
International Invited Speakers

Title



Dr. Mohsen Adeli

Guest Professor at the Free University of Berlin, Germany

18th Congress on Stem Cell Biology and Technology

Functional two-dimensional polyols for biomedical applications



Dr. Ashok Agarwal

Research Director of the American Center for Reproductive Medicine, Global Andrology Forum, USA; *Former Head of Andrology Center at Cleveland Clinic Foundation*

23rd Congress on Reproductive Biomedicine

Keynote lecturer

New generation artificial intelligence-powered andrology diagnostics offers a total solution for male infertility



Dr. Fatemeh Ajalloucian

Associate Professor at Technical University of Denmark (DTU), Denmark

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Multilayer nano-microstructures for smart drug delivery



Dr. Zahra Anvar

Instructor at Baylor College of Medicine, Houston, USA

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Chairperson in “Animal models and reproductive medicine” session

Transcriptome profiling of Nlrp2-null mice oocytes



Dr. Bartomeu Colom

Senior Staff Scientist at Wellcome Sanger Institute, UK

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Clonal competition in the normal oesophageal epithelium during early carcinogenesis



Dr. Jan Brosens

Co-director at the Centre for Early Life, University of Warwick, UK

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New insight into embryo implantation and miscarriage



Dr. Francisco Carmona

Chief of Gynecology at the Hospital Clinic of Barcelona, Spain; *Current President of Endometriosis and Uterine Disorder Society (SEUD)*

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Chairperson in “Endometriosis: Clinical presentation and imaging features” session

Endometrioma management in the infertile patients



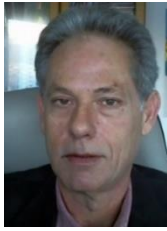
Dr. Charles Chapron

Head of the Department of Obstetrics and Gynecology II and Reproductive Medicine, Cochin University Hospital, France; *Former president of Endometriosis and Uterine Disorder Society (SEUD)*

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Chairperson in “Endometriosis: Clinical presentation and imaging features” session

Why endometriosis must be considered as a systemic disease?



Dr. Maurizio Dattilo

R&D Director, Parthenogen, Switzerland

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Metabolic checkpoint for
gametes and embryo
reproductive competence



Dr. Isabelle Demeestere

Responsible for the Oncofertility Unit at
the Fertility Clinic- CUB Erasme / Director
of the Research Laboratory on Human
Reproduction at ULB, Belgium

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**Chairperson in
“Cryopreservation for adult
and prepubertal patients at
risk of infertility” session**

Indication and success of
ovarian tissue cryopreservation



Dr. Cinzia Santa Di Pietro

Associate Professor of Biology and
Genetics, University of Catania, Italy

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Non-coding RNAs in ovarian
follicle microenvironment and
their altered expression in
reproductive aging



Dr. Joel R. Drevet

Chair and Professor of Reproductive
Biology & Immunology, Clermont
Auvergne University (UCA), Clermont-
Ferrand, France

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Oxidative stress and the
structure and function of
human spermatozoa



Dr. Majid Ebrahimi Warkiani

Professor at the School of Biomedical Engineering, University of Technology Sydney (UTS), Australia

Advanced microfluidic systems for cell sorting and single cell analysis

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Dr. Adolfo Flores-Saiffe

Head of Research at IVF 2.0 Limited, UK

Artificial intelligence as a strategy for single-embryo transfer

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Dr. Stephen Frankenberg

Research Associate at the Department of Zoology, University of Melbourne, Australia

CRISPR conservation: synthetic biology with ecological therapeutic applications

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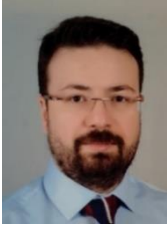
Dr. Aleksander Giwercman

Senior Consultant in Molecular Reproductive Medicine Division at the Department of Translational Medicine, Lund University, Sweden

Chairperson in “Male infertility: Pathogenesis, diagnosis, and treatment” session

Why bother about male infertility? Implications for the male, female, and the children

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Dr. Murat Gul

Assistant Professor of Urology at the Selseuk University School of Medicine, Turkey

Obesity and male infertility:
The effect of obesity on ART
outcomes

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Dr. Jorge Hallak

Full Professor of Medicine in the Faculty of Medicine at the University of São Paulo (FMUSP) and Specialized in Urology at FMUSP, Brazil

SARS-CoV-2 and the impact
of COVID-19 on male
reproductive health and
implications on the use of ART

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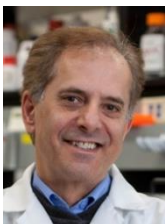


Dr. David Hay

Chair of Tissue Engineering at the Centre for Regenerative Medicine, Institute for Regeneration and Repair, the University of Edinburgh, UK

Building implantable human
liver tissue from pluripotent
stem cells

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Dr. Ali Honaramooz

Full Professor of Veterinary Biomedical Sciences at the University of Saskatchewan, Canada

**Chairperson in “Animal
models and reproductive
medicine” session**

The application of animal
models in preservation of male
fertility

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Dr. Fatima Husain

Associate Professor and the Director of WPH Site for the American University of the Caribbean, IVF Specialist, Thames Valley Fertility, UK

Social and ethical dilemmas faced by Muslim infertile couples worldwide with respect to gamete donation

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Dr. Gilson Khang

Professor at Jeonbuk National University, South Korea

Biocompatibility issues for the regenerative medicinal products

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Dr. Akash Kumar

Co-Founder, Chief Medical and Scientific Officer, MyOme Inc, USA

Expanding the scope of preimplantation genomic testing in IVF

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Dr. Jette Lengefeld

Assistant Professor at the Institute of Biotechnology, HiLIFE, University of Helsinki, Finland

