Join us this year for the ASRM 75th Anniversary Gala benefitting the ASRM Research Institute during ASRM’s 2019 Scientific Congress & Expo, October 12 – 16, 2019, in Philadelphia, PA.

All Congress attendees are invited to a festive evening of fine dining, mingling and the unveiling of the highly-anticipated Legacy Art Exhibit, celebrating ASRM’s 75th Anniversary.

Sunday, October 13, 2019
6:00 p.m.
National Constitution Center

Black tie optional.

Tickets are $500 per person up to six individuals. Purchase your ticket at www.asrmcongress.org when you register for the Congress. For larger groups or table sales, contact Cara Dawn Byford at cbyford@asrm.org.

All proceeds will benefit the ASRM Research Institute.
THIS YEAR, WE WELCOME YOU TO THE HISTORICALLY RICH CITY OF PHILADELPHIA, PENNSYLVANIA for the 74th annual meeting of the American Society for Reproductive Medicine and celebration of our 75th anniversary as a society! This year's ASRM Scientific Congress & Expo theme is “Celebrating 75 Years of History and Innovation” in keeping with our anniversary and the critical role of ASRM in focusing on the many innovations in reproductive medicine. Dr. Keith Jarvi, Scientific Congress Program Chair, and Dr. Cigdem (Cori) Tanrikut, Pre-Congress Program Chair, and their teams have designed a comprehensive and provocative program for Congress attendees. The entire program is designed to address the educational and practice needs of physicians, nurses, andrology and embryology laboratory personnel, genetic counselors, social workers, practice and laboratory managers, as well as practitioners in mental health, law, and ethics.

OUR WEEKEND BEGINS with exciting Pre-Congress courses that range from the latest on subchromosomal variations and mosaicism and their clinical significance in ART practices to reproductive aging, cryostorage management, ethical and legal issues related ART and family building, and endometriosis diagnosis and management. The Pre-Congress program has initiated half-day courses into the program for the first time to better meet the differing schedules as our attendees arrive. We hope that you will take advantage of these new offerings. The Pre-Congress Program Committee has collaborated with our affiliated societies and professional, special interest groups, and several International Societies as well as other outside Societies to present a wide range of often multi-disciplinary Pre-Congress courses designed to meet the needs of clinicians, scientists, laboratory technologists, nurses, and other health-care and allied professionals.

The Scientific Congress Continuing Medical Education (CME) course offerings will include morning plenary and dual-afternoon lectures, symposia, and interactive sessions. I am excited to share with you that the lectures will touch on historical perspectives again, as well as innovative lectures that focus on communication between generations, exciting new innovations in live imaging to reveal the mechanisms that form embryos, examination of IVF as a business, with a special focus on male factors in infertility, including the effect of sperm factors on offspring, the ethics of human germline editing, a reflection of the patient’s perspective on fertility preservation, as well as the role of big data in healthcare. We will also have a unique presentation on the role of innovation including use of robotics in surgery; and an overview of male contraception from historical and present perspectives, as well as future directions in contraception, the symposia and interactive sessions will touch on a range of topics, from politics and ethics in embryo research, access to care, endometrium therapy, regenerative medical therapies for reproductive medicine, reproductive epigenetics, and egg freezing – both lab as well as family building considerations. CME sessions will be complemented by non-CME activities including intimate, in-depth luncheons with recognized experts in our highly successful Expert Encounters; roundtable luncheons covering the breadth and depth of reproductive medicine; and oral and poster-format scientific abstract presentations, representing cutting-edge research in reproductive medicine and biology.

We welcome our members, trainees, and colleagues from around the world to the ASRM 2019 Scientific Congress & Expo! We value your participation and engagement and hope you will take advantage of the opportunities provided by the meeting to interact and network with colleagues.

I look forward to seeing you in the exciting city of Philadelphia, where together, we will celebrate ASRM’s “75 Years of History and Innovation.” I encourage all to consider joining us at the 75th Anniversary Gala on Sunday night, October 13, 2019 at Philadelphia’s beautiful National Constitution Center where we celebrate the Society’s anniversary and support the research efforts of our Society members to further improve medical care provided by our members.

Sincerely,

Peter N. Schlegel, M.D.
ASRM President, 2018-2019
JOIN US FOR OUR
Opening Ceremony

Monday, October 14th,
7:45 am – 8:30 am

Plenary 1 will immediately follow in the same room.

A complimentary continental breakfast
will be available 7:00 am – 7:45 am
What are you missing?

Have you looked at ASRM members benefits lately? We are consistently adding value for thousands of physicians and other professionals in the field of reproductive medicine. Boost your career with:

**News and Education**
- Access to cutting-edge research in the Society’s peer-reviewed journals, *Fertility and Sterility* and the *Journal of Assisted Reproduction and Genetics*
- Opportunities for continuing education in person and online through ASRM airLearning™ modules, webinars, micro-videos, and certificate courses
- Free access to ASRM QBoost, a program to test your knowledge on the go
- Electronic bulletins from our Washington D.C. office that help you stay up to date on the latest reproductive health policy news
- Access to printable Practice and Ethics committee guidelines

**Specials and Discounts**
- Free CME, CE and PEER credits through ASRM airLearning™
- Members-only rates on ASRM products
- Discount on ASRM Scientific Congress and pre-Congress course registrations

**Professional Development and Recognition**
- Networking opportunities including ASRM Connect, ASRM’s online community platform
- Input into shaping policies and protocols through member groups and ASRM’s access to care efforts
- Listing of providers in the new and improved “Find a Healthcare Professional” directory on www.ReproductiveFacts.org
- Eligibility to receive ASRM research grants and awards

**Online Resources for Members Only**
- Access to an online member login account, which includes current membership information and member group updates
- Full access to the ASRM Membership Directory
- Access to ASRM’s Career Center to help you find qualified job candidates while enjoying member discounts on job postings—or to help you find that perfect job

Learn more by visiting www.asrm.org and clicking on the Membership tab.

**Joining is easy!**
- Join online at www.asrm.org.
- Join by phone at + 1-205-978-5000.
- Or join by visiting us at the ASRM booth during our annual Expo or at other selected meetings throughout the year.
ASRM 2019 Scientific Congress
Program Planning Committees

Peter N. Schlegel, M.D., President
Keith A. Jarvi, M.D., Scientific Congress Program Chair
Steven D. Spandorfer, M.D., Interactive Sessions Chair
Paolo Rinaudo, M.D., Ph.D., Roundtables Program Chair
Cigdem Tanrikut, M.D., F.A.C.S., Pre-Congress Program Chair
Amy Sparks, Ph.D., Pre-Congress Co-Chair
Richard O. Burney, M.D., M.Sc., Pre-Congress Coordinating Chair

Dolores Lamb, Ph.D., Ad Hoc Committee Member
Nancy Kaufman, L.C.S.W., Ad Hoc Committee Member
Amy Sparks, Ph.D., Society for Assisted Reproductive Technology Program Chair

Eve Feinberg, M.D., Society for Reproductive Endocrinology and Infertility Program Chair
Natan Bar-Chama, M.D., Society for Male Reproduction and Urology Program Chair

Steven R. Lindheim, M.D., Society for Reproductive Surgeons Program Chair
Shane Zozula, B.S., Society for Reproductive Biologists and Technologists Program Chair

Lauren Berman, Ph.D., Mental Health Professional Group Program Chair
Lauren Nervi, N.P., Nurses’ Professional Group Program Chair
Heather Ross, J.D., Legal Professional Group Program Chair
Sara Mooney, B.A., Association of Reproductive Managers Program Chair

Richard H. Reindollar, M.D., ASRM Chief Executive Officer
William W. Hurd, M.D., M.P.H., ASRM Chief Medical Officer

Jody Thrash, M.B.A., ASRM Education & Research Program Administrator
Kimberly B. Kretzer, R.N., M.S.N., ASRM Manager, Continuing Education

ASRM VIDEO COMMITTEE

Tommaso Falcone, M.D., Video Program Chair
Balasubramanian Bhagavath, M.B.B.S.
Victor Beshay, M.D.
T. Arthur Chang, Ph.D., E.L.D., H.C.L.D.
Michael Eisenberg, M.D.
Emilio Fernandez, M.D.
Antonio R. Gargiulo, M.D.
James M. Hotaling, M.D., M.S.
Kathleen Hwang, M.D.

Anthony Imudia, M.D.
Grace Janik, M.D.
Edward D. Kim, M.D.
Steven R. Lindheim, M.D.
Philip S. Li, M.D.
Marius Meintjes, D.V.M., Ph.D.
Charles Miller, M.D.
Ceana H. Nezhat, M.D.

John Nichols, Jr, M.D.
Dana A. Ohi, M.D.
John Petrozza, M.D.
Marc P. Portmann, M.T., M.H.A., E.L.D.
Salli Tazuke, M.D.
Mark Trollice, M.D.
Togas Tulandi, M.D.

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2018 – 2019

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Catherine Racowsky, Ph.D., President-Elect
Hugh Taylor, M.D., Vice President
Christos Coutifaris, M.D., Ph.D., Immediate Past President
Richard Paulson, M.D., Past President
Michael Thomas, M.D., Secretary
James Toner, Jr., M.D., Ph.D., Treasurer

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AND THEIR MEMBER SOCIETIES

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Bradley Hurst, M.D. (SREI)
Bala Bhagavath, M.B.B.S. (SRS)

ASRM CHIEF EXECUTIVE OFFICER

Richard H. Reindollar, M.D.

ASRM CHIEF MEDICAL OFFICER

William Hurd, M.D.
### PRE-CONGRESS

**SATURDAY, OCTOBER 12, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>8:15 am - 12:00 pm</td>
<td>PC01 Subchromosomal Variations and Mosaicism: Clinical Significance in Assisted Reproductive Technology (ART) Practices</td>
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<tr>
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<td>PC02 Fertility Preservation: 2019 and Beyond</td>
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<td>PC03 New Medical Information Involving Gamete Donors: Medical, Legal, and Ethical Considerations</td>
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<td>PC04 Cryostorage Management and the Lost Art of Assisted Reproductive Technology (ART)</td>
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<td>PC05 The Skinny on Obesity</td>
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<td>PC06 Strengthening Your Core Business While Achieving and Sustaining Growth</td>
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<td></td>
<td>PC07 Managing Assisted Reproductive Technology (ART) Patient Stress and Anxiety: Integrative Mind-body Approaches</td>
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<td>PC08 Early Pregnancy Loss: Maternal Factors in Implantation and Receptivity</td>
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<tr>
<td>5:15 pm</td>
<td>PC09 Gay Men Parenting: A Decade of Change in the Legal, Medical, Societal, and Psychological Landscape</td>
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<tr>
<td>5:15 pm</td>
<td>PC10 The Transgender Couple and Infertility: A Complicated Journey</td>
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</tbody>
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**SUNDAY, OCTOBER 13, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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</thead>
<tbody>
<tr>
<td>8:00 am - 3:45 pm</td>
<td>PC11 Reproductive Aging: Meeting the Challenges in Clinical and Laboratory Practice</td>
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<td>PC12 Next-generation Assisted Reproductive Technology (ART): Personalized Reproductive Medical Management</td>
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<td>PC13 First 20 Years of Stem Cells: From First Isolation to Clinical Use</td>
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<td>PC14 How to Optimize Assisted Reproductive Technology (ART) Success: From Lab to Clinic</td>
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<td>PC15 Testicular Biopsy: Converting Diagnostic Measures into Efficient Laboratory/Intracytoplasmic Sperm Injection (ICSI) Outcomes</td>
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<td>PC16 Polycystic Ovary Syndrome: at the Crossroads of Metabolism and Reproduction</td>
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<td>PC17 Transparency in Assisted Reproductive Technology (ART): Understanding the Global Legal, Ethical, and Psychosocial Issues of Information Disclosure in ART Today</td>
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<td>PC18 Challenging Reproductive Surgical Scenarios to Optimize Fertility</td>
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<td>PC19 Male Reproduction: the Road to Fertility with Bumps on the Way</td>
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<td>PC20 Endometriosis: from Diagnosis to Therapeutic Strategy (an ASRM-SEUD joint course)</td>
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<td>PC21 How to Debate the Scientific Literature With Real World Examples</td>
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<td>PC22 Why the Lab is Fab: In Vitro Fertilization (IVF) through the Eyes of an Embryologist</td>
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<td>PC23 Dietary Supplements and Fertility: Emerging Evidence and Clinical Guidance</td>
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<td>PC24 Therapies for Uterine Fibroids</td>
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<td>PC25 Interprofessional Approach to Manage Reproductive Failure due to Elevated Sperm DNA Fragmentation: from Etiologies to Diagnostic Approaches and Management Strategies</td>
</tr>
</tbody>
</table>

**SUNDAY, OCTOBER 13, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 am - 3:45 pm</td>
<td>Society for Reproductive Endocrinology and Infertility (SREI) Members' Retreat</td>
</tr>
<tr>
<td>3:00 pm - 5:00 pm</td>
<td>Personal finance for Physicians Workshop</td>
</tr>
<tr>
<td>6:00 pm</td>
<td>ASRM 75th Anniversary Gala National Constitution Center</td>
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<tr>
<td>Time</td>
<td>Event</td>
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<tr>
<td>7:00 am - 7:45 am</td>
<td>Continental Breakfast</td>
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<tr>
<td>7:45 am - 8:30 am</td>
<td>Opening Ceremony</td>
</tr>
<tr>
<td>8:30 am - 9:15 am</td>
<td>Plenary</td>
</tr>
<tr>
<td>9:00 am - 12:00 pm</td>
<td>Poster Setup</td>
</tr>
<tr>
<td>9:15 am - 10:00 am</td>
<td>Plenary</td>
</tr>
<tr>
<td>10:00 am - 10:45 am</td>
<td>Break</td>
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</tbody>
</table>
| 10:45 am - 12:15 pm | Scientific Congress Prize Paper Session 1  
Oral Abstract Sessions |
| 11:00 am - 12:00 pm | MHPG Clinical Session       
Research Isn’t Just for Nerds: The Easy How-To’s of Conducting Publishable Research in the Field of Reproductive Medicine |
| 12:15 pm - 1:15 pm | Break/Lunch                                                          |
| 12:30 pm - 2:00 pm | Resident Learning Session                                             |
| 1:30 pm - 2:30 pm | Interactive Sessions                                                  |
| 1:30 pm - 2:30 pm | MHPG Clinical Session       
The Trauma of Infertility and Pregnancy Loss: Helping Our Patients Heal |
| 2:35 pm - 3:20 pm | Plenary                                                             |
| 2:35 pm - 3:20 pm | Plenary                                                             |
| 3:20 pm - 4:15 pm | Break                                                               |
| 4:15 pm - 5:30 pm | Symposia                                                             |
| 4:15 pm - 5:30 pm | Video Session 1                                                       |

**Plenary Talks**

- President’s Guest Lecture: Closing the Generational Gap Between Practitioners and Patients
- Camran Nezhat, M.D. Lectureship in Innovations in Medicine: Using Live Imaging to Reveal the Mechanisms That Form the Mammalian Embryo
- Camran Nezhat, M.D. Lectureship in Innovations in Medicine: Using Live Imaging to Reveal the Mechanisms That Form the Mammalian Embryo
- The David and Rosemary Adamson Lecture on Excellence in Reproductive Medicine: Midnight’s Broken Toll: Male Fertility and the Health of Future Generations

