger: Better Results Expected
9:30-9:45 Giovanni Colpi (Italy)	Some Options to Optimize Male Gametes for ICSI
9:50-10:05 Alberto Vaiarelli (Italy)	Approach to Increase the Chance of Euploidy
10:10-10:30	Q & A
10:30-11:00 Coffee Break, Exhibition & Poster Session	

How Surgical Procedure and Paraclinical Intervention can Improve IVF Outcome?

Chairpersons: G. Colpi, ME. Parsanezhad, N. Mousavifar, E. Shahrokh Tehraninejad, A. Shamshirsaz

11:00-11:15 Firouzeh Ahmadi (Iran)	How Diagnostic Imaging Methods can Improve Unnecessary Surgeries
11:20-11:35 Alireza Abdullah Shamshirsaz (USA)	State of the ART Management of Monochorionic-Diamniotic Twins and Fetal Surgery
11:40-11:55 Maryam Ashrafi (Iran)	Surgical Intervention Isthmuscele
12:00-12:15 Hamidreza Kafi (Iran)	A Post-Marketing Study to Investigate Effectiveness and Safety of Cinnal-f Pen in Women Undergoing Ovarian Stimulation
12:20-12:35 Giovanni Colpi (Italy)	How Varicocele Surgery Impacts on Couple Natural and Assisted Reproduction?
12:40-12:55 Azadeh Akbari Sene (Iran)	What Is the Place of Surgery for Infertile Patients with Endometriosis?
13:00-14:00 Lunch Break, Exhibition & Poster Session	

August 29, 2019, 14:00-18:30, Hall 2

Unexplained Infertility

Chairpersons: A. Akbari Sene, M. Movahedin, H. Sajjadi, S.N. Almadani

14:00- 14:15 Marwan Alhalabi (Syria)	Which Type of Adenomyosis Can Produce Problem for Infertility as a Marker?
14:20-14:35 Mehdi Totonchi (Iran)	Application of Genomic Studies in Uncovering Sperm Defects Mechanisms <i>20th National Royan Award Winner</i>
14:40-14:55 Batool Hosseinpour (Iran)	Weighted Gene Coexpression Analysis Reveals New System Level Properties of Endometriosis
15:00-15:15 Nima Narimani (Iran)	What is the Role of Sperm DFI in Male Unexplained Infertility and its Treatments?
15:20-15:35 Mete Isikoglu (Turkey)	Freeze All For All? Some? None?
15:40-15:47 Azam Govahi (Iran)	The Effect of Sperm DNA Fragmentation on Embryo Aneuploidy in ICSI-CGH Array Cycles
15:50-15:57 Fariba Ramazanali (Iran)	The Predictive Values of the Serum Levels of Estradiol and Progesterone during the Modified Natural Cycles for Clinical Pregnancy after Vitified-Warmed Embryo Transfer
16:00-16:30 Coffee Break, Exhibition & Poster Session	

Infertility and Sexual Health

Chairpersons: M. Ashrafi, S.A. Azin, Sh. Sabeti, H. Mehrabi

16:30-16:45 Effat Merghati (Australia) Video-Conferencing	Sexual Health Service Delivery in ART Settings
16:50-17:05 Mohammad Arash Ramezani (Iran)	The Shadows of Infertility Over Sexuality
17: 10-17:25 Seyed Hadi Motamedi (Iran)	The Association between Infertility & Sexual Disorders from the Perspective of Mental Health
17:30-17:45 Seyyed Ali Azin (Iran)	Sexual Health Rights of Infertile Couples
17:50-18:05 Shokoufeh Sabeti (Iran)	Sexual Dysfunctions and Infertility
18:10-18:25 Hesameddin Sajjadi (Iran)	Male Sexual Dysfunction Management

August 29, 2019, 14:00-18:30, Hall 3 (In Persian)

Interaction of Environmental and Epigenetic Factors on Fertility

Chairpersons: M. Shahhoseini, M.H. Ghaderian, N.S. Mirghavameddin, M.B Saberi Zafarghandi