Cell size determines stem cell potential during aging

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Dr. Omid Mashinchian

Team leader and Specialist in Bioengineering and Precision Regenerative Medicine at Nestlé Research, Nestlé Institute of Health Sciences, Switzerland

An engineered multicellular stem cell niche for studying disease, aging, and regeneration

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Dr. Mahsa Mollapour Sisakht

Researcher in Applied Cell Science, Erasmus University Medical Center, Netherlands

Chairperson in “Organoids” session

Alternative 3D matrix for ex vivo expansion of patient-derived bladder organoids and tumoroids: Assessment and characterization

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Dr. Ebrahim Mostafavi

Researcher at the Stanford Cardiovascular Institute, Stanford School of Medicine, USA

Design and development of 3D in vitro models in cardiovascular tissue engineering and regenerative medicine

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Dr. Amir Nasiri Kenari

Researcher at the Tokyo Institute of Technology, Japan

Characterization of extracellular vesicles mimetic-nanovesicles and its therapeutic potential

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Dr. Reza Nosrati

Senior Lecturer at the Mechanical & Aerospace Engineering, Monash Data Futures Institute, Australia

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**Chairperson in
“Reproductive animal
biotechnology: Implications
and potentials” session**

Lab on a Chip device for
fertility



Dr. Andreas Nüssler

Director of Siegfried Weller Institute, BG Clinic, University of Tübingen, Germany

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Hepatocyte-like cells: The
good, the possible, and the
impossible



Dr. Vasantha Padmanabhan

Professor Emerita (in service) at the University of Michigan, USA

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Developmental programming
of metabolic dysfunctions by
testosterone excess



Dr. Bjorn Petersen

Senior Researcher at the Biotechnology Department of Friedrich Loeffler Institute, Germany

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Optimized Cas9: sgRNA
delivery efficiently generates
biallelic MSTN knockout
sheep without affecting meat
quality



Dr. Germar-Michel Pinggera

Professor at the Department of Urology,
Innsbruck Medical University, Austria

Is there a role for antioxidative
management in male infertility
treatment?

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Dr. George Pistofidis

Director of Gynecological Endoscopic
Surgery at Levkos Stavros Clinic / Director
of ACET Laparoscopic Training Centre,
Greece

Surgical aspect of
adenomyosis

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Dr. Alexander Popov

Head of Gynecology and Oncology
Surgery Department in the Moscow
Regional Scientific Research Institute of
Obstetrics and Gynecology, Russia

DIE-related infertility: How
we can improve the
reproductive outcomes

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Dr. Farzin Pourfarzad

Research Director at the Department of
Disease Modeling and Toxicology,
Hubrecht Organoid Technology,
Netherlands

HUB organoids: A translatable
patient-derived in vitro
platform for disease modeling
and drug development

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Dr. Pierre Ray

Coordinator of the DPI Center Grenoble
Alpes, France

New discoveries in genetic
etiologies of infertility

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Dr. Shigeru Saito

President of the University of Toyama,
Japan

**Chairperson in “Repeated
Implantation Failure (RIF)
and Recurrent Spontaneous
Abortion (RSA): Clinical and
molecular aspects” session**

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Repeated Implantation Failure
(RIF) and Recurrent Pregnancy
Loss (RPL): Immunological
aspects



Dr. Denny Sakkas

Scientific Director at Boston IVF, USA

**Chairperson in “Lab
strategies toward single
embryo transfer” session**

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Lab strategies toward single
embryo transfer



Dr. Pietro Santulli

Director of the Reproductive Medicine
Department at Cochin University Hospital,
France

Management of adenomyosis
and infertility: ART

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Dr. Randy Schekman

Investigator and Professor of Cell and Developmental Biology at the Howard Hughes Institute, Department of Molecular & Cell Biology, USA; *Winner of Nobel Laureate in Physiology or Medicine (2013)*

Keynote lecturer

Intercellular transfer of proteins and RNA mediated by cell-cell contact

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Dr. Chun So

Group leader and Assistant Investigator of the National Institute of Biological Sciences, China / Postdoctoral Fellow at the Max Planck institute for multidisciplinary sciences

A missing motor in human meiosis

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Dr. Herman Tournaye

Chairman of Brussels IVF, the Centre for Reproductive Medicine, University Hospital of Brussels, Belgium

Chairperson in “Cryopreservation for adult and prepubertal patients at risk of infertility” session

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Fertility preservation in boys



Dr. Ana Claudia Trocoli Torrecilhas

Associate Professor at Federal University of Sao Paulo (UNIFESP), Brazil

Extracellular vesicles in Chagas disease (infectious disease)

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Dr. Evrim Ünsal

Associate Professor at Yüksek İhtisas University, Faculty of Medicine, Turkey

NGS based male and female infertility panels

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Dr. Alberto Vaiarelli

Medical Scientific Coordinator at Generalife Centers for Reproductive Medicine, Italy

Chairperson in “Challenges affecting outcomes of ART cycles; proven and unproven methods for diagnosis and treatment of infertility” session

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Assisted reproduction techniques challenges and management options



Dr. Ana Ivonne Vazquez-Armendariz

Group Leader for Lung Organoids and Disease Modeling at the Institute of Lung Health, Germany

Use of lung organoids to model development and disease ex vivo

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Dr. Paraskevi Vogiatzi

Founder & Director of Andromed Health & Reproduction, Fertility & Reproductive Health Diagnostic Center, Greece

Chairperson in “Male infertility: Pathogenesis, diagnosis, and treatment” session

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Dr. Hossein Yazdkhasti

Principal Investigator and Embryologist at
CCRM, USA

Toward single embryo
transfer, the power of one

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