**Symposia**

- ABOG - Kenneth Ryan Ethics Symposium: Ethics in Embryo Research: In Consideration of Patients, Progeny and Professional Norms
- Are Specialized Sperm Function Tests Clinically Useful?
- New Updates on Therapies for Infertility in Polycystic Ovary Syndrome (PCOS)
- Management of Infertility in Low Resource Settings
- The New Modern Family: Family-building and co-parenting in the 21st Century
- Oogonial Stem Cells to Improve Oocyte Quality and Ovarian Reserve: Fact or Fiction?
- How to Build High Functioning Teams in the Embryology Lab
- The Endometrium and Recurrent Pregnancy Loss
- ESHRE Symposium: Looking Beyond the XX Factor
- ISAR Symposium: Infertility & Tuberculosis
- MEFS Symposium: Controversies in ART
- SSR Symposium: Fertility Preservation- Existing and Emerging Fertility Preservations Options for Women and Men
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>6:30 am - 7:45 am</td>
<td>Poster Abstract Session and Continental Breakfast</td>
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<tr>
<td>7:00 am - 8:00 am</td>
<td>Women's Council Breakfast</td>
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<tr>
<td>8:30 am - 9:15 am</td>
<td>Plenary</td>
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<tr>
<td>9:15 am - 10:00 am</td>
<td>Plenary</td>
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<tr>
<td>10:00 am - 10:45 am</td>
<td>Break</td>
</tr>
<tr>
<td>10:45 am - 12:15 pm</td>
<td>Scientific Congress Prize Paper Session 2</td>
</tr>
<tr>
<td>12:15 pm - 1:15 pm</td>
<td>Break/Lunch</td>
</tr>
<tr>
<td>1:30 pm - 2:30 pm</td>
<td>Medical and lifestyle treatment options in PCOS, more than just metformin</td>
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<tr>
<td>2:45 pm - 3:30 pm</td>
<td>Menopause Keynote Lecture: Future Directions on the Management of Menopause</td>
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</tbody>
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**TUESDAY, OCTOBER 15, 2019**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:30 pm - 2:30 pm</td>
<td>MHPG Clinical Session</td>
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<tr>
<td>2:45 pm - 3:30 pm</td>
<td>Plenary</td>
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<tr>
<td>2:45 pm - 3:30 pm</td>
<td>SRS Lecture: Innovation for Surgery: Surgical Robotics and The Fifth Generation – Non-Invasive Procedures</td>
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<tr>
<td>3:30 pm - 4:15 pm</td>
<td>Break</td>
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<tr>
<td>4:15 pm - 5:30 pm</td>
<td>Symposia</td>
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<tr>
<td>4:15 pm - 5:30 pm</td>
<td>Video Session 2</td>
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</tbody>
</table>

**SCHEDULE-AT-A-GLANCE**
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:30 am - 7:45 am</td>
<td>Poster Abstract Session and Continental Breakfast</td>
</tr>
<tr>
<td>8:00 am - 8:45 am</td>
<td>Plenary</td>
</tr>
<tr>
<td>8:45 am - 9:15 am</td>
<td>ASRM Members’ Meeting and Congress Prize Presentation</td>
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<tr>
<td>9:15 am - 10:00 am</td>
<td>Plenary</td>
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<tr>
<td>10:00 am - 10:45 am</td>
<td>Break</td>
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<tr>
<td>10:45 am - 12:15 pm</td>
<td>Oral Abstract Sessions</td>
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<tr>
<td>11:00 am - 12:00 pm</td>
<td>MHPG Clinical Session</td>
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<tr>
<td>12:15 pm - 1:15 pm</td>
<td>Break/Lunch</td>
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<tr>
<td>12:30 pm - 2:00 pm</td>
<td>Resident Learning Session</td>
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<tr>
<td>1:30 pm - 2:30 pm</td>
<td>Interactive Sessions</td>
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<tr>
<td>2:45 pm - 3:30 pm</td>
<td>Keynote</td>
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<tr>
<td>2:45 pm - 3:30 pm</td>
<td>Keynote</td>
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<tr>
<td>3:30 pm - 3:45 pm</td>
<td>Break</td>
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<tr>
<td>3:45 pm - 5:00 pm</td>
<td>Symposia</td>
</tr>
<tr>
<td>3:45 pm - 5:00 pm</td>
<td>Video Session 3</td>
</tr>
</tbody>
</table>
ASRM Scientific Congress Policies and Disclaimers

CANCELLATION POLICY
The American Society for Reproductive Medicine reserves the right to cancel this activity due to unforeseen circumstances. In the event of such cancellation, the full enrollment fee will be returned to the registrant.

REFUND/NON-ATTENDANCE POLICY
Cancellations received before or by September 13th will receive a full refund minus a $150 processing fee. Cancellation requests must be submitted in writing. Cancellations received after September 13th will not be eligible for a refund.

ADA STATEMENT
The American Society for Reproductive Medicine fully complies with the legal requirements of the Americans with Disabilities Act (ADA) and the rules and regulations thereof. Please notify the American Society for Reproductive Medicine, 1209 Montgomery Highway, Birmingham, Alabama, USA, 35216, telephone 1-205-978-5000, a minimum of 10 working days in advance of the event if a reasonable accommodation for a disability is needed.

EQUAL OPPORTUNITY STATEMENT
The American Society for Reproductive Medicine values and promotes diversity among its members, officers, and staff. The Society prohibits discrimination toward any member or employee due to race, color, religion, age, gender, sexual orientation, national origin, citizenship, disability, military status, or other basis prohibited by law. ASRM strives to achieve gender, racial, and ethnic balance in hiring and governance. ASRM maintains policies, procedures, and personnel actions that conform to the letter and spirit of all laws and regulations pertaining to equal opportunity and nondiscrimination in employment, appointments, and elections to office.

DISCLAIMER STATEMENT
The content and views presented in this educational activity are those of the faculty/authors and do not necessarily reflect those of the American Society for Reproductive Medicine. This material is prepared based on a review of multiple sources of information, but it is not exhaustive of the subject matter. Therefore, healthcare professionals and other individuals should review and consider other publications and materials on the subject matter before relying solely upon the information contained within this educational activity to make clinical decisions about individual patients.

Registration and Information
Choices may be limited on-site. Pre-registration is recommended.

ON-SITE REGISTRATION DESK: PENNSYLVANIA CONVENTION CENTER
Friday, October 11 ............. 2:00 pm – 6:00 pm
Saturday, October 12 .......... 7:00 am – 6:00 pm
Sunday, October 13 .......... 7:00 am – 5:00 pm
Monday, October 14 .......... 7:00 am – 5:00 pm
Tuesday, October 15 .......... 7:00 am – 5:00 pm
Wednesday, October 16 ....... 7:00 am – 2:00 pm

BE SURE TO VISIT THE EXPO HALL
Monday, October 14 .......... 9:00 am – 5:00 pm
Tuesday, October 15 .......... 9:00 am – 5:00 pm
Wednesday, October 16 ....... 9:00 am – 2:00 pm

Children under 16 are allowed on the Expo Floor only when accompanied/supervised by an adult. No strollers allowed.

Register online at www.asrmcongress.org and receive immediate confirmation!
## Registration Information

### Pre-Congress Course Registration Fees

<table>
<thead>
<tr>
<th></th>
<th>Early Bird by 9/13/2019</th>
<th>Late/On-site after 9/13/2019</th>
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<tbody>
<tr>
<td><strong>ASRM Member (Doctoral)</strong></td>
<td></td>
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</tr>
<tr>
<td>One 1-day course*</td>
<td>$500</td>
<td>$575</td>
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<tr>
<td>Two 1-day courses*</td>
<td>$875</td>
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<td>Half-day Course**</td>
<td>$250</td>
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<td><strong>ASRM Member (Non-Doctoral)</strong></td>
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<td>Two 1-day courses*</td>
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<td>Half-day Course**</td>
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<td><strong>Non-ASRM Member (Doctoral)</strong></td>
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<td>One 1-day course*</td>
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<td>Half-day Course**</td>
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<tr>
<td><strong>Medical Resident-in-Training, Fellow, Team Member from your office/practice</strong></td>
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<tr>
<td>One 1-day course*</td>
<td>$400</td>
<td>$475</td>
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<td>Two 1-day courses*</td>
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<td>Half-day Course**</td>
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* PC01 – PC08 and PC11 – PC20 1-day courses
** PC09 – PC10 and PC21 – PC25 half-day courses

### Scientific Congress Registration Fees

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<th>Early Bird by 9/13/2019</th>
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<td><strong>Full-time Student</strong> (Full-time medical students and full-time graduate students working toward first doctorate; documentation required)</td>
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### Ticketed Events

- **Spouse/Guest Program** $150 $150
  (Spouse/Guest registration badge includes Opening Ceremony, Expo Hall, Plenary Sessions, and Hospitality Room Monday - Wednesday)
- **Roundtable Luncheons** $60/day
  (You may attend only one Roundtable Luncheon per day)
- **Expert Encounters** $50/day
- **Women’s Council Breakfast** $50
  Tuesday, October 15, 2019, at 7:00 am
- **SREI Members’ Retreat** $250
  Sunday, October 13, 2019, 8:00 am - 3:45 pm
- **Workshop** $25
  Sunday, October 13, 2019, 3:00 pm - 5:00 pm
  Personal Finance for Physicians
- **75th Anniversary Gala** $500
  Sunday, October 13, 2019, 6:00 pm
  to benefit the ASRM Research Institute

### Morning Poster Sessions

Poster Sessions will be held on Tuesday and Wednesday mornings from 6:30 am until 7:45 am
Complimentary continental breakfast will be available.
No reservation is required.
Miss a poster you want to know more about? Try PosterPlus via the ASRM Mobile App!
Registration Information

Book in the ASRM Housing Block and save $50 off registration fees!

**Individual Registration** for the ASRM 2019 Scientific Congress & Expo opens April 23, 2019.

**Group Registration** for the ASRM 2019 Scientific Congress & Expo opens April 23, 2019.

To register, visit:
1. www.asrmcongress.org and click on
2. ASRM Congress and then
3. Register for 2019 Scientific Congress & Expo

Use your ASRM 2019 Preliminary Program as a guide to register for the courses you wish to attend.

For questions, please call (571) 549-4539 or email asrmregistration@spargoinc.com.

Register early to take advantage of discounted rates!

**Early Bird Deadline: September 13, 2019**

Cancellations received before or by September 13, 2019 will receive a full refund minus a $150 processing fee.

Cancellations received after September 13, 2019 WILL NOT BE ELIGIBLE FOR A REFUND.

Cancellation requests must be submitted in writing to asrmregistration@spargoinc.com.

For those attendees requiring visas, the online letter of invitation will display once you complete your registration. We suggest that you register early in order to submit your visa application in a timely manner.

Cancellations received after September 13, 2019, WILL NOT BE ELIGIBLE FOR A REFUND.

**ADMISSION BADGES**
Name badges will be issued for the Pre-Congress and Scientific Congress and are required for admission. Spouse/guest badges will be issued and are required for admission to the Opening Ceremony, Plenary Sessions, and the Expo Hall. Badges must be worn at all times.

**PHOTO/AUDIO/VIDEO RECORDING**
Photographing or audio/video recording of any session for personal or commercial purposes without permission is prohibited.
Philadelphia Hotel Information

1. Aloft Philadelphia Downtown
2. Four Points by Sheraton City Center Hotel
3. Hampton Inn Philadelphia Convention Center
4. Hilton Garden Inn Philadelphia Convention Center
5. Home2 Suites by Hilton
6. Le Meridien Philadelphia
7. Loews Philadelphia Hotel
8. Philadelphia 201 Hotel
9. Philadelphia Courtyard by Marriott (soon to be The Notary)
10. Philadelphia Marriott Downtown *
11. The Ritz-Carlton, Philadelphia

NEW THIS YEAR; all official ASRM hotels are within walking distance to the convention center. Please note that since all hotels are within walking distance, shuttle bus transportation will not be provided.

* Headquarters Hotel
Continuing Professional Development:
Continuing Medical Education | Continuing Education Credits

ASRM Continuing Education Programs
The goal of ASRM is to sponsor educational activities that provide learners with the tools needed to conduct research, practice the best medicine, and provide the best, most current care to patients.

ASRM adheres to the Essentials and Policies of the Accreditation Council for Continuing Medical Education (ACCMCE). CME activities must address specific, documented, clinically important gaps in physician knowledge, competence, or performance; be documented to be effective at increasing physician knowledge, competence, performance, or outcomes; and conform to the ACCME Standards for Commercial Support.

All planners and presenters disclose commercial and financial relationships pertaining to reproductive medicine. These disclosures were reviewed by the Subcommittee for Standards for Commercial Support of the ASRM CME Committee and the Executive Program Committee, which resolved perceived potential conflicts of interest.

How to Claim Continuing Medical Education/Continuing Education Credits
For Pre-Congress Courses:
• Attend your course.
• Complete an evaluation and a post-course assessment using a web link emailed to you 1 day after the course.
• Print your certificate.

For the Scientific Congress:
• Attend the Congress sessions of your choice.
• Complete an evaluation and a post-Congress assessment for the sessions you attended using a web link emailed to you 1 day after the Congress.
• Print your certificate.

Final date to claim credit is December 31, 2019.
Email questions to education@asrm.org.

The Accreditation Council for Continuing Medical Education (ACCME)
The American Society for Reproductive Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

ASRM 2019 Scientific Congress Designation Statement
The American Society for Reproductive Medicine designates this live activity for a maximum of 13.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ASRM 2019 Pre-Congress Program Designation Statement
The American Society for Reproductive Medicine designates Pre-Congress Courses 1–8 & 11–20 for a maximum of 6.5 AMA PRA Category 1 Credits™ per course. Course 24 is approved for a maximum of 2.75 AMA PRA Category 1 Credits™. Courses 09, 21, 23, and 25 are approved for a maximum of 3.0 AMA PRA Category 1 Credits™. Courses 10 and 22 are approved for a maximum of 3.5 AMA PRA Category 1 Credits™.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American College of Obstetricians and Gynecologists (ACOG)
Application will be made to the American College of Obstetricians and Gynecologists for assignment of Cognates to the Scientific Congress and selected Pre-Congress Courses.

American Board of Bioanalysis (ABB)
Application will be made to the American Board of Bioanalysis for Professional Enrichment Education Renewal (PEER) credits for the Scientific Congress and selected Pre-Congress Courses.

Nursing Credits: National Association of Nurse Practitioners in Women’s Health (NPWH)
Application will be made to the Continuing Education Approval Program of the National Association of Nurse Practitioners in Women’s Health for the Scientific Congress and Pre-Congress Course 10.

American Psychological Association (APA)
The Mental Health Professional Group (MHPG) of the American Society for Reproductive Medicine is approved by the American Psychological Association to sponsor continuing education for psychologists. MHPG maintains responsibility for this program and its content. CE credits will be available for Pre-Congress Courses 07, 09, 10, and 17; MHPG Symposia I, II, III; MHPG Clinical Sessions 01-04; and other selected sessions.

National Association of Social Workers (NASW)
Application has been made to the National Association of Social Workers for Pre-Congress Courses 07, 09, 10, and 17.

National Society of Genetic Counselors (NSGC)
Application will be made to the National Society of Genetic Counselors (NSGC) for Category 1 contact hours for Pre-Congress Courses 01, 03, and 11, and selected sessions in the Scientific Congress. Participants requesting NSGC CEUs will have a service fee of $30 added to their meeting registration to cover payment to the National Society of Genetic Counselors for the filing and awarding of CEU certificates.