14:00 – 14:20 Farkhondeh Pouresmaeili (Iran)	Effective Environmental Factors on Infertility
14:20-14:40 Naeimeh Sadat Mirghavameddin (Iran)	The Impact of Lifestyle Changes on Fertility Improvement
14:40-15:20 Maryam Shahhoseini & Mohammad Hossein Ghaderian (Iran)	The Role of Epigenetic on Infertility
15:20-15:40 Maryam Sahraeian (Iran)	The Effect of Cognitive Behavioral Therapy on Sexual Function in Infertile Women: A Randomized Controlled Clinical Trial
15:40-16:15 Akram Sajadian (Iran)	Exploring the Problems and Concerns the Infertile Breast Cancer Patients' Spouses: A Qualitative Study

16:00-16:30 Coffee Break, Exhibition & Poster Session

Complementary Medicine in the Treatment of Infertility

Chairpersons: M. Yazdian, R. Choopani, M. Tansaz, A M Jaladat, M. Omrizadeh

16:30-16:45 Leila Amini (Iran)	General Health in Women with Polycystic Ovary Syndrome: Effect of Salvia Officinalis
16:45-18:00 Panel Discussion	Introduction to Infertility from Traditional Medicine Perspective/ Introduction of the Principles of Health in Infertility from Traditional Medicine Perspective/ Therapeutic and Nutritional Management Approach in Infertility Treatment Success

August 30, 2019, 8:30 – 10:30, Hall 2

Fertility: Inflammation and the Immune System & Thrombophilia

Chairpersons: M. Alhalabi, S.M. Kalantar, B. Gharesifard, G. Haidle, E. Amirchaghmaghi

8:30-8:45 Behrouz Gharesifard (Iran)	Seminal Plasma, Immune System and Infertility
8:50 - 9:05 Maryam Tavakoli (Iran)	Immune Modulation Treatment in RIF and Recurrent Abortion
9:10-9:25 Soheila Arefi (Iran)	Inherited Thrombophilia and Recurrent Pregnancy Loss
9:30- 9:45 Gerhard Haidle (Germany)	Chronic Epididymitis and Male Infertility
9:50-10:05 Reza Pazhoomand (Iran)	Preimplantation Genetic Diagnosis for β -Thalassemia Combined with HLA Matching
10:10-10:17 Roudabeh Mohammadi (Iran)	Various Inflammatory Response of Fallopian Tube Epithelial Cells to Sperms with DNA Fragmentation
10:20-10:30	Q & A
10:30-11:00 Coffee Break, Exhibition & Poster Session	

August 30, 2019, 8:30 – 10:30, Hall 3

Animal Biotechnology

Chairpersons: M.H. Nasr Esfahani, L. Dini, M. Hajian, M. Razi, M. Tavalaei

8:30-8:45 Farnoosh Jafarpour (Iran)	Folic Acid Deprivation and siRNA-inhibition of Suv39h1/2 in Fibroblast Donor Cells Improves Reprogramming of Bovine SCNT Embryos
8:50-9:05 Seyyed Morteza Aghamiri (Iran)	Reproductive Technologies in Small Ruminants: Environmental and Economic Effects in Iran
9:10-9:30 Mazdak Razi (Iran)	New Area for Testosterone and GDNF-Induced Roles in Varicocele-Related Infertility; Correlation with Spermatogonial Stem Cell Self-Renewal
9:35- 9:50 Luciana Dini (Italy)	Safety by Design Interaction of Nanoparticles and Cells
9:55-10:10 Mohammad Hossein Nasr Esfahani (Iran)	Sequential Regulatory of In Vitro Meiotic Maturation and Developmental Competence of Oocytes
10:10- 10:25 Zahra Anvar (Iran)	Epigenetic Reprogramming in Mamalian Development
10:30-11:00 Coffee Break, Exhibition & Poster Session	

August 30, 2019, 11:00 – 13:00, Hall 2 (Joint Session for Hall 2 & 3)