The following may receive honoraria and/or discounted or free registration:
Plenary, Symposia, and Interactive Session speakers, and Pre-Congress faculty. Honoraria are not provided for Roundtable presenters, Oral and Poster Abstract presenters, and Video presenters.

Disclosures of faculty and presenters for the Pre-Congress and Scientific Congress may be in a presentation slide, printed material, or oral statement, and will be printed in the ASRM Final Program. Abstract authors’ disclosures will be printed in the 2019 Program. Roundtable and Expert Encounter presenters should provide a copy of their disclosure to participants at their table.
ASRM 2019 Pre-Congress Program

SATURDAY, OCTOBER 12, 2019

PC01  Subchromosomal Variations and Mosaicism: Clinical Significance in Assisted Reproductive Technology (ART) Practices
Developed in Cooperation with the Preimplantation Genetic Testing Special Interest Group

Faculty
Semra Kahraman, M.D.  (Co-Chair)
Istanbul Memorial Hospital, Turkey
Svetlana Rechitsky, Ph.D.  (Co-Chair)
Reproductive Genetic Innovations
Eric Forman, M.D.
Columbia University
David Cram, Ph.D.
Berry Genomics Corporation

Needs Assessment and Description
Next-generation sequencing (NGS) in preimplantation genetic testing (PGT) has further confirmed that more than half of preimplantation embryos in assisted reproductive technology (ART) patients of advanced reproductive age are chromosomally imbalanced. A currently emerging problem in pre-selection of embryos for transfer is a high rate of genetic instability, such as chromosomal mosaicism and segmental aneuploidy, throughout preimplantation development. While more research is needed to investigate the origin and clinical significance of these phenomena, the best acceptable policies in a clinical setting should be explored. It is evident that subchromosomal abnormalities and mosaicism may arise in preimplantation embryos through mitotic errors or other possible mechanisms which have become evident with the application of high-resolution NGS (hNGS). According to available experience, 10%–20% of human blastocysts are mosaic and up to 50% may have segmental aneuploidies. The rates of subchromosomal aneuploidy and mosaicism vary in samples obtained from different in vitro fertilization centers, suggesting that they may be technically derived, which should be distinguished from those with biological significance. The variation may be related to the quality of biopsy or the quality of NGS procedures, including the use of laser for biopsy, the efficiency of whole-genome amplification (WGA), and the NGS platforms used for a quantitative assessment of chromosomal copy number. Accumulated experience on the outcome of segmental and mosaic embryo transfers, their types and origin, and reproductive potential depending on specific chromosomes...
involved in mosaicism and segmental aneuploidy should be considered for possible strategies related to the transfer of embryos with mosaicism and segmental aneuploidies. This course will discuss current diagnostic problems as well as advantages and disadvantages of available technologies in regards to better utilization and wider application of PGT in ART. This course is designed for obstetricians/gynecologists, specialty physicians, nurses, laboratory scientists and technologists, geneticists, genetic counselors, and legal professionals.

**ACGME Competency**
Patient Care
Medical Knowledge

**Learning Objectives**
At the conclusion of this course, participants should be able to:
1. Explain the diagnostic implications of detected subchromosomal aneuploidies and mosaicism in biopsy samples of blastocysts.
2. Summarize reproductive potential depending on specific chromosomes involved in mosaicism and segmental variations.
3. Describe the criteria for distinguishing technically derived mosaicism and segmental aneuploidies from ones with biological significance.
4. Discuss the strategies for possible transfer of these embryos in the absence of transferable euploid embryos.

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**PC02 Fertility Preservation: 2019 and Beyond (CME)**
Developed in Cooperation with the Society for Male Reproduction and Urology (SMRU) and the Fertility Preservation Special Interest Group

**Faculty**
Akanksha Mehta, M.D., M.S. (Chair)
Emory University School of Medicine
Pasquale Patrizio, M.D.
Yale University IVF Program
Tommaso Falcone, M.D.
Cleveland Clinic
Joanne Kelvin, M.S.N.
Memorial Sloan-Kettering Cancer Center

**Needs Assessment and Description**
The field of fertility preservation has advanced substantially over the last several years. New insights and innovations have been made in male and female fertility preservation care, both in pre- and post-cancer treatment. Practice gaps exist in female and male fertility preservation, as made evident in recent American Society for Reproductive Medicine (ASRM) Continuing Medical Education (CME) Committee documents. These practice gaps include lack of clear knowledge about optimal female and male fertility potential in survivorship, lack of familiarity regarding fertility preservation counseling, and lack of innovative strategies for prepubescents or those without a functional uterus. Guidelines for fertility preservation in non-oncologic populations are also lacking and require standardization. This course will address these practice gaps while exploring experimental approaches in both males and females that might prove to be mainstay therapies of the future. This live course is targeted for reproductive endocrinologists, urologists, adult and pediatric oncologists, nursing professionals, mental health professionals, and clinical investigators.

**ACGME Competency**
Patient Care
Medical Knowledge

**Learning Objectives**
At the conclusion of this course, participants should be able to:
1. Describe special fertility considerations as well as the optimal reproductive care of male and female patients in survivorship.
2. Discuss uterus transplantation and its past, present, and future direction.
3. Examine reproductive success rates using oocytes and sperm that were cryopreserved prior to the initiation of cancer therapy.
4. Summarize strategies to facilitate fertility preservation education and execution in both males and females.
PC03  New Medical Information Involving Gamete Donors: Medical, Legal, and Ethical Considerations
Developed in Cooperation with the Legal Professional Group (LPG) and the Genetic Counseling Special Interest Group

Faculty
Pamela Callum, M.S. (Chair)
California Cryobank
Amy Vance, M.S., C.G.C.
Bay Area Genetic Counseling
Susan Crockin, J.D.
Crockin Law & Policy Group
Jeanne O’Brien, M.D., M.Sc.
Shady Grove Fertility Center

Needs Assessment and Description
The Centers for Disease Control and Prevention (CDC) and US Surgeon General emphasize the importance of knowing one’s family health history to aid in management of his or her own health. Donor-conceived individuals often have only partial family medical histories, limited to the information self-reported by their donors at the time of entry into a donor program. However, there are numerous cases in which new diagnoses arise or become known in gamete donors, their family members, and donor-conceived individuals, which have been shown to be critical to the health and medical management of biologically related individuals. Updated health information is frequently but inconsistently reported to gamete providers and variably communicated to the relevant parties. The diagnoses reported differ significantly and include: isolated birth defects, multifactorial conditions (for example, autism, autoimmune disease, mental illness), genetic carrier states for recessively inherited disease, and known or possible diagnoses of conditions that are inherited in autosomal dominant manners. The variation in the diagnoses, degree of heritable risk, and actionability of information available make assessment of this information extraordinarily challenging for gamete providers who are tasked with determining its significance to other parties, which may be in part dependent upon the length of time that has elapsed since the donation and use of gametes. The communication or notification of relevant parties is additionally complex because it necessitates determinations as to which populations should be informed, by whom, and what efforts to contact are sufficient. This session will include review of current legislation and case law (for example, duty to warn) and obligations of parties which include gamete donors, reproductive endocrinologists, gamete facilities, primary physicians, and intended parents. We will discuss best practice recommendations for consents and agreements among the parties, as well as a summary of current strategies for collecting, assessing, and tracking original and new medical information in these populations. This course is for physicians, embryologists, nurses, mental health providers, genetic counselors, attorneys, and administrators to inform health-care providers of the regulations related to these processes, increase awareness of the legal issues, and explain how to manage risks and information as these situations arise.

ACGME Competency
Professionalism
Interpersonal and Communication Skills

Interprofessional Competency
Values/Ethics for Interprofessional Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Compare the approaches for family history screening and tracking of updates involving gamete donors.
2. Summarize the limitations of family history evaluations and explain the possibility of future medical history updates to prospective recipients.
3. Develop a clinic policy on how to manage newly reported donor information.
Technology (ART)
Developed in Cooperation with the Society of Reproductive Biologists and Technologists (SRBT)

Faculty
Mitchel C. Schiewe, Ph.D. (Chair)
Ovation Fertility
Thomas “Rusty” Pool, Ph.D.
Fertility Center of San Antonio
Donald Fish, B.S.
California Cryobank Life Sciences

Needs Assessment and Description
Training embryologists has become an urgent need in today’s growing assisted reproductive technology (ART) industry without the luxury of long instructional programs. Embryologists entering today’s in vitro fertilization (IVF) labs have fewer opportunities to learn or optimize certain IVF lab skills which also prepare them for problem-solving and understanding why certain practices are performed. Commercialization of product manufacturing for ART is both a blessing and a curse. It has improved quality control (QC) but at the sacrifice of embryologists learning some advanced yet fundamental techniques. This course will address many of the QC needs in today’s IVF lab with an emphasis on cryostorage management to prevent catastrophic loss. This course is designed for embryologists, physicians, laboratory technicians, administrators, and all allied health professionals who would like to gain knowledge about laboratory basics and quality control, as well as better prepare and improve their QC programs and cryostorage management.

ACGME Competency
Systems-based Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Review the importance of cryostorage management.
2. Discuss the history and current state of today’s IVF lab.
3. Optimize laboratory QC practices.
PC05 The Skinny on Obesity
Developed in Cooperation with the Society for Reproductive Endocrinology and Infertility (SREI) and the Society for Male Reproduction and Urology (SMRU)

Faculty
Eve C. Feinberg, M.D. (Co-Chair)
Northwestern University Feinberg School of Medicine
Christina E. Boots, M.D., M.S.C.I. (Co-Chair)
Northwestern University
Janine Kyrillos, M.D., F.A.C.P.
Thomas Jefferson University
Jorge Chavarro, M.D.
Harvard Medical School
John Magaña Morton, M.D., M.P.H.
Stanford University School of Medicine

Needs Assessment and Description
More than one third of US adults are obese. Obesity is associated with significant morbidity in reproductive aged women. Not only does obesity increase the risk of infertility, but it makes the treatment of infertility more complicated. The pathophysiology of obesity is complex; newer treatments are being developed that target the underlying hormonal pathways. Obesity contributes to pregnancy-associated complications both for the mother and neonate. ASRM has reported a knowledge gap and educational need in the pathophysiology of obesity and management options during fertility treatment and pregnancy. This course will address the impact of obesity on fertility and pregnancy. Topics of discussion will include obesity as an endocrine disorder and treatments for obesity such as lifestyle modification, pharmacotherapy, and surgical therapy. This course is designed to increase competence in understanding the impact of obesity and how to best help patients achieve optimal health prior to conception to ultimately result in the birth of a healthy baby. This live course is targeted for reproductive endocrinologists, urologists, general obstetricians/gynecologists, nurses, nurse practitioners, and other allied health professionals in reproductive care to optimize treatment for obese patients of reproductive age.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Discuss the impact of obesity on fertility, pregnancy, and the neonate.
2. Identify which patients would benefit from lifestyle interventions and could be counseled on methods for weight loss.
3. Determine which patients require pharmacotherapy or surgery for weight loss and recommend the most appropriate treatment options.
Strengthening Your Core Business While Achieving and Sustaining Growth

Developed in Cooperation with the Association of Reproductive Managers (ARM)

Faculty
Sara Mooney, B.A. (Chair)
Seattle Reproductive Medicine
Lindsey N. McBain, B.A.
IVI RMA NJ
Brad Senstra, B.S., M.H.A.
Seattle Reproductive Medicine
Blake Welch, M.B.A.
Chicago IVF

Needs Assessment and Description
Management of a reproductive endocrinology and infertility (REI) practice requires a strong team to sustain the business. The health-care field requires special management techniques that are not found in other businesses. It is important for clinical and business units to work together to achieve a successful practice. This course is designed to provide key skills, tools, and business knowledge to strengthen and grow (know when to expand a line of services) all levels and sizes of practices. This live activity is designed for administrators, managers, supervisors, physicians, nurses, and all professionals involved in optimizing an REI practice.

ACGME Competency
Systems-based Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Discuss tools to strengthen teams and increase retention.
2. Recommend resources to best utilize patient services and financial counselors to optimize performance and leverage patient retention.
3. Describe strategies to expand a line of service to convert patients, increase conversion rates, and know when to grow their market.
PC07 Managing Assisted Reproductive Technology (ART) Patient Stress and Anxiety: Integrative Mind-body Approaches

Developed in Cooperation with the Mental Health Professional Group (MHPG) and the Complementary and Integrative Medicine Special Interest Group

Faculty
Carmelo Sgarlata, M.D. (Chair)
ORM Fertility
Alice D. Domar, Ph.D.
Harvard Medical School
University of California, San Francisco

ACGME Competency
Patient Care
Interpersonal and Communication Skills

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Define and describe integrative methods in the ART clinic.
2. Analyze evidence of effectiveness or efficacy of integrative approaches.
3. Summarize methods of integration for mind-body patient support into the ART clinic.
4. Examine the physiological impact of anxiety and depression on the reproductive system.
5. Describe how acupuncture could impact both pregnancy rates and patient distress levels during ART.
6. Assess the research on the psychological aspects of infertility as well as the research on the efficacy of psychosocial interventions.

Needs Assessment and Description
Recent research indicates that stress is the most common reason why insured infertility patients terminate treatment before achieving pregnancy. In addition, symptoms of anxiety and/or depression are reported by the majority of women undergoing infertility. Taking care of highly distressed patients can take a toll on the entire health-care team. Supporting patients undergoing assisted reproduction treatments is vital to their overall psychological and reproductive well-being. Many patients need concrete interventions to reduce the psychological burden of assisted reproductive technology (ART). This course will present evidence-based integrative mind-body approaches to support patients facing infertility-related stress, such as mindfulness, mind-body programs, and acupuncture. Methods will be presented to incorporate integrative mind-body therapies with usual care using examples from two in vitro fertilization centers that have successful integrative care programs. This live activity is designed for physicians, nurse practitioners, nurses, nutritionists, fellows, residents, mental health professionals, and allied health providers, this course will review integrative mind-body therapies.
PC08 Early Pregnancy Loss: Maternal Factors in Implantation and Receptivity
Developed in Cooperation with the Early Pregnancy Special Interest Group

Needs Assessment and Description
Recurrent early pregnancy loss (REPL) affects up to 5% of the reproductive population. One in four pregnancies end in clinical miscarriage and approximately 5% of reproductive-aged women have had more than one miscarriage. As women delay childbearing, the incidence of miscarriage is increasing. The most common cause of first-trimester miscarriage is a genetic issue in the embryo which can be addressed with expectant management and hope for a euploid embryo or in vitro fertilization (IVF) with preimplantation genetic testing (PGT) to screen for euploid embryos, which is a costly and invasive option. However it is important to exclude other factors that could increase miscarriage risk prior to turning to assisted reproductive technologies to treat women with recurrent pregnancy loss. ASRM identifies evaluation and management of recurrent early pregnancy loss as an educational need. This live activity is designed to review evidence surrounding the maternal contribution to early pregnancy loss including anatomical, endocrine, infectious, immune, lifestyle, obesity, and environmental factors. The course is targeted to reproductive endocrinologists, obstetricians/gynecologists, and any medical providers investigating and treating women during conception and the early pregnancy phase. Evidence-based investigations will be discussed as well as strategies to enable clinicians to investigate and manage maternal contribution in early pregnancy loss.

Faculty
Lora Shahine, M.D., F.A.C.O.G. (Chair)
Pacific NW Fertility and IVF Specialists
Kristin Bendikson, M.D.
Keck School of Medicine of the University of Southern California, Los Angeles
Fertility Associates of Memphis
Steven Spandorfer, M.D.
Weill Medical College of Cornell University
Dana B. McQueen, M.D., M.A.S.
University of California, San Diego

ACGME Competency
Medical Knowledge
Patient Care

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Describe maternal factors associated with early pregnancy loss.
2. Summarize an evidence-based evaluation for recurrent early pregnancy loss.
3. Demonstrate knowledge of evidence-based treatment options for maternal factors surrounding early pregnancy loss.
SATURDAY, OCTOBER 12, 2019  HALF DAY, 8:15 AM - 12:00 PM

PC09  Gay Men Parenting: A Decade of Change in the Legal, Medical, Societal, and Psychological Landscape

Developed in Cooperation with the Legal Professional Group (LPG), Mental Health Professional Group (MHPG), and the LGBTQ Special Interest Group

This half-day course is approved for a maximum of 3.0 AMA PRA Category 1 Credits™.

Faculty
Kim Bergman, Ph.D. (Chair) 
Growing Generations
Angela Lawson, Ph.D. 
Northwestern University
Will Halm, J.D. 
International Reproductive Law Group

Needs Assessment and Description
Practitioners of assisted reproductive technology (ART) routinely offer fertility treatment to patients who identify as lesbian, gay, bisexual, or transgender (LGBT). However, much of the focus in research and in clinical practice is on female patients who present for fertility treatment. The literature and clinical focus is relatively limited for the growing number of gay men presenting for fertility treatment. Although gay men represent a minority of patients presenting for treatment, the use of surrogacy by gay men has been steadily increasing since the “gay baby boom” of the 1990s. Although there is limited research on gay men who use surrogacy to grow their families, they are likely to be at risk of discriminatory behaviors similar or greater than that experienced by lesbian and transgender patients at some fertility clinics. Social stereotypes about who should be allowed to parent and their assumed motivations for parenthood can be particularly harmful for men who conceive. Even in the absence of discriminatory behaviors, gay male patients must overcome similar and unique obstacles compared to lesbian, transgender, and bisexual patients undergoing fertility treatment. In addition to the social and treatment-related obstacles, gay male patients must also face the ambiguous legal and social status for children conceived by all LGBT couples. Although federal marriage is now the law of the land, many parenting laws have yet to be altered to provide parenting rights to gay families. Further, the uniqueness of gay male parenting via surrogacy and egg donation is associated with other recent legal cases and highlights the importance of the provision of appropriate counseling to gay male patients who desire family-building via fertility treatment. Multiple unique treatment issues could arise during the course of fertility treatment with gay male patients that may expose these patients to unnecessary emotional risk. A partner’s gametes could not result in desired outcomes. If two gestational carriers are employed and one miscarries, does not get pregnant, or conceives a child with medical challenges while the other woman does not experience such events, this may expose the partners to risk of psychological distress, resentment, and relationship discord. To address these issues, increased awareness and attention is needed from ART practitioners, clinic staff, mental health professionals, and attorneys. This session will address and update the medical, psychosocial, ethical, and legal issues in treating gay male patients and will provide direction to providers for how to address these issues in their clinics. This live course is designed for physicians, nurses, nurse practitioners, attorneys, psychologists, administrators, and other allied health professionals.

ACGME Competency
Interpersonal and Communication Skills
Professionalism

Interprofessional Competency
Values/Ethics for Interprofessional Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Review legal issues that arise for gay male couples pursuing fertility treatment.
2. Summarize psychological issues surrounding gay male patients who present for fertility treatment.
3. Examine their own clinic practices and determine what changes should be made to make their clinic a safer and supportive environment for gay male patients.
4. Describe unique treatment-related ethical issues that may arise in the course of fertility treatment with gay male patients.
PC10  The Transgender Couple and Infertility: A Complicated Journey  
Developed in Cooperation with the Legal Professional Group (LPG), Mental Health Professional Group (MHPG), Nurses' Professional Group (NPG), and the LGBTQ Special Interest Group

This half-day course is approved for a maximum of 3.5 AMA PRA Category 1 Credits™.

Faculty
Jennifer M. Wood, R.N, B.S.N. (Chair)  
Shady Grove Fertility Center
Jamie M. Joseph, Ph.D.  
Private Practice
Marjorie E. Dixon, M.D.  
Anova Fertility and Reproductive Health

Needs Assessment and Description
The entire reproductive team needs a robust understanding of the complexities of transgender patients, particularly in light of the ever-changing landscape of patients seeking fertility treatment. Collaboration is critical between the fertility team, mental health professionals, legal professionals and other LGBTQ resources. Fertility health-care providers and support staff need to be aware of resources available to support transgender couples faced with infertility, even when fertility preservation measures have been completed before their transition. An ASRM Gap Analysis identified fertility treatment and fertility preservation in the lesbian, gay, bisexual, and transgender (LGBT) population as an educational need to improve practice awareness and transgender patient experience in family-building. The course will explore some of the challenges transgender patients face which are further compounded when they are finding themselves struggling with infertility. It will focus on recognizing the emotional and medical needs of transgender patients pursuing fertility treatment and will examine the unique challenges of patients seeking fertility preservation after transitioning as well as considerations for adolescents before beginning transition hormones. In addition, this educational program will address some of the legalities of transgender patients including but not limited to changing their sex on legal documentation and its impact upon seamless patient care. This live course is targeted to reproductive endocrinologists, mental health professionals, nurses, nurse practitioners, legal professionals, and other professionals in reproductive care to address psychological, ethical, and legal issues in treating transgender patients.

ACGME Competency
Patient Care
Professionalism

Learning Objectives
At the conclusion of this course, participants should be able to:
1.  Summarize the complexities of fertility treatment in transgender patients and identify various areas in practice and marketing that could improve the patient experience.
2.  Explain the importance of mental health providers in fertility support as well as emotional support with the difficult decisions that transgender patients are faced with for treatment.
3.  Identify common misconceptions related to transgender patients and couples and provide resources for staff to better understand the patient journey.
4.  Discuss various legalities regarding sex and gender, legal documentation issues, as well as consenting adolescents for fertility preservation.
SUNDAY, OCTOBER 13, 2019

PC11 Reproductive Aging: Meeting the Challenges in Clinical and Laboratory Practice
Developed in Cooperation with the Turkish Special Interest Group

Faculty
Kutluk Oktay, M.D., Ph.D. (Chair)
Yale University School of Medicine
Murat Sonmez, M.D.
Ankara University School of Medicine
Aleksander Rajkovic, M.D.
University of Pittsburgh
Nanette Santoro, M.D.
University of Colorado, Denver

Needs Assessment and Description
The consequences of reproductive aging affect both women and men. While many practitioners are aware of the significance of reproductive aging, some might have limited understanding of its underlying mechanisms, possible diagnostic approaches, and potential treatments. An ASRM Gap Analysis identified a significant education and training gap on the known mechanisms of reproductive aging, due at least in part to recent rapid advances in preimplantation genetic diagnosis technology. The goals of this activity are to update practitioners on available laboratory and clinical remedies in addressing reproductive aging while providing insight into areas of development and research. Lectures and discussions by the expert faculty will strengthen the skills of practitioners dealing with clinical and laboratory challenges related to reproductive aging. This live course is designed for reproductive endocrinologists, embryologists, fellows, researchers, patient advocates, genetic counselors, geneticists, and nurses.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Develop diagnosis and treatment strategies for individuals with reduced gamete reserve.
2. Identify genetic methods to diagnose gametes and embryos affected by the reproductive aging process.
3. Summarize the known mechanisms of reproductive aging.
4. Describe future treatments for reproductive aging that are in trials or in development.

Fertility and Sterility
The editorial team at Fertility and Sterility is pleased to announce a special Journal Club Global live from The ASRM 2019 Scientific Congress & Expo to discuss a recently published article. This exciting event will be streamed live on Saturday, October 12, 2019, at 5:15 pm (EST). Please join us live in Philadelphia or register to watch online.
PC12 Next-generation Assisted Reproductive Technology (ART): Personalized Reproductive Medical Management
Developed in Cooperation with the Middle Eastern Fertility Society (MEFS)

Faculty
Johnny Awwad, M.D. (Co-Chair)
American University of Beirut
Mohamed Aboulghar, M.D. (Co-Chair)
Egyptian IVF Center
Alan Penzias, M.D.
Boston IVF
Matheus Roque, M.D., Ph.D.
ORIGEN - Center for Reproductive Medicine, Rio de Janeiro, Brazil

Needs Assessment and Description
Significant advancement in the field of assisted reproduction lately has favored personalizing treatment recommendations on the basis of individual patient characteristics. As the number of clinical, hormonal, and genetic biomarkers available to physicians has increased, predictive models that integrate multiple variables have become attractive strategies to guide medical decision-making for the purpose of bringing greater efficiency and safety to reproductive practices. The burden of medical information has grown so rapidly and controversially over the past few years that reaching a level of understanding has become challenging and confusing to the individual physician. This activity appraises scientific evidence which evaluates the pros and cons of current reproductive practices with the aim of developing best practice models while leveraging the significance of relevant biomarkers and the contribution of clinical variables. Through an active learning format that evolves around team-based problem-solving of clinical vignettes, this course will help clinicians, embryologists, scientists, and allied health professionals update and gain basic and advanced knowledge of treatment and management protocols based on individual patient characteristics.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Design ovarian stimulation protocols tailored to patients’ individual characteristics.
2. Demonstrate safe strategies to trigger final oocyte maturation without compromising outcome.
3. Identify clinical parameters associated with improved outcomes related to freeze-all policy.
4. Evaluate the advantages of a day-5 versus day-3 embryo transfer.
5. Develop a management approach to improve the use of elective single-embryo transfer while maximizing benefit.

Due to the team-based learning format, this course is limited to 100 participants.
PC13 First 20 Years of Stem Cells: From First Isolation to Clinical Use

Developed in Cooperation with the European Society of Human Reproduction and Embryology (ESHRE)

Faculty
Cristina Eguizabal, Ph.D. (Chair)
Unidad de Terapia Celular y Celulas Madre
Susana Chuva de Sousa Lopes, Ph.D.
LUMC Leiden
Nuria Montserrat, Ph.D.
Institute for Bioengineering of Catalonia, Spain
Bernard Roelen, Ph.D.
Utrecht University, Netherlands

ACGME Competency
Medical Knowledge

Learning Objectives
At the conclusion of this seminar, participants should be able to:
1. Review the history of human pluripotent stem cells (hPSC).
2. Discuss the development of the field of stem-cell research.
3. Summarize the use of stem cells in regenerative medicine and clinical applications.

Needs Assessment and Course Description
The 20th anniversary of the derivation of human pluripotent stem-cell (hPSC) lines offers an ideal opportunity to look back over the past 20 years in this field, as well as to look forward to what the future may hold. This Pre-Congress course will review the history of hPSC derivation in the context of the scientific and technical environment at the time, then proceed to give a historical account of the development of the field of stem-cell research with a special emphasis on regenerative medicine and clinical applications. This course for embryologists, stem-cell researchers, reproductive genetic researchers, physicians, nurses, genetic counselors, and all allied health professionals will help bridge the gap between the past and future clinical research of stem cells.
How to Optimize Assisted Reproductive Technology (ART) Success: From Lab to Clinic
Developed in Cooperation with and presented by the Chinese Special Interest Group

Faculty
Rong Li, M.D., Ph.D. (Chair)
Peking University Third Hospital
Yanwen Xu, M.D.
First Affiliated Hospital of Sun Yat-sen University
Huailiang Feng, Ph.D., H.C.L.D.
New York-Presbyterian Health System Affiliate Weill Cornell Medical College
Ge Lin, M.D., Ph.D.
Reproductive and Genetic Hospital of CITIC-XIANGYA

Needs Assessment and Description
In the last decades, human in vitro fertilization (IVF) has become more successful, more tolerable, and easier to perform. The IVF laboratory has improved significantly in the past three decades with new media and equipment for embryo cultures and a significant amount of new scientific knowledge. Additional technologies extending the scope and efficiency of IVF have been developed and implemented, including intracytoplasmic sperm injection, preimplantation genetic testing, and cytotechnology which allows for the freezing and storage of sperm, oocytes, embryos, and testicular and ovarian tissue. Even so, fertilization failure continues to be an unpredictable and significant limitation to IVF success. An ASRM Gap Analysis identified optimization of ART success as an educational need; despite technologic advances, when a morphologically normal blastocyst is transferred into a seemingly normal uterus during IVF, the reproductive success of a cycle is very limited and has not significantly improved since the 1990s. This course will involve current clinical and laboratory issues such as sperm deoxyribonucleic acid (DNA) fragmentation index (DFI), artificial intelligence technology in ART, oocyte cryopreservation, and genomic technology. The course is targeted to assist physicians, laboratory scientists, embryologists, and all health professionals in applying treatment strategies to improve pregnancy outcomes of infertile women.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Summarize factors that may affect pregnancy outcomes of IVF.
2. Discuss possible clinical and laboratory measures to improve the pregnancy outcome of IVF.
3. Describe genomic technology in the field of reproductive health.
PC15 Testicular Biopsy: Converting Diagnostic Measures into Efficient Laboratory/Intracytoplasmic Sperm Injection (ICSI) Outcomes

Developed in Cooperation with the Society for Male Reproduction and Urology (SMRU) and the Society of Reproductive Biologists and Technologists (SRBT)

Faculty
Shane Zozula, B.S. (Chair)
Ovation Fertility
Aaron Spitz, M.D.
Orange County Urology Associates, Inc.
Delores Lamb, Ph.D.
Weill Cornell Medicine Center for Reproductive Medicine
Joseph Alukal, M.D.
New York University School of Medicine

Needs Assessment and Description
The harmonization of urology with clinical and laboratory activities can be challenging as severe male-factor cases can complicate scheduling, consume hours of staff time, and result in unpredictable, substandard specimen-processing outcomes. Are there simpler and more effective ways to attain, process, and cryopreserve testicular sperm that ensure overt post-thaw motility, improved sperm selection, and flexible schedules? Furthermore, how are DNA fragmentation and epigenetic concerns actually influencing clinical and laboratory practices? Meanwhile, diagnostic approaches and clinical preferences have evolved and have been published for the most part on anecdotal beliefs, such as fresh is better than frozen or fresh testicular biopsy (TBx) is better than a poor ejaculated specimen. Much doubt has centered around the concept of reactive oxygen species and its potentially damaging effect to sperm DNA fragmentation index (DFI), but science and theory have yet to be correlated well to clinical outcomes. ASRM has identified gaps in knowledge regarding when to adopt and implement new technology into in vitro fertilization (IVF) laboratories and when to revise protocols to improve patient outcomes and laboratory work flow efficiency. This course will review how diagnostic measures are best integrated into laboratory activities, how pre-freeze in vitro culture and delayed cryopreservation of whole TBx tissue may optimize laboratory activities and patient outcomes. Also discussed will be the role that sperm epigenetic and deoxyribonucleic acid (DNA) fragmentation may play in optimizing laboratory practices. This course is targeted for urologists, embryologists, reproductive endocrinology and infertility physicians, nurses, nurse practitioners, administrators, and clinic staff who want to optimize laboratory activities and patient outcomes.