Keynote Closing

Chairpersons: A. Vosough Dizaji, S.J. Hosseini, A. Moini, P. Afsharian

11:00-11:25 Abbas Aflatoonian (Iran)	Pregnancy Over 40: Risks & Opportunities
11:30-11:55 Gerhard Haidle (Germany)	Current Options for Medical Treatments of Male Infertility
12:00-12:25 Ebrahim Parsanezhad (Iran)	IVF vs ICSI in Non-Male Factor Infertility: Time to Change

12:30-12:55

Alireza Abdullah Shamshirsaz (USA)

The Epidemiology of Perinatal/Neonatal Outcomes
among Twins Stratified by Mode of Conception and the
Effect of Advanced Maternal Age in the United States

August 30, 2019, 13:00 – 14:00, Hall 2 (Joint Session for Hall 2 &3)

Closing ceremony



International Twin Congress
Reproductive Biomedicine & Stem Cells

15th Congress on **Stem Cell Biology & Technology**

August 28, 2019, 8:00-8:30, Hall 1 (Joint Session for Two Congresses)

Opening Ceremony	
8:00 – 8:05	Holy Quran & Iranian National Anthem
8:05 – 8:12 Firouzeh Ghaffari (Iran)	20 th Congress Chairperson, Reproductive Biomedicine
8:13-08:19 Samaneh Hosseini (Iran)	15 th Congress Chairperson, Stem Cell Biology and Technology
8:20-8:28 Mohammad Ali Sadighi Gilani (Iran)	President of Iranian Society for Reproductive Medicine (ISRM)

August 28, 2019, 8:30- 10:30, Hall 1 (Joint Session for Two Congresses)

Keynote Lectures (Hall 1)	
Chairpersons: A. Aflatoonian, M.A. Sadighi Gilani, M. Alhalabi, M.H. Nasr Esfahani	
8:30- 8:55 Ghasem Hosseini Salekdeh (Iran)	Y Chromosome Genes Play Roles on Sex-Dependent Development Outside of Sex Determination
9:00-9:25 Catherine Verfaillie (Belgium)	Use of iPSC derived Brain Cells to Model Neurodegenerative Disorders
9:30– 9:55 Claus Andersen (Denmark)	Application of Cryopreserved Ovarian Tissues
10:00-10:30 Marwan Alhalabi (Syria)	Evidence Based Management of Recurrent Pregnancy Loss
10:30-11:00	Coffee Break, Exhibition & Poster session

August 28, 2019, 11:00 – 13:00, Hall 1 (Joint Session for Two Congresses)

Award Ceremony	
20 th Royan International Award Ceremony	
13:00-14:00	Lunch Break, Exhibition & Poster session

August 28, 2019, 14:00 – 16:00, Hall 1

Pluripotent Stem Cells	
Chairpersons: C. Verfaillie, Sh. Moradi, N. Hassani, F. Esfandiari	
14:00-14:25 Catherine Verfaillie (Belgium)	Use of iPSC Derived Hepatocytes for Liver Generation/ Replacement
14:30-14:55 Yaser Atlasi (Netherlands)	The Epigenetic Regulation and 3D Chromatin Organization in Embryonic Stem Cells
15:00-15:25 Sharif Moradi (Iran)	Elimination of Tumorigenic Pluripotent Stem Cells by A Small-Molecule Antibiotic
15:30-16:00 Seyed Javad Mowla (Iran)	Therapeutic Effects of BMSC-derived Exosome Packed with a miR-21-Sponge Construct in a Rat Model of Glioblastoma
16:00-16:30	Coffee Break, Exhibition & Poster session

August 28, 2019, 16:30 – 18:00, Hall 1

Advances in Neurodegenerative Diseases

Chairpersons: M. Ramezani, M. Javan, K. Shahpasand, Z. Shiri

16:30-16:55 Mohammad Ramezani (Iran)	Aptamer Conjugated MSC-derived Exosomes for Inducing Remyelination in Multiple Sclerosis Model
17:00 -17:25 Leila Dargahi (Iran)	Interferon Beta: a Potential Candidate for the Treatment of Alzheimer's Disease
17:30-17:40 Masumeh Musavinejad (UK)	Assess the Viability and Intracranial Biodistribution of Human Embryonic Stem Cell-Derived Dopaminergic Progenitors in Rats Using Non-Invasive Imaging Techniques
17:45-18:00	Q & A

August 29, 2019, 8:30 – 10:30, Hall 1

Genetics, Epigenetics and Stem Cells

Chairpersons: M. Ebrahimi, V. Khoddami, Y. Atlasi, Sh. Moradi

8:30-8:55 Hamid Bidkhor (Iran)	Perturbation of Endogenous siRNA Level by DICER1 Over-expression in Adipose-Derived Mesenchymal Stromal Cells
9:00-9:25 Yaser Atlasi (Netherlands)	The Translational Landscape of Ground State Pluripotency
9:30-9:55 Malek Hossein Asadi (Iran)	Long Non-coding RNA ES 1 Controls the Proliferation of Breast Cancer Cells by Regulating the Oct4/Sox2/miR-302 Axis
10:00-10:10 Mandana Movahed (Iran)	Histone Deacetylase 3 as an Orchestrator of Pancreatic Acinar Cell Regeneration and Neoplasia
10:15-10:25 Marlina Marlina (Indonesia)	Chondrogenic Related Genes Expression on IGF1-Induced Synovial Membrane Mesenchymal Stem Cells Isolated from Osteoarthritis Patients
10:30-11:00	Coffee Break, Exhibition & Poster session

August 29, 2019, 11:00 – 13:00, Hall 1

Biomaterials and Tissue Engineering (Part I)

Chairpersons: H. Petit, A.A. Zadpour, L. Montazeri, H. Daemi

11:00- 11:25 Matteo D'Este (Switzerland)	3D Printing of a Hyaluronan Bioink With Double Gelation Mechanism for Independent Tuning of Shear-Thinning and Shape Fixation
11:30-11:55 Amir Zadpoor (Netherlands)	Meta-Biomaterials: A New Generation of Biomaterials with Impossible Properties
12:00-12:30 Anastasia Shpichka (Russia)	Bottom-up Laser Technology to Form Functional Matrices for Complex Tissue Restoration
12:30-12:55 Herve Petit (France)	Glucose Delivery System Based-Hydrogel Composite Scaffold for Enhancing MSC Survival
13:00-14:00	Lunch Break, Exhibition & Poster session

August 29, 2019, 14:00 – 16:00, Hall 1

Recent Advances in Regenerative Medicine (Part I)	
Chairpersons: N. Kosheleva, A. Shpichka, M. Vosough, E. Hajizadeh	
14:00-14:25 Catherine Verfaillie (Belgium)	Creation of Robust In Vitro Models to Study Liver Disease
14:30-14:55 Nastasia Kosheleva (Russia)	Personalized Cell Products from Gingival Stem Cells
15:00-15:25 Anastasia Shpichka (Russia)	Digging Deeper: Structural Background of Angiogenesis within Fibrin Gel
15:30-15:55 Alexander Crawford (Norway)	Accelerating Orphan Drug Discovery Using Zebrafish Models of Rare Diseases
16:00- 16:30 Coffee Break, Exhibition & Poster Session	

August 29, 2019, 16:30 – 18:00, Hall 1

Stem Cells in Cardiovascular Diseases	
Chairpersons: A. Meyfour, P. Timashev, S. Pahlavan, S. Rajabi	
16:30-16:55 Peter Timashev (Russia)	Milestones in the Development of Bioprosthetic Materials Based on the Mammalian Pericardium Tissue
17:00-17:20 Anna Meyfour (Iran)	Up-Regulation of a Male-Specific H3K4 Demethylase, KDM5D, is Required for Cardiomyocyte Differentiation
17:25-17:45 Maryam Kay (Iran)	Candidate Non-Coding RNAs Regulate Cardiomyocyte Differentiation and Maturation Process
17:50-18:00 Fatemeh Kermani (UK)	In Vitro Recapitulation of Cardiac Developmental Microenvironment for Biomimetic Maturation of Induced Pluripotent Stem Cell-Derived Cardiomyocytes