ACGME Competency
Patient Care
Medical Knowledge
System-based Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Determine how diagnostic measures are best integrated into laboratory activities.
2. Explain when TBx is the preferred option for best practice among all personnel involved.
3. Assess how pre-freeze in vitro culture and delayed cryopreservation of whole TBx tissue optimize laboratory activities and patient outcomes.
4. Evaluate the role that sperm epigenetic and DNA fragmentation may play in optimizing lab practices.
PC16  Polycystic Ovary Syndrome: at the Crossroads of Metabolism and Reproduction
Developed in Cooperation with the Androgen Excess Special Interest Group

Faculty
Daniel A. Dumesic, M.D. (Chair)
University of California, Los Angeles
Oklahoma University Health Sciences Center
Marla E. Lujan, M.Sc., Ph.D.
Cornell University
Joop S.E. Laven, M.D., Ph.D.
Erasmus Medical Centre

Needs Assessment and Description
Women’s health care for polycystic ovary syndrome (PCOS) remains confusing to many health-care providers. Multiple forms of PCOS exist and differ in adverse reproductive and metabolic consequences, ranging from infertility and signs of androgen excess to diabetes and cardiovascular disease. Women with PCOS are often dissatisfied with their health care due to a diagnosis that can be delayed for more than 2 years and visits to three or more health-care providers for confirmation. This course provides an evidenced-based approach to the health care of women with PCOS by integrating lectures relevant to metabolic and reproductive dysfunction with clinical discussions that address the needs of women with PCOS according to age. The course updates knowledge regarding the diagnosis and management of PCOS based upon state-of-the-art technology and addresses early detection of PCOS to optimize the short- and long-term reproductive and metabolic health of women with PCOS and their offspring. This course will assist physicians, nurse practitioners, nurses, nutritionists, fellows, and residents to address the educational needs underlying critical practice gaps by discussing the diagnosis of PCOS, its early warning signs, and providing new information regarding factors impairing fertility and metabolism.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. State how the current criteria for diagnosing PCOS are affected by age.
2. Develop a management plan for the infertile patient with PCOS that optimizes her safety and the health of her offspring.
3. Summarize the indications for diagnosing and treating metabolic dysfunction in women with PCOS.

Due to the team-based learning format, this course is limited to 100 participants.
PC17  Transparency in Assisted Reproductive Technology (ART): Understanding the Global Legal, Ethical, and Psychosocial Issues of Information Disclosure in ART Today
Developed in Cooperation with Legal Professional Group (LPG) and the Mental Health Professional Group (MHPG)

Faculty
Lisa Rinehart, R.N., J.D. (Co-Chair)
LegalCare Consulting
Linda Applegarth, Ed.D. (Co-Chair)
Weill Cornell Medical College of Cornell University
Narelle Dickinson, Ph.D.
Greenslopes Obstetrics and Gynaecology (Australia)
Lisa Campo-Engelstein, Ph.D.
Albany Medical College

Needs Assessment and Description
Recent legislation and case law reflect rapid changes in the world of ART, particularly regarding disclosure of information. Many of these new laws introduce requirements for independent legal counsel and mental health counseling. More comprehensive genetic testing/interventions and availability of commercial DNA tests can influence a parent’s meaningful choice regarding disclosure or non-disclosure. This course is designed to examine the complex collaboration of medical clinics, lawyers, and mental health professionals with intended parents, donors, gestational carriers, significant others, clinic providers, and other parties through donor-assisted reproduction. The intersection of legal, cross-cultural, and ethical considerations of a multidisciplinary team will be explored with an emphasis on appropriate responses to questions about disclosure for various health-care and legal disciplines. This interprofessional course will discuss global legislation, cultural mores and values, ethical concerns, and psychological factors that lead to resistance to disclosure and the maintenance of secrecy, and also demonstrate how ART teams can counsel their clients/patients within appropriate cultural, legal, and ethical frameworks. We will present appropriate ways to approach patients about sensitive issues with consideration of cultural and religious backgrounds. This course for physicians, nurses, nurse practitioners, attorneys, mental health professionals, and practice administrators will assist multidisciplinary providers in maneuvering through the quickly changing legal, sociocultural, and psychological realities that clinicians face in donor-assisted reproduction.

ACGME Competency
Professionalism
Interpersonal and Communication Skills

Interprofessional Competency
Values/Ethics for Interprofessional Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Identify best practices and current standards of care in medical, legal, and mental health approaches to ART.
2. Differentiate how legal, ethical, sociocultural, and psychological realities shape practice and attitudes regarding anonymity, secrecy, and privacy in donor-assisted reproduction.
3. Discuss the increased need for a multidisciplinary approach to ART in all patient populations.
4. Describe how legal regulations may impact disclosure decision-making around the world.
5. Identify how different psychosocial and cultural factors affect attitudes regarding disclosure/non-disclosure for parents and clinicians.
6. Interpret how commercial DNA testing influences the ethics of secrecy and disclosure.
PC18 Challenging Reproductive Surgical Scenarios to Optimize Fertility
Developed in Cooperation with the Society of Reproductive Surgeons (SRS)

Faculty
Steven Lindheim, M.D. (Chair)
Wright State University Integrated OB/GYN Residency Program
John Petrozza, M.D.
Massachusetts General Hospital Fertility Center
Samantha Pfeifer, M.D.
Weill Cornell Medical College of Cornell University
Bala Bhagavath, M.B.B.S.
University of Rochester Medical Center-Strong Memorial Hospital

Needs Assessment and Description
Reproductive surgery continues to play an important role in the treatment of appropriately selected infertility patient. There is a lack of awareness about advanced laparoscopic, endoscopic, and microsurgical techniques, and one in five graduating reproductive endocrinology and infertility (REI) fellows believes that their skill set would be augmented by additional surgical training. This suggests that there is a need for an increased focus on reproductive surgical training, particularly for laparoscopic, endoscopic, and microsurgical techniques. This Pre-Congress course will consist of presentations by experienced reproductive surgeons describing strategies for minimally invasive surgical management of common causes of infertility. This course is designed in a lecture format for recent graduates from fellowship programs and practitioners who wish to enhance their laparoscopic and hysteroscopy skills for challenging scenarios in clinical reproductive infertility to enhance fertility outcome.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Summarize when minimally invasive reproductive surgery is indicated, pearls to help manage specific pathologies, and strategies for managing and minimizing the risks of complications during operative laparoscopy and hysteroscopy.
2. Discuss pelvic and retroperitoneal anatomy and how it applies to myomectomy, extensive endometriosis, ovarian-tubal surgery, septum, cesarean scar isthmocele, Müllerian uterine and vaginal anomalies, and management of complications including bladder and bowel injury.
PC19 Male Reproduction: the Road to Fertility with Bumps on the Way
Developed in Cooperation with the Society for the Study of Reproduction (SSR)

Faculty
Humphrey Hung-Chang Yao, Ph.D. (Chair)
National Institute of Environmental Health Sciences
Tony De Falco, Ph.D.
Cincinnati Children’s Hospital Medical Center
Christopher Geyer, Ph.D.
Brody School of Medicine at East Carolina University
Sarah Kimmins, Ph.D.
McGill University

Needs Assessment and Description
Male reproductive function and fertility involves integration of gene expression, somatic and germ-cell lineages, and environmental inputs during development of the gonads and reproductive tract. Disruptions in these early morphogenic events result in altered body size, metabolism, and immune function, disease susceptibility, and male infertility. Sperm counts have declined 1.4% per year from 1973–2011. Much of this decline in sperm production has been linked to alterations in gonadal development and increased environmental factors such as stress, obesity, and environmental toxins. The purpose of this course is to explore endocrine somatic, immune, and germ-cell lineages and their differentiation in the testis. Furthermore, this course will investigate how genetic and environmental factors may impact male reproductive fertility and health. In an interactive session with the audience, we will also consider genetic and environmental effects on development of the testis and reproductive tract and discuss clinical methods to measure and identify strategies to treat and restore fertility. Clinicians, scientists, embryologists, geneticists, and all health-care professionals will benefit from having more information related to male infertility to use in practice and to explore further research opportunities in male infertility.

This Pre-Congress course complements a Symposium on Monday, October 14, 2019, SSR Symposium:
Fertility Preservation: Existing and Emerging Fertility Preservation Options for Women and Men, which will feature preservation methods and options for women and men.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Differentiate how somatic and germ cells develop in the testis and their impact on the reproductive tract.
2. Discuss the impact of altered cellular differentiation and environment on spermatogenesis.
3. Review the clinical consequences of genetic and environmental inputs on testis development and sperm production.
PC20  Endometriosis: from Diagnosis to Therapeutic Strategy  (an ASRM-SEUD joint course)
Developed in Cooperation with the Society of Endometriosis and Uterine Disorders (SEUD)

Faculty
Felice Petraglia, M.D. (Chair)
University of Florence
Charles Chapron, M.D.
Paris Descartes University
Stacey Mismer, D.Sc., Sc.D.
Michigan State University
Katy Vincent, D.Phil, M.B.B.S
University of Oxford

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Discuss the differential diagnosis of endometriosis with other causes of infertility.
2. Identify a strategic plan for the treatment of young patients with endometriosis.

Needs Assessment and Description
Endometriosis is a common but often misunderstood disease affecting women across the lifespan. Yet, many clinicians and other care providers are not familiar with the etiology, diagnosis, treatment options, and complications of endometriosis. There is an educational need for clinicians who treat patients with infertility and endometriosis to improve knowledge of the hormonal, anatomical, and metabolic aspects of the disorder. This live course on endometriosis will have a multi-level approach, first to develop and enhance knowledge of correct diagnostic approaches, starting from genetic and epigenetic aspects, then to develop and enhance the physician’s awareness of the pathogenesis for understanding the best imaging approach for patients, and finally to lay out all the strategic medical and surgical treatments related to infertility for patients. The course will assist obstetricians/gynecologists, reproductive endocrinology and infertility specialists, nurse practitioners, nurses, allied health providers, fellows, and residents in addressing practical, patient-centered management of endometriosis.
HALF-DAY, 8:15 AM - 12:00 PM

PC21  How to Debate the Scientific Literature With Real World Examples
Developed in Cooperation with Fertility and Sterility

This half-day course is approved for a maximum of 3.0 AMA PRA Category 1 Credits™.

Faculty
Kurt Barnhart, M.D., M.S.C.E.
University of Pennsylvania
Micah Hill, D.O.
National Institutes of Health
Suneeta Senapati, M.D., M.S.C.E.
University of Pennsylvania Perelman School of Medicine
H. Irene Su, M.D., M.S.C.E.
University of California, San Diego

Needs Assessment and Description
Clinicians and health professionals are constantly called upon to decide what treatment is best, evaluate the efficacy of new and standard treatments, and assess if a therapy is cost-effective. The medical literature, and the press, are replete with claims of scientific evidence supporting a claim. Not all experts agree on what is considered strong evidence. There is often debate in the medical literature as to when a therapy is preferred or inferior and it is often difficult to assess who wins a debate on a scientific subject. Is one medication better than another? When should a technology be introduced or rejected? The ASRM needs assessment outlines the need to interpret evidence-based practice of reproductive medicine and assessment of new technologies. This course will review the quality of scientific evidence and how one presents and defends one’s position on a scientific topic. Skills will be reviewed on how to formulate an opinion based on evidence, how to present a strong argument, and if an argument is based on strong scientific underpinnings. We will examine the scientific evidence supporting some of the most frequently employed practices in reproductive medicine such as fresh versus frozen transfer, preimplantation genetic testing for aneuploides (PGT-A), intracytoplasmic sperm injection (ICSI) for non-male factor infertility, and single- versus double-embryo transfer. This live activity will involve the audience by exploring what makes good scientific evidence, how does one present a case for strong evidence, and how can one tell that a proposed point of view is not based on evidence. Themes discussed will include: Can you ever trust observational data? When can a randomized controlled trial steer you wrong? What is a conflict of interest, its implications, and how can we use the data? The perspective will be from editors of scientific journals and consumers of the medical literature. This course is for clinicians, scientists, and allied health professionals in reproductive medicine.

ACGME Competency
Practice-based Learning and Improvement
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Utilize the hierarchy of scientific evidence to assess a scientific claim in the medical literature.
2. Describe how to present a strong specific argument for or against a medical topic such as fresh versus frozen transfer, evidence to support PGT-A, the use of ICSI for non-male factor infertility, and the benefit of endometrial scratching.
3. Summarize strong and weak arguments in a scientific debate.
SUNDAY, OCTOBER 13, 2019  HALF DAY, 1:15 PM - 5:00 PM

PC22  Why the Lab Is Fab: In Vitro Fertilization (IVF) through the Eyes of an Embryologist
Developed in Cooperation with the Society for Assisted Reproductive Technology (SART) and the Society of Reproductive Biologists and Technologists (SRBT)

This half-day course is approved for a maximum of 3.5 AMA PRA Category 1 Credits™.

Faculty
Sangita Jindal, Ph.D.
Montefiore Institute for Reproductive Medicine and Health
Kristen Ivani, Ph.D., H.C.L.D.
Reproductive Science Center of the San Francisco Bay Area
Michael Lee, M.S.
Fertility Solutions, P.C. and Massachusetts Fertility Center, L.L.C.

Needs Assessment and Description
The success of assisted reproductive technology (ART) relies upon an interdisciplinary team that continuously measures the effectiveness of each discipline’s activities and overall outcomes, and is able to discuss and resolve problems when targets are not met. The in vitro fertilization (IVF) laboratory has had a number of changes in practice and performance expectations in the recent past. This course will give physicians, nurses, nurse practitioners, practice managers, scientists, and technicians a better understanding of the workflow, procedures, and strategies for quality management that embryologists employ to optimize laboratory performance.

ACGME Competency
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Explain how clinical decisions may impact key performance indicators in the IVF laboratory.
2. Describe the daily quality control, procedures, and other activities that are performed in the IVF laboratory.
3. Summarize the key performance indicators and elements that compose an effective IVF laboratory quality management program.
SUNDAY, OCTOBER 13, 2019  HALF DAY, 8:15 AM - 12:00 PM

PC23  Dietary Supplements and Fertility: Emerging Evidence and Clinical Guidance
Developed in Cooperation with the Endometriosis Special Interest Group and the Nutrition Special Interest Group

This half-day course is approved for a maximum of 3.5 AMA PRA Category 1 Credits™.

Faculty
Sunni Mumford, Ph.D.
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Holly Harris, M.P.H., Sc.D.
Fred Hutchinson Cancer Research Center
Alex Polotsky, M.D., M.S.
Georgetown University

Needs Assessment and Course Description
The direct-to-patient marketing of supplements is a large and growing industry; supplements are increasingly used by both men and women in an effort to boost their fertility. However, evidence is limited regarding whether these supplements are beneficial or not. There is limited knowledge among fertility-care providers on how to counsel patients about supplement use and consuming a healthy diet. The 2017-2018 ASRM Gap Analysis identified guidance on natural supplements for fertility and infertility as an educational need. This Pre-Congress course will address these knowledge gaps by presenting the latest research from population scientists, reproductive endocrinology and infertility specialists, and registered dieticians, translating this information into usable advice from an expert clinical perspective. There will be an additional focus on the role of supplements with gynecologic conditions such as endometriosis.

This course targeted to primary-care physicians, reproductive-medicine and specialty physicians, physician assistants, nurses, nurse practitioners, laboratory scientists, and dieticians will not only present complementary views across professional groups, but how to interact across disciplines to advance research in this area to obtain the best outcomes for fertility patients.

ACGME Competency
Patient Care

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Summarize current methods utilized to investigate the impact of supplements on fertility and endometriosis and be able to interpret published data on the topic.
2. Describe mechanisms in female and male reproductive physiology that may be impacted by dietary supplements.
SUNDAY, OCTOBER 13, 2019  HALF DAY, 1:15 PM - 5:00 PM

PC24  Therapies for Uterine Fibroids  
Developed in Cooperation with the Fibroids Special Interest Group

This half-day course is approved for a maximum of 2.75 AMA PRA Category 1 Credits™.