August 30, 2019, 8:30 – 10:30, Hall 1

Biomaterials and Tissue Engineering (Part II)	
Chairpersons: : M. D'Este, Zh. Izadi, H. Ghanian, H. Sadeghi	
8:30-8:55 Amir Zadpoor (Netherlands)	Interactions between Surface Nanopatterns, Cells, and Bacteria
9:00-9:25 Matteo D'Este (Switzerland)	Towards Clinical Translation: Patents and Intellectual Property in Biomaterials Science
9:30-9:55 Zhila Izadi (Iran)	Surface Immobilization of JAG-1 on PEG-based Microcapsules for Immunoprotection of Pancreatic Islets
10:00-10:25 Herve Petit (France)	A Comparative Study of Tissue-Engineered Constructs from Acropora and Porites Coral in a Large Animal Bone Defect Model
10:30- 11:00 Coffee Break, Exhibition & Poster Session	

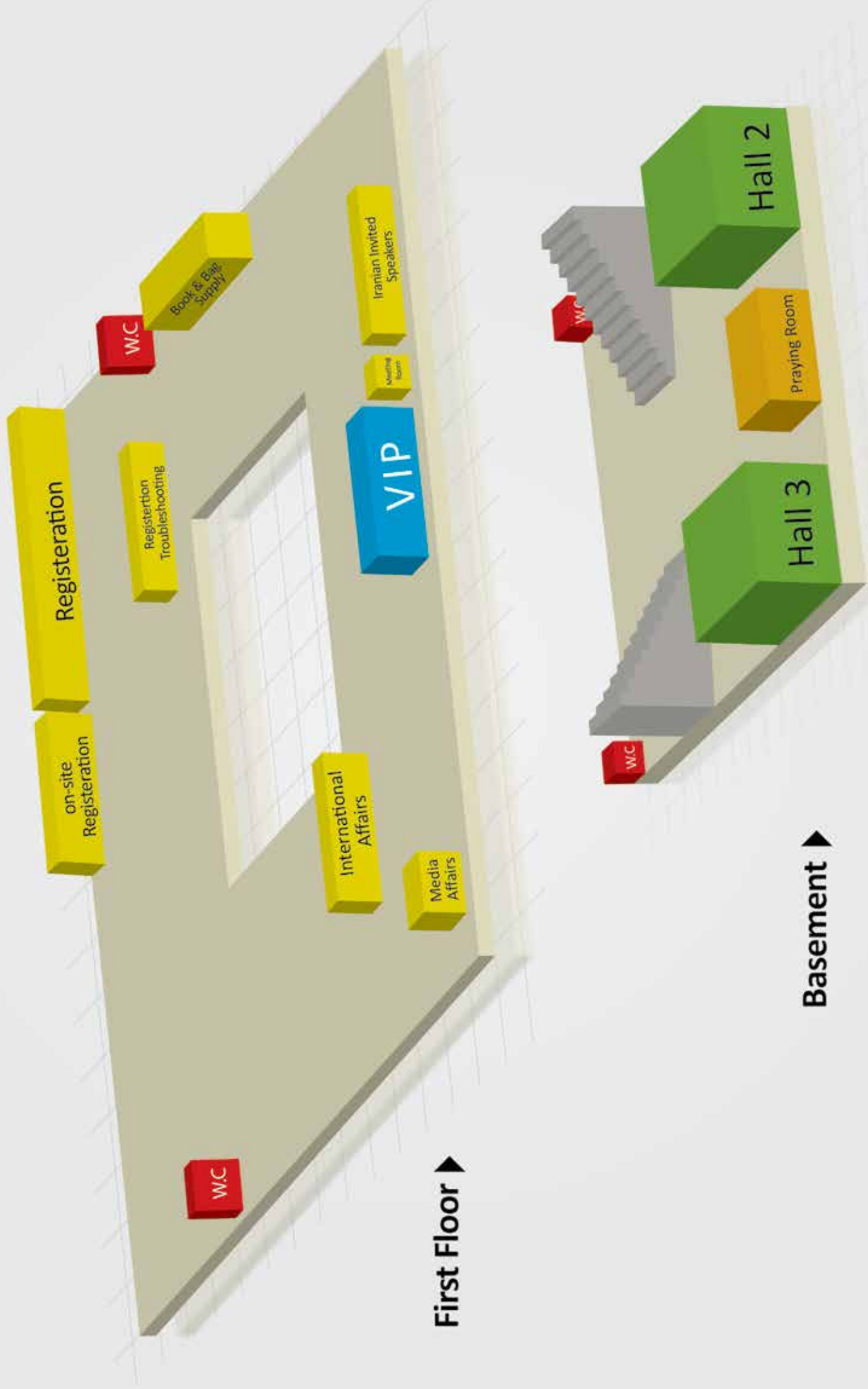
August 30, 2019, 11:00 – 13:00, Hall 1

Recent Advances in Stem Cells and Regenerative Medicine (Part II)	
Chairpersons: E. Sharif, A. Crawford, Y. Tahamtani, R. Moghaddasali	
11:00-11:25 Alexander Crawford (Norway)	Translational Biodiscovery: Identifying and Developing New Drugs from Nature
11:30-11:55 Ehsan Sharif (Iran)	Importance of Preclinical Imaging for Performing Cutting-edge Research

12:00-12:10 Wahyu Widowati (Indonesia)	Breast Cancer Subtypes of Indonesian Patients Based on CD44/ CD24 Expression and Immunohistochemical Analysis
12:15-12:25 Bahar Mahdavi (Iran)	Design, Construction and Functional Evaluation of a Poly- cistronic Episomal Vector with the Aim of Human iPS Cell Induction
12:30-12:40 Reza Bagherzadeh (Iran)	Single-Cell Transcriptome of <i>Dugesia Japonica</i>
12:45-13:00	Concluding Remarks and Discussion

August 30, 2019, 13:00 – 14:00, Hall 1(Joint Session for Two Congresses)