Faculty
Digna R Velez Edwards, Ph.D., M.S.
Vanderbilt University Medical Center
William Catherino, M.D., Ph.D.
Uniformed Services University of the Health Sciences
Jeffrey Goldberg, M.D.
The Cleveland Clinic Foundation

Needs Assessment and Description
Fibroids affect a large percentage of reproductive aged women and can be associated with heavy and painful menses, pelvic pain, infertility and pregnancy complications. An increasing number of surgical and nonsurgical treatments have been developed. Depending on reproductive desires, treatment recommendations for fibroids continue to change as research trials and systematic reviews of evidence reveal new knowledge about comparative effectiveness. This course will provide an update on the latest developments and current best practices in the clinical management of patients with uterine fibroids, including data from evidence-based research and clinical practice. The course is designed for clinicians, clinical scientists, and basic researchers.

ACGME Competency
Medical Knowledge
Patient Care

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Describe the state of current research on the effectiveness of fibroid treatments.
2. Summarize the current best practice for the treatment of uterine fibroids.
3. Discuss a broad overview of future directions of fibroid treatments.

Do you know a resident attending the Scientific Congress?

Participants in the ASRM Resident Education Program will attend a flipped-classroom, interactive learning session, led by experts in reproductive medicine and medical education (boxed lunch provided), and a related symposium.

This ASRM-sponsored program (no additional cost to participants) is open to the first 100 residents who opt in at the time they register for the Scientific Program using a dialogue box that will open during the registration process.

Questions? Email Jessica Goldstein at jgoldstein@asrm.org.
SUNDAY, OCTOBER 13, 2019  HALF DAY, 8:15 AM - 12:00 PM

PC25  Interprofessional Approach to Manage Reproductive Failure due to Elevated Sperm DNA Fragmentation: from Etiologies to Diagnostic Approaches and Management Strategies  
Developed in Cooperation with the Society of Reproductive Surgeons (SRS)

This half-day course is approved for a maximum of 3.0 AMA PRA Category 1 Credits™.

Faculty
Peter Chan M.D., C.M., M.Sc., F.R.C.S.(C)., F.A.C.S.  
McGill University
Gianpiero Palermo, M.D., Ph.D.  
Cornell University

Needs Assessment and Course Description
Male factor infertility can be identified in about half of infertile couples. In the remaining couples, unexplained infertility remains one of the most common and challenging diagnostic categories of reproductive failure. Evaluation of sperm DNA and chromatin quality has been a tool in basic science research among spermatologists for decades. Recent studies have found that elevated levels of sperm deoxyribonucleic acid (DNA) fragmentation, a condition undetectable by conventional semen analyses, are associated with adverse reproductive outcomes including prolonged time to pregnancy, poor embryo quality and development, pregnancy loss, and decreased rates of both pregnancy and live-birth. Despite being one of the most successful examples of knowledge translation from basic science to clinical use, standard evaluation methodologies for sperm DNA fragmentation, and thus this test is not yet considered to be a part of the standard evaluation in infertile couples. Further, the most efficacious and cost-effective management options for men with elevated sperm DNA fragmentation remain to be established. This Pre-Congress course will provide a comprehensive review of the latest developments in both basic science aspects and in the clinical values of evaluation for sperm DNA fragmentation. In collaboration with world-renowned experts in multiple disciplines including basic science, andrology, clinical embryology and reproductive urology, we will discuss the etiologies, evaluation approaches, and management strategies of elevated sperm DNA fragmentation in the context of reproductive failure.

ACGME Competency
Medical Knowledge  
Patient Care

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Describe the indications for evaluation of sperm DNA and chromatin integrity in the management of infertile couples.
2. Explain the various methodologies currently available in the evaluation of sperm DNA and chromatin integrity.
3. Discuss various proposed etiologies of abnormal sperm DNA fragmentation and the efficacies of different potential management options for the condition.
Ticketed Events

Ticketed events listed in the daily schedule are marked with a 🎟️ icon.

**SUNDAY, OCTOBER 13, 2019**

8:00 am - 3:45 pm
Society for Reproductive Endocrinology and Infertility (SREI) Members’ Retreat
$250 Fee

This course will focus on concrete, actionable techniques to keep clinical practice patterns current and implement quality control metrics to optimize patient care. These techniques can be applied to improve patient satisfaction, retention and grow your practice. This is a non-CME retreat for SREI members only.

3:00 pm - 5:00 pm
Personal Finance for Physicians Workshop
Stuart S. Howards, M.D.
University of Virginia
$25 Fee

In this non-CME workshop, attendees will receive objective advice and education regarding personal finances (practice finances will not be covered). Topics will include the following: insurance, legal considerations, investments (general principles), retirement investments and planning, savings for college expenses, and estate planning.

**TUESDAY, OCTOBER 15, 2019**

7:00 am - 8:45 am
Women’s Council Breakfast
$50 Fee

**DAILY**

Resident Learning Sessions
Monday, Tuesday, and Wednesday 1
2:30 pm - 2:00 pm
(Lunch provided • registration required)

Expert Encounters

**Roundtable Luncheons**
Monday, Tuesday, and Wednesday
12:15 pm - 1:15 pm
$60 Fee/day

See pages 66 - 71 for a list of roundtable titles and speakers.
These intimate, in-depth luncheon sessions are designed for interaction and exchange with recognized experts in their field. Bring your questions and discussion ideas, and be prepared to engage while you enjoy a boxed lunch during the session. Sign up now for this ticketed event with limited registration.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, October 14,</td>
<td>12:15 - 1:15 pm</td>
<td>Venture Capital, Private Equity, and Assisted Reproduction: Investing in Innovation in IVF</td>
<td>David Sable, M.D.</td>
<td>Columbia University</td>
</tr>
<tr>
<td>2019</td>
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<tr>
<td>Tuesday, October 15</td>
<td>12:15 - 1:15 pm</td>
<td>Human Genome Editing: Roles and Responsibilities of Fertility Clinics</td>
<td>Françoise Baylis, C.M., O.N.S., Ph.D., F.R.S.C., F.C.A.H.S.</td>
<td>Dalhousie University</td>
</tr>
<tr>
<td>2019</td>
<td></td>
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</tr>
<tr>
<td>Wednesday, October</td>
<td>12:15 - 1:15 pm</td>
<td>Male Infertility Case Discussion</td>
<td>John Amory, M.D., M.P.H.</td>
<td>University of Washington</td>
</tr>
<tr>
<td>16, 2019</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
1. We’ve kept lunch! **Lunch** is a designated time, 12:15 pm - 1:15 pm, for either a ticketed lunchtime activity or for you to grab lunch and network with colleagues. Philadelphia offers lots of local spots to enjoy close to the convention center!

2. **Expert Encounters**! This is your opportunity to ask questions and have a dialogue with an expert in select topic areas. Space is limited and these will sell out so book your slot early!

3. Check out our **Roundtable discussions** – 40 Monday, 35 Tuesday, and 30 Wednesday!

4. We’ve brought back **Journal Club Global** – live at our ASRM 2019 Scientific Congress & Expo! The editorial team at *Fertility and Sterility* is pleased to announce a special **Journal Club Global** live from The ASRM 2019 Scientific Congress & Expo to discuss a recently published article. This exciting event will be streamed live on Saturday, October 12, 2019, at 5:015 pm (EST). Please join us live in Philadelphia or register to watch online.

5. Our fully interactive and very useful **meeting app** is a must-have for all Congress attendees. Complete your in-app profile and network with other attendees, locate your next session easily with directions from where you are to where you need to be, and play the **Expo Passport Game** in the app while on-site at the Congress.

6. **PosterPlus** – in addition to the poster sessions on Tuesday and Wednesday mornings, you can view short video presentations about the poster abstracts. Just click on the PosterPlus icon in the app and search by poster number, author name, or title!

7. **Video sessions** have been expanded! Now we have a **Video Program Prize Session** on Monday and two additional video sessions on Tuesday and Wednesday afternoons.

8. **75th Anniversary Gala** Tickets are $500 per person up to six individuals with all proceeds benefiting the ASRM Research Institute. Purchase your ticket at www.asrmcongress.org when you register for the Congress. For larger groups or table sales, contact Cara Dawn Byford at cbyford@asrm.org.
Needs Assessment and Description

The theme of the 2019 Scientific Congress of the American Society for Reproductive Medicine is “Celebrating 75 Years of History and Innovation.” Reproductive medicine covers a broad range of topics from puberty to menopause, in both the female and male. Its depths of focus include basic science, translational and clinical areas. This Scientific Congress will explore advances in reproductive care and cutting-edge research in the field presented by expert scientists and clinicians. The program is balanced between basic and clinical research at all levels, applied medical care, and ancillary fields crucial to family-building including clinical laboratory science, mental health, reproductive law. This live program is designed for physicians, nurses, andrology and embryology laboratory personnel, genetic counselors, social workers, practice and laboratory managers, as well as specialists in mental health, law, and ethics.

The Continuing Medical Education (CME)/Continuing Education (CE) portion of the Scientific Congress will include a wide array of educational activities, including plenary lectures, symposia, and interactive sessions interweaving the theme of this year’s Congress. Plenary lectures will feature exceptional speakers covering a wide range of themes in reproductive research and clinical medicine including: closing the generational gap between practitioners and patients; using live imaging to reveal the mechanisms that form the mammalian embryo; exploring the ethics of human germline editing; and understanding the role of elective egg freezing on the care of infertility patients. Congress symposia will provide more in-depth coverage of basic and clinical subjects. Topics range from ethics in embryo research, usefulness of specialized sperm function tests, new updates on therapies for infertility in polycystic ovary syndrome (PCOS), management of infertility in low resource settings, family building and co-parenting in the 21st century, oogonial stem cells to improve oocyte quality and ovarian reserve; building high functioning teams in the embryology laboratory, the endometrium and recurrent pregnancy loss, looking beyond the XX factor, infertility and tuberculosis, controversies in assisted reproductive technology (ART), fertility preservation options for women and men, regenerative medical therapies for reproductive medicine, access to fertility preservation care from policy to the patient, quality management issues in human ART, marketing your practice in a competitive market, fertility trajectory of Klinefelter syndrome from childhood to adulthood, patient-centered research in uterine fibroids, management of mosaic embryos after PGT-A in ART, oocyte maturation in vitro and female fertility preservation, status of growing gametes and embryos, developing an egg freezing program in your practice, fertility preservation for transgender youth, novel therapies for the treatment of Asherman syndrome, risk management in patient education and consenting, ovarian stimulation protocols to improve results in assisted reproduction, and psychological, medical, and legal aspects of implementing an embryo donation program in a practice.

The interactive sessions cover a wide range of stimulating topics and are meant to be a forum for discussion and interaction, including topics such as non-invasive preimplantation genetic testing, moving hysteroscopy from the operating room to the office, Mullerian classification debate, reproductive epigenetics and mitochondria, environmental threats to reproduction, egg and embryo banking prior to advancing maternal age, insights from vertebrate model reproductive organ regeneration, disclosure implications of intentional and unintentional donor identity, how to handle mosaic embryos, hysterectomy versus utero-vaginal anastomosis to treat cervical agenesis, universal insurance coverage for IVF, key performance indicators for the IVF lab, and innovative approaches to treat dysmenorrhea, miscarriages, primary ovarian insufficiency, and recurrent pregnancy loss. Supplementing the CME/CE program will be non-CME/CE events including roundtable luncheons and Expert Encounters that will provide opportunities for in-depth discussion with experts in small-group settings as well as oral and poster scientific abstract presentations that enable investigators to present cutting-edge scientific research in reproductive medicine and biology. Included in the diverse program are “tracks” for specialty and interest areas that can enable participants to focus on specific topics and identify areas to expand their knowledge. The 2019 Scientific Congress should provide ample opportunity for learning, improvement of clinical competence, and potential scientific collaboration.

Learning Objectives

At the conclusion of the Scientific Congress, participants should be able to:

1. Summarize appropriate treatments for reproductive dysfunctions in females and males at different ages throughout life—childhood, adolescence, adulthood, and reproductive senescence.
2. Discuss the relevance of genetics and genomics to reproductive care.
3. Analyze the ethical, legal, and psychosocial ramifications of reproductive technologies on family building.
4. Apply strategies that simplify technology, reduce costs, and broaden accessibility to assisted reproductive technology care.
5. Examine current knowledge and innovative approaches to treat endometriosis, fibroids, miscarriages, menopause, contraception, polycystic ovary syndrome, Klinefelter syndrome, and Asherman syndrome.
6. Describe how the extensive range of reproductive technologies from the cellular level to clinical application impact family building.
7. Explain the latest scientific advances in embryo biology and assessment to the optimization of embryo transfer.

ACGME Competencies

Interpersonal and Communication Skills
Patient Knowledge
Professionalism
Systems-based Practice

Interprofessional Competencies

Values/ethics for interprofessional practice
Roles/responsibilities
Interprofessional communication
Teams and teamwork
2019 SCIENTIFIC CONGRESS DAILY SCHEDULE

SUNDAY, OCTOBER 13, 2019

8:00 am - 3:45 pm
SREI Members’ Retreat

1:00 pm - 5:00 pm
Poster Setup

3:00 pm - 5:00 pm
Workshop
Personal Finance for Physicians
Stuart S. Howards, M.D.
University of Virginia

10:00 am - 10:45 am
Break

10:45 am - 12:15 pm
Scientific Congress Prize Paper Session 1

10:45 am - 12:15 pm
Oral Abstract Sessions

11:00 am - 12:00 pm
MHPG Clinical Session (Research)
Research Isn’t Just for Nerds: The Easy How-To’s of Conducting Publishable Research in the Field of Reproductive Medicine
Alice Domar, Ph.D.
Boston IVF
Lauri Pasch, Ph.D.
University of California, San Francisco

12:15 pm - 1:15 pm
Break/Lunch

12:15 pm - 1:15 pm
Expert Encounter
Venture Capital, Private Equity, and Assisted Reproduction: Investing in Innovation in IVF
David Sable, M.D.
Columbia University

1:30 pm - 2:30 pm
Interactive Session
Key Performance Indicators for the IVF Lab
Amy Sparks, Ph.D. (Chair)
University of Iowa
Alison Bartolucci, M.S.
University of Connecticut
Dean Morbeck, Ph.D., M.B.A., H.C.L.D.
Fertility Associates, Auckland, NZ

MONDAY, OCTOBER 14, 2019

7:00 am - 7:45 am
Opening Ceremony
Continental Breakfast

7:45 am - 8:30 am
Opening Ceremony

8:30 am - 9:15 am
Plenary
President’s Guest Lecture: Closing the Generational Gap Between Practitioners and Patients
Endowed by a 1987 grant from Ortho Women’s Health
Ryan Jenkins
Speaker, Author, and Inc. Magazine Columnist

9:15 am - 10:00 am
Plenary
Camran Nezhat, M.D. Lectureship in Innovations in Medicine: Using Live Imaging to Reveal the Mechanisms That Form the Mammalian Embryo
Endowed by a 2011 Gift from Camran Nezhat, M.D. Dr. Camran Nezhat pioneered techniques of video-assisted endoscopic surgery, which revolutionized modern day surgery. He along with his brothers, Drs. Farr and Ceana Nezhat, performed some of the most advanced procedures with these techniques for the first time, thus opening the vistas for endoscopic surgeons all over the world.
Nicholas Plachta, Ph.D.
Institute for Molecular and Cell Biology, A*STAR