Closing Ceremony

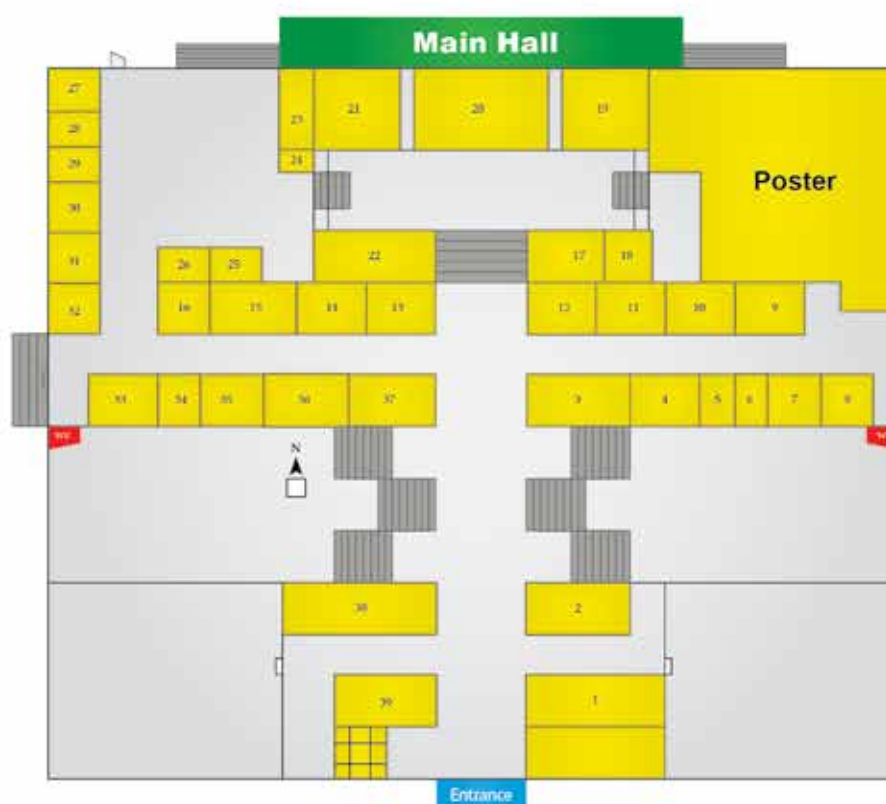


First Floor ▶

Basement ▶

Exhibitors

Royan Cord Blood Bank	1	Cinnagen	20
Cell Tech Pharmed	2	Gostaresh Danesh Pezeshki	21
Abureyhan	3	Danesh Pajooresh Fajr	22
Daryan Darou	4	Sakkan Teb	23
Press Exhibition	5	Idehvarzan	24
Press Exhibition	6	Mahan Darou Darman	25
Press Exhibition	7	Mahan Darou Darman	26
Press Exhibition	8	NGO Groups	27
Press Exhibition	9	NGO Groups	28
Niknam Sanat Azema	10	NGO Groups	29
Salamat Yar Hakim	11	NGO Groups	30
Ferring	12	Ozhan Afarin	31
Merck	13	Fonnoon Azemayeshgahi	32
Pouyesh Darou	14	Zhina Teb	33
Tehran Jarrah Novin	15	Tebkaran	34
Homa Pharmed	16	Cobel Darou	35
Idehal Gen&Cell	17	Actoverco	36
Imen Gostar	18	Behestan Darou	37
Pion Parto	19	Viralian Group	38



Ground Floor

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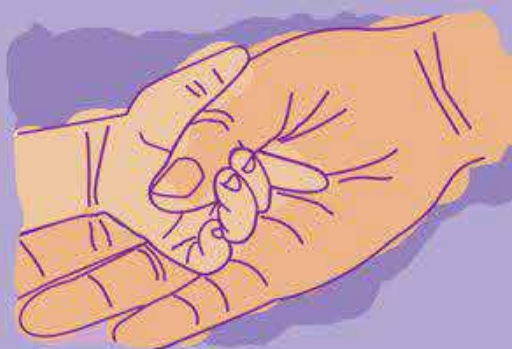
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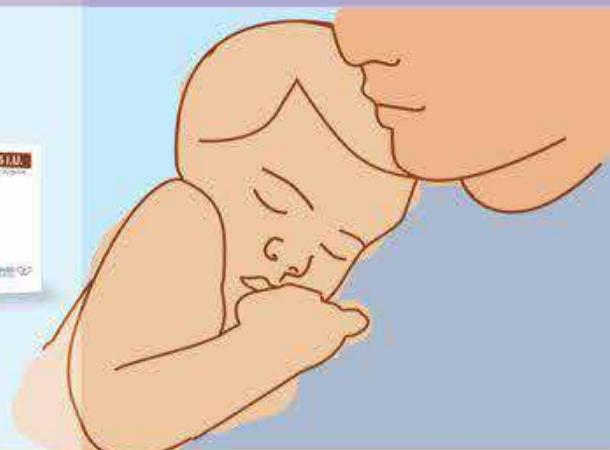
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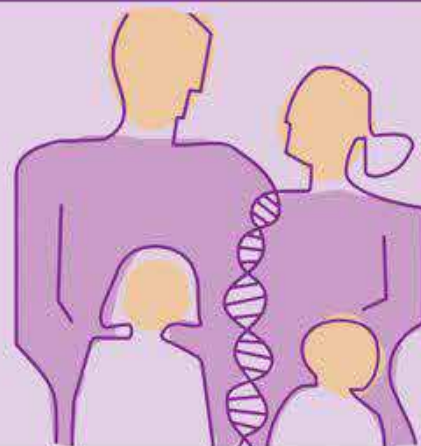
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