10:00 am - 10:45 am
Break

10:45 am - 12:15 pm
Scientific Congress Prize Paper Session 1

10:45 am - 12:15 pm
Oral Abstract Sessions

11:00 am - 12:00 pm
MHPG Clinical Session (Research)
How Do We Reach the Goal of Universal Insurance Coverage for IVF?
Jacqueline Ho, M.D. (Chair)
University of Southern California
Sean Tipton, M. A.
ASRM
Erin Kramer, B.A.
ASRM
Barbara Collura, M.A.
RESOLVE

12:15 pm - 1:15 pm
Break/Lunch

12:15 pm - 1:15 pm
Roundtables

12:30 pm - 2:00 pm
Resident Learning Session: Team-based Learning
Divya Kelath Shah, M.D., M.M.E.
University of Pennsylvania
Francoise Baylis, C.M., O.N.S., Ph.D., F.R.S.C., F.L.A.H.S.
Dalhousie University

1:30 pm - 2:30 pm
Interactive Session
An Integrative Approach to Treating Dysmenorrhea Associated with Endometriosis
Peter Harvey, M.B.A., L.Ac., F.A.B.O.R.M. (Chair)
Eastern Healing, Inc.
Charles E. Miller M.D.
The Advanced IVF Institute

1:30 pm - 2:30 pm
Interactive Session
How Do We Reach the Goal of Universal Insurance Coverage for IVF?
Jacqueline Ho, M.D. (Chair)
University of Southern California
Sean Tipton, M. A.
ASRM
Erin Kramer, B.A.
ASRM
Barbara Collura, M.A.
RESOLVE

1:30 pm - 2:30 pm
Interactive Session
No Satisfaction: Psychological and Medical Perspectives on Infertility and Sexual Dysfunction
William D. Petok, Ph.D. (Chair)
Thomas Jefferson University
Elizabeth A. Grill, Psy.D.
Weill Cornell Medical Center
Robert D. Oates, M.D.
Boston University School of Medicine
Kim Bergman, Ph.D.
Growing Generations
1:30 pm - 2:30 pm  
Interactive Session  
**C M E**  
**Moving Hysteroscopy from the Operating Room to the Office: Essentials for Success, Safety, and Patient Satisfaction**  
Steven R. Lindheim, M.D. (Chair)  
Write State University  
Stefano Bettocchi, M.D.  
University of Bari, Italy  
Keith Isaacson, M.D.  
Harvard Medical School  
Brad Senstra, M.H.A.  
Seattle Reproductive Medicine  

1:30 pm - 2:30 pm  
Interactive Session  
**C M E**  
**Non-invasive Preimplantation Genetic Testing (NIPGT): Is it Applicable for ART Practice?**  
Svetlana Rechitsky, Ph.D. (Chair)  
Reproductive Genetic Innovations  
Dagan Wells, Ph.D., I.V.I, R.M.A.  
University of Oxford  
Carlos Rubio, Ph.D.  
Igenomix  
Luca Gianaroli, M.D., S.I.S.M.E.R.  

1:30 pm - 2:30 pm  
Interactive Session  
**C M E**  
**Counseling Patients on Mosaicism**  
JoRene Bigler-Vollman, R.N., M.S.N. (Chair)  
Fertility Centers of Illinois  
Lisa A. Rinehart, J.D., R.N.  
LegalCare Consulting, Inc.  
Andria G. Besser, M.S., C.G.C  
New York University Langone Fertility Center  

1:30 pm - 2:30 pm  
Interactive Session  
**C M E**  
**Best Practices in Miscarriage Management**  
Courtney Schreiber, M.D. (Chair)  
University of Pennsylvania  
Sarah Horvath, M.D.  
University of Pennsylvania  
Sarita Sonalkar, M.D., M.P.H.  
University of Pennsylvania  
Vanessa Dalton, M.D., M.P.H.  
University of Michigan  

2:35 pm - 3:20 pm  
**Lecture**  
**C M E**  
**IVF as a Business**  
Endowed by a 1990 grant from TAP Pharmaceutical  
David Sable, M.D.  
Columbia University  

2:35 pm - 3:20 pm  
**Lecture**  
**C M E**  
**The David and Rosemary Adamson Lecture on Excellence in Reproductive Medicine: Midnight’s Broken Toll: Male Fertility and the Health of Future Generations**  
Endowed by Advanced Reproductive Care, Inc. and Rosemary and David Adamson, M.D.  
University of Newcastle  

3:20 pm - 4:15 pm  
**Break**  
Join us for this special break and celebrate ASRM’s 75th Anniversary with a festive toast and cake.  

4:15 pm - 5:30 pm  
**Symposium**  
**C M E**  
**ABOG - Kenneth J. Ryan Ethics Symposium: Ethics in Embryo Research: In Consideration of Patients, Progeny and Professional Norms**  
Supported by a 2013 endowment from the American Board of Obstetrics and Gynecology  
Alto Charo, J.D. (Chair)  
University of Wisconsin - Madison  
Ben Hurlbut, Ph.D.  
Arizona State University  
Feng Zhang, Ph.D.  
The Broad Institute  

4:15 pm - 5:30 pm  
**Symposium**  
**C M E**  
**Are Specialized Sperm Function Tests Clinically Useful?**  
Armando Zini, M.D., F.R.C.S.C. (Chair)  
McGill University  
Sandro C. Esteves, M.D., Ph.D., M.Sc.  
Campinas, Brazil  
Douglas T. Carrell, Ph.D.  
University of Utah School of Medicine  

4:15 pm - 5:30 pm  
**Symposium**  
**C M E**  
**New Updates on Therapies for Infertility in Polycystic Ovary Syndrome (PCOS)**  
Juhana Tapamainen, M.D., Ph.D. (Chair)  
University of Helsinki, Finland  
Richard S. Legro, M.D.  
Penn State College of Medicine  
Joop B.E. Laven, M.D., Ph.D.  
Erasmus University  

4:15 pm - 5:30 pm  
**Symposium**  
**C M E**  
**Management of Infertility in Low Resource Settings**  
Christopher Hendon, M.D. (Co-chair)  
University of Washington  
Julia V. Johnson, M.D. (Co-chair)  
University of Massachusetts Medical School  
Sheryl Vanderpoel, Ph.D.  
Population Council, W.H.O. (retired)  
Kevin J. Doody, M.D.  
CARE Fertility  
Melissa Harmon, R.N.  
CARE Fertility  

4:15 pm - 5:30 pm  
**Symposium**  
**C M E**  
**The New Modern Family: Family-building and Co-parenting in the 21st Century**  
Linda Kondilis, Psy.D. (Chair)  
Private Practice  
Laurie McKenzie, M.D.  
Baylor College of Medicine  
Heather Ross, J.D.  
Ross & Zuckerman, LLP  
PB
4:15 pm - 5:30 pm
Symposium
CME
Ovarian Tissue Cryopreservation and Transplantation: 20 Years of Progress
Kutluk H. Oktay, M.D., Ph.D. (Chair)
Yale University School of Medicine
Isabelle Demeestere, M.D., Ph.D.
University Libre ded Bruxelles
Nao Suzuki, M.D., Ph.D.
Marianna University

4:15 pm - 5:30 pm
Symposium
CME
How to Build High Functioning Teams in the Embryology Lab
Blake R. Welch, M.B.A. (Chair)
Chicago IVF
G. David Ball, Ph.D.
Seattle Reproductive Medicine

4:15 pm - 5:30 pm
Symposium
CME
The Endometrium and Recurrent Pregnancy Loss
Sony Sierra, M.D., M.Sc., F.R.C.S.C. (Chair)
TRIO Fertility
Steven L. Young, M.D., Ph.D.
UNC School of Medicine
Arri Coomarasamy, Ph.D.
University of Birmingham

4:15 pm - 5:30 pm
ESHRE Symposium:
CME
Looking Beyond the XX Factor
Jackson Kirkman-Brown, M.B.E. (Chair)
University of Birmingham
Adelheid Soubry, Ph.D.
University Leuven

4:15 pm - 5:30 pm
ISAR Symposium:
CME
Genital Kochs and Infertility
Hrishikesh Pai, M.D., M.Sc. (Chair)
Bloom IVF Lilavati Hospital
Jaideep Malhotra, M.B.B.S., M.D.
Rainbow IVF
Madhuri Patil, M.D.
Patil Fertility and Endoscopic Clinic
Firuza Parikh, M.D., D.N.B., Ph.D.
Jaslok Hospital and Research Centre
Rishma Dhillon Pai, M.D.
Lilavati Hospital

4:15 pm - 5:30 pm
MEFS Symposium:
CME
Controversies in ART
University of South Alabama
Richard J. Paulson, M.D., M.S.
University of Southern California
Bruce Shapiro, M.D., Ph.D., H.C.L.D.
Fertility Center of Las Vegas

4:15 pm - 5:30 pm
Symposium
CME
SSR Symposium: Fertility Preservation- Existing and Emerging Fertility Preservation Options for Women and Men
Mary B. Zelinski, Ph.D. (Chair)
Oregon Health & Sciences University
So-Youn Kim, Ph.D.
University of Nebraska Medical Center
Kyle E. Orwig, Ph.D.
University of Pittsburgh

4:15 pm - 5:30 pm
Video Program Prize Session

Tuesday, October 15, 2019
6:30 am - 7:45 am
Poster Abstract Session & Continental Breakfast
7:00 am - 8:00 am
Women’s Council Breakfast
8:00 am - 8:30 am
Pre-Plenary Special Session: Eye on AI: Artificial Intelligence in ART
Cristina Hickman, Ph.D.
Imperial College
Nikica Zeninovic, Ph.D.
Weill Cornell Medicine

8:30 am - 9:15 am
Plenary
CME
Is Human Germline Editing Ethical?
Endowed by a 1990 grant from Astra-Zeneca
Françoise Baylis, C.M., O.N.S., Ph.D., FRSC, FCAHS
Dalhousie University

9:15 am - 10:00 am
Plenary
CME
Planned Oocyte Cryopreservation: A Patient’s Perspective
Endowed by a 1992 grant from Wyeth.
Brigitte K. Adams
Eggsurance

10:00 am - 10:45 am
Break

10:45 am - 12:15 pm
Surgical Video Tutorial: Innovations in Surgical Fertility Preservation
John C. Petrozza, M.D. (Chair)
Massachusetts General Hospital
Kutluck H. Oktay, M.D., Ph.D.
Yale University
Mindy S. Christianson, M.D.
Johns Hopkins University

10:45 am - 12:15 pm
Scientific Congress Prize Paper Session

12:15 pm - 1:15 pm
ASRM CMC Lunch Symposium

12:15 pm - 1:15 pm
Break/Lunch

12:15 pm - 1:15 pm
Expert Encounter: Human Genome Editing: Roles and Responsibilities of Fertility Clinics
Françoise Baylis, C.M., O.N.S., Ph.D., F.R.S.C., F.C.A.H.S.
Dalhousie University

2019 Scientific Congress Daily Schedule
Plenary lectures will be translated simultaneously in Spanish and Mandarin Chinese for members of the audience.
### 2019 SCIENTIFIC CONGRESS DAILY SCHEDULE

**Plenary lectures will be translated simultaneously into Spanish and Mandarin Chinese for members of the audience.**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>12:15 pm - 1:15 pm</td>
<td>Roundtables</td>
<td></td>
</tr>
<tr>
<td>12:30 pm - 2:00 pm</td>
<td>Resident Learning Session: Case Discussions</td>
<td>Ranjith Ramasary, M.D. University of Miami, Elizabeth A. Stewart, M.D. Mayo Clinic</td>
</tr>
<tr>
<td>1:30 pm - 2:30 pm</td>
<td>Interactive Session</td>
<td><strong>CME</strong> Insights from Vertebrate Model Reproductive Organ Regeneration: How Do We Unlock Our Regenerative Potential Kyle E. Orwig, Ph.D. (Chair) University of Pittsburgh, James R. Monaghan, Ph.D. Northeastern University</td>
</tr>
<tr>
<td>1:30 pm - 2:30 pm</td>
<td>Interactive Session</td>
<td><strong>CME</strong> Medical and Lifestyle Treatment Options in PCOS, More Than Just Metformin Nanette Santoro, M.D. (Chair) University of Colorado Denver Anuja Dokras, M.D., Ph.D. University of Pennsylvania Perelman School of Medicine Heather G. Huddleston, M.D. University of California, San Francisco</td>
</tr>
<tr>
<td>1:30 pm - 2:30 pm</td>
<td>Interactive Session</td>
<td><strong>CME</strong> Home Sperm Testing: What is Available, Limitations and Opportunities Natan Bar-Chama, M.D. (Chair) Reproductive Associates of New York Michael Eisenberg, M.D. Stanford University Benjamin Leader, M.D., Ph.D. ReproSource Inc.</td>
</tr>
<tr>
<td>1:30 pm - 2:30 pm</td>
<td>Interactive Session</td>
<td><strong>CME</strong> Cervical Agenesia- Hysterectomy vs Utero-Vaginal Anastomosis Stephanie J. Estes, M.D. (Chair) Penn State Bala Bhagavath, M.B.B.S. University of Rochester Leslie Coker Appiah, M.D. The Ohio State University</td>
</tr>
<tr>
<td>1:30 pm - 2:30 pm</td>
<td>Interactive Session</td>
<td><strong>CME</strong> In Vitro Activation for Primary Ovarian Insufficiency: Is it Ready for Prime Time? Neha Kumar, Sc.M. Invitae</td>
</tr>
<tr>
<td>2:45 pm - 3:30 pm</td>
<td>Lecture</td>
<td><strong>CME</strong> Menopause Keynote Lecture: Future Directions on the Management of Menopause Rogerio A. Lobo, M.D. Columbia University</td>
</tr>
<tr>
<td>4:15 pm - 5:30 pm</td>
<td>Symposium</td>
<td><strong>CME</strong> KY CHA SYMPOSIUM: Regenerative Medical Therapies For Reproductive Medicine Supported by the Asia-Pacific Biomedical Research Foundation Charles A. Easley, Ph.D., M.S. (Chair) University of Georgia Ina Dobrinski, Ph.D., D.V.M. University of Calgary Hugh S. Taylor, M.D. Yale University</td>
</tr>
</tbody>
</table>
4:15 pm - 5:30 pm Symposium
Access to Fertility Preservation Care: From Policy to the Patient
Akanksha Mehta, M.D., M.S. (Chair)
Emory University School of Medicine
H. Irene Su, M.D., M.S.C.E.
University of California
Joyce Reinecke, J.D.
Alliance for Fertility Preservation
Jim M. Dupree, IV, M.D., M.P.H.
University of Michigan

4:15 pm - 5:30 pm Symposium
Fertility Trajectory of Klinefelter Syndrome: From Childhood, Adolescence to Adulthood
Peter Chan M.D., C.M., M.Sc., F.R.C.S.(C)., F.A.C.S (Chair)
McGill University
Robert D. Bates, M.D.
Boston University
Darius A. Paduch, M.D., Ph.D.
Weill Cornell Medical College

4:15 pm - 5:30 pm Symposium
Quality Management in Human ART: Time to Revisit the Issues
Barry R. Behr, Ph.D. (Chair)
Stanford Fertility and Reproductive Medicine Center
Mitchel C. Schiewe, Ph.D., M.S.
Ovation Fertility
Dawn A. Kelk, Ph.D., H.C.L.D.
Yale Fertility Center

4:15 pm - 5:30 pm Symposium
Implementation of an Embryo Donation Program Within Your Practice: Medical, Legal and Psychological Aspects
Eric A. Widra, M.D. (Chair)
Shady Grove Fertility Center
Angela K. Lawson, Ph.D.
Northwestern University
Nidhi Desai, J.D.
Desai & Miller

4:15 pm - 5:30 pm Symposium
RESPECT YOUR ENEMY: Marketing Your Practice Within the SART Advertising Guidelines in a Competitive Market
Sara Mooney, B.A. (Chair)
Seattle Reproductive Medicine
Amy Hall
Catalyst Healthcare Marketing
Paul C. Lin, M.D.
Seattle Reproductive Medicine

4:15 pm - 5:30 pm Symposium
Oocyte Maturation In Vitro and Female Fertility Preservation
Rong Li, M.D., Ph.D. (Chair)
Peking University Third Hospital
Xiaoyan Liang, M.D., Ph.D.
The 6th affiliated Hospital of Sun Yat-sen University
Heng-yu Fan, Ph.D.
Life Sciences Institute, Zhejiang University

4:15 pm - 5:30 pm Symposium
Patient-Centered Research in Uterine Fibroids: The COMPARE-UF Experience
Elizabeth A. Stewart, M.D. (Chair)
Mayo Clinic
Sateria Venable, B. Arch.
The Fibroid Foundation
Wanda K Nicholson, M.D., M.B.A., M.P.H.
University of North Carolina
Evan Myers, M.D., M.P.H.
Duke University

4:15 pm - 5:30 pm Symposium
New Approach in PCOS
Peng Cheang Wong, M.B.B.S, F.R.C.O.G., F.A.M.S. (Chair)
Yong Loo Lin School of Medicine
Duru Shah, M.D. (India)
Gynaecworld Assisted Fertility Center
Thi Ngoc Lan Vuong, M.D., Ph.D.
University of Indonesia

4:15 pm - 5:30 pm Symposium
Management of Mosaic Embryos After PGT-A in ART
Newton Buus, M.D., Ph.D. (Chair)
Projeto Alfa
Benjamin Sandler, M.D.
Reproductive Medicine Associates of New York
Carlos E. Sueldo, M.D.
University of California, San Francisco

4:15 pm - 5:30 pm Symposium
FDA Symposium: Reproductive HCT/P Donor Eligibility and Compliance Update for Reproductive HCT/P Establishments
Simone P. Porter, M.D., M.P.H. (Chair)
Food and Drug Administration, Center for Biologic Evaluation and Research
Ping He, M.D.
Food and Drug Administration, Center for Biologic Evaluation and Research

4:15 pm - 5:30 pm Symposium
World Health Organization (WHO) Symposium: Global Call to Action to Enhance Fertility Care
James Kiarie, M.B.Ch.B., M.M.E.D (Chair)
World Health Organization
Rachel Snow, Sc.D.
United Nations Population Fund
Dr. Kittipong Sae-Jeng
Thailand Department of Health
Oladapo A. Ashiru, O.F.R., M.B.B.S., M.Sc., Ph.D.
Medical ART Center, Nigeria
David Ntirushwa, M.D.
University Teaching Hospital of Kigali
Dmitry Kissin, M.D., M.P.H.
Centers for Disease Control and Prevention

4:15 pm - 5:30 pm Video Session 2
6:30 am - 7:45 am
Poster Abstract Session & Continental Breakfast

8:00 am - 8:45 am
Lecture
American Urological Association Bruce Stewart Memorial Lecture: The Diagnosis & Treatment of Male Infertility: From the Bench to the Bedside
Supported by a grant from the American Urological Association
Larry I. Lipshultz, M.D., Baylor College of Medicine

8:45 am - 9:15 am
ASRM Members’ Meeting & Congress Prize Presentation

9:15 am - 10:00 am
Plenary
Herbert H. Thomas Lecture: Justice and the Privatization of Health Data
Endowed by a grant from EMD Serono, Inc.
Kayte Spector-Bagdady, J.D., University of Michigan

10:00 am - 10:45 am
Break

10:45 am - 12:15 pm
Oral Abstract Sessions

11:00 am - 12:00 pm
MHPG Clinical Session: Peeking Under The Hood: Psychological Testing with Sperm Donors
Andrea Braverman, Ph.D., Jefferson OBGYN
John Kurtz, Ph.D., Villanova University

12:15 pm - 1:15 pm
Break/Lunch

12:15 pm - 1:15 pm
Expert Encounter
Male Infertility Case Discussion
John Amory, M.D., M.P.H., University of Washington

12:15 pm - 1:15 pm
Roundtables

12:30 pm - 2:00 pm
Resident Learning Session: Interactive Learning Pedagogies and Fellowship Panel Discussion
Ann J. Davis, M.D., Dartmouth Medical School

1:30 pm - 2:30 pm
Interactive Session
Egg and Embryo Banking for Family Building Prior to Advancing Maternal Age: A Patient and Laboratory Perspective
Jennifer Mersereau, M.D., (Chair), UNC Fertility
Kara N. Goldman, M.D., Northwestern University
Sangita K. Jindal, Ph.D., Montefiore Institute for Reproductive Medicine and Health

1:30 pm - 2:30 pm
Interactive Session
Repeated Implantation Failure – Can We Learn From Endometrial Evaluation?
Svetlana Dambaeva, M.D., Ph.D. (Chair), Rosalind Franklin University of Medicine and Science
Emilio Francisco Fernandez, M.D., Clinical Las Condes
Udo R. Markert, M.D., Universitäts Klinikum

1:30 pm - 2:30 pm
Interactive Session
Reproductive Epigenetics and the Mighty Mitochondria
Paul C. Magarelli, M.D., Ph.D. (Chair), HQA Fertility Centers

1:30 pm - 2:30 pm
Interactive Session
Debate: Mullerian Classification: ESHRE vs ASRM - Which is Better?
John C. Petrozza, M.D., (Chair), Massachusetts General Hospital
Samantha Pfeifer, M.D., Weill Medical College of Cornell University
Artur Ludwin, M.D., Ph.D., Jagiellonian University

1:30 pm - 2:30 pm
Interactive Session
Environmental Chemicals and Reproduction: From Knowledge to Action
Jorge E. Chavarro, M.D., Sc.D. (Chair), Harvard University
Audrey J. Gaskins, Sc.D., Emory University
Linda Guidice, M.D., Ph.D., University of California, San Francisco

1:30 pm - 2:30 pm
Interactive Session
Family Planning Fellows Showcase: Frontiers in Complex Family Planning
Maureen Baldwin, M.D., M.P.H., Oregon Health and Science University
Andrea H. Roe, M.D., M.P.H., University of Pennsylvania
Erica P. Cahill, M.D., M.S., Stanford University
Nora Doty, M.D., M.C.R., Oregon Health and Science University

2:45 pm - 3:30 pm
Lecture
Contraception Keynote Lecture: Male Contraception: Past, Present, and Future
John K. Amory, M.D., M.P.H., University of Washington
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<tr>
<th>Time</th>
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<tr>
<td>2:45 pm</td>
<td>Lecture</td>
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<tr>
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<td>SSR Exchange Keynote Lecture: Motile Ciliopathy is a New Cause of Male Infertility</td>
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<td>Wei Yan, M.D., Ph.D. University of Nevada</td>
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<td>3:45 pm</td>
<td>Symposium</td>
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<td>Howard and Georgeanna Jones Endowed Symposium on Assisted Reproductive Technology: Growing Gameles and Embryos: Where Are We Now</td>
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<td>Endowed by a 2010 educational grant from EMD Serono, Inc.</td>
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<td>Rebecca Krisher, Ph.D. (Chair) Colorado Center for Reproductive Medicine</td>
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<td>Michelle Lane, Ph.D. Monash IVF Group</td>
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<td>T. Arthur Chang, Ph.D., E.L.D., H.C.L.D. University of Texas</td>
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<td>Egg Freezing - Are You Ready for Prime Time? Developing and Implementing an Egg Freezing Program in Your Practice: What Does the Science Say?</td>
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<td>Paul C. Lin, M.D. (Chair) Seattle Reproductive Medicine</td>
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<td>Caroline McCaffrey, Ph.D., H.C.L.D. New York University Fertility Center</td>
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<td>Kimball O. Pomeroy, Ph.D. The World Egg Bank</td>
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<td>Fertility Preservation for Transgender Youth: Special Considerations</td>
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<td>Molly B Moravek, M.D., M.P.H. (Chair) Michigan Medicine</td>
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<td>James F. Smith, M.D. University of California</td>
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<td>Gwendolyn P. Quinn, Ph.D. New York University</td>
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<td>Novel therapies for the Treatment of Asherman Syndrome</td>
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<td>Fady I. Sharara, M.D. (Chair) Virginia Center for Reproductive Medicine</td>
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<td>James Liu, M.D. UH MacDonald Women's Hospital</td>
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<td>Carlos Simon, M.D., Ph.D. University of Valencia</td>
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<td>Risk Management: Patient Education, Compliance and Consenting</td>
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<td>Lindsey McBain, B.A. (Chair) IVI RMA NJ</td>
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<td>Heather Ross, J.D. Ross and Zuckerman</td>
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<td>Brad Senstra, M.H.A. Seattle Reproductive Medicine</td>
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<td>Sue Jasulaitis, M.S.N., R.N. Fertility Centers of Illinois</td>
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<td></td>
<td>AMMR Symposium: Strategies in Ovarian Stimulation Protocols to Improve Results in Assisted Reproduction</td>
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<td>Jose Luis Castro Lopez, M.D. (Chair) Prodigy</td>
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<td>Alberto Kably Ambe, M.D. Centro Mexicano de Fertilidad</td>
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<td>Antonio M. Gutierrez, M.D. Instituto de Ciencias en Reproduccion Humana</td>
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<td>CSRM Symposium: Embryo Culture in Vitro and Development</td>
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<td>Deng Chengyen (Co-chair) Peking Union Medical College</td>
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<tr>
<td>3:45 pm</td>
<td>Video Session 3</td>
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</table>
| 3:45 pm    | Plenary lectures will be translated simultaneously into Spanish and Mandarin Chinese for members of the audience.
NEW OFFERINGS IN
Education

AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE

Congress Highlights

Add to what you know – on the go

ASRM Embryo Transfer Simulator Certificate Course

Podcasts COMING SOON
Specialty Track Pages

These at-a-glance content track pages are built around attendee special interests, so that groupings of course offerings according to content can easily be identified. Most of the content of the Scientific Congress addresses the interests of our REI and ART-focused attendees. Therefore, REI and ART content courses are not shown as separate tracks.

Access to Care Track

Monday, October 14

12:15 pm - 1:15 pm Roundtable Discussion
Disparities in Male Reproductive Health
Jim Dupree, M.D., M.P.H.
University of Michigan

1:30 pm - 2:30 pm Interactive Session
How Do We Reach the Goal of Universal Insurance Coverage for IVF?
Jacqueline Ho, M.D. (Chair)
University of Southern California
Sean Tipton, M.A.
ASRM
Erin Kramer, B.A.
ASRM
Barbara Collura, M.A.
RESOLVE

4:15 pm - 5:30 pm Symposium
Management of Infertility in Low Resource Settings
Christopher Herndon, M.D. (Co-chair)
University of Washington
Julia V. Johnson, M.D. (Co-chair)
University of Massachusetts Medical School
Sheryl Vanderpoel, Ph.D.
Population Council, W.H.O. (retired)
Kevin J. Doody, M.D.
CARE Fertility
Melissa Harmon, R.N.
CARE Fertility

Tuesday, October 15

12:15 pm - 1:15 pm Roundtable Discussion
Climate and Health Challenges in Vulnerable Populations
Rubin Alvero, M.D.
Stanford University

4:15 pm - 5:30 pm Symposium
Access to Fertility Preservation Care: From Policy to the Patient
Akanksha Mehta, M.D., M.S. (Chair)
Emory University School of Medicine
H. Irene Su, M.D., M.S.C.E.
University of California
Joyce Reinecke, J.D.
Alliance for Fertility Preservation
Jim M. Dupree, IV, M.D., M.P.H.
University of Michigan

Wednesday, October 16

12:15 pm - 1:15 pm Roundtable Discussions
Time to Get Creative: How to Improve Access to Care in Your Community
Tia Jackson-Bey, M.D.
University of Illinois College of Medicine at Chicago

Abnormal Myometrial Stem Cells Are Responsible for Health Disparity in Uterine Fibroids
Qiwei Yang, Ph.D.
University of Illinois @ Chicago (UIC)
### Assisted Reproductive Technology Lab Track

**Monday, October 14**

<table>
<thead>
<tr>
<th>Time</th>
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<td>12:15 pm - 1:15 pm</td>
<td>Roundtable Discussions</td>
<td>Amy Jones, M.S.</td>
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<td>Understanding Mosaicism – What You Need to Know</td>
<td>Ovation Fertility</td>
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<td><strong>Overview on emerging technologies and breakthrough research in ART</strong></td>
<td>Rebecca Krishner, Ph.D.</td>
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<td><strong>Cryo Tank Failure: What Every REI &amp; Embryologist Should Know</strong></td>
<td>Dawn Kelk, Ph.D., H.C.L.D.</td>
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<td>1:30 pm - 2:30 pm</td>
<td>Interactive Session</td>
<td>Amy Sparks, Ph.D. (Chair)</td>
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<td>Key Performance Indicators for the IVF Lab</td>
<td>University of Iowa</td>
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<td><strong>Key Performance Indicators for the IVF Lab</strong></td>
<td>Alison Bartolucci, M.S.</td>
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<td><strong>Cryo Tank Failure: What Every REI &amp; Embryologist Should Know</strong></td>
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**Tuesday, October 15**

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<td>Roundtable Discussions</td>
<td>Jason Swain, Ph.D.</td>
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<td>Assisted Reproductive Technology (ART)</td>
<td>Colorado Center for Reproductive Medicine</td>
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<td><strong>TESE for Male Factor Infertility Patient</strong></td>
<td>Jason Kavoc</td>
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<td>Who Can Ejaculate (Oligozoospermia or Oligoasthenozoospermia or Oligoteratozoospermia): Where is the Evidence?</td>
<td>Urology of IN</td>
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<tr>
<td>1:30 pm - 2:30 pm</td>
<td>Interactive Session</td>
<td>Timothy N. Hickman, M.D. (Chair)</td>
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<td>Mosaicism Exposed – How to Handle Mosaic Embryos</td>
<td>Houston IVF</td>
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<td><strong>Mosaicism Exposed – How to Handle Mosaic Embryos</strong></td>
<td>Mandy Katz-Jaffe, Ph.D.</td>
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<td><strong>Mosaicism Exposed – How to Handle Mosaic Embryos</strong></td>
<td>Cassandra Catoni, M.S., C.G.C.</td>
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<td><strong>Mosaicism Exposed – How to Handle Mosaic Embryos</strong></td>
<td>Mike Large, Ph.D.</td>
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<tr>
<td>4:15 pm - 5:30 pm</td>
<td>Symposium</td>
<td>Barry R. Behr, Ph.D. (Chair)</td>
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<td>Quality Management in Human ART: Time to Revisit the Issues</td>
<td>Stanford Fertility and Reproductive Medicine Center</td>
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<td><strong>CME</strong></td>
<td>Mitchel C. Schiewe, Ph.D., M.S.</td>
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<td>Ovation Fertility</td>
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<td>Dawn A. Kelk, Ph.D., H.C.L.D.</td>
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<td><strong>CME</strong></td>
<td>Yale Fertility Center</td>
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## Assisted Reproductive Technology Lab Track

**Wednesday, October 16**

### 12:15 pm - 1:15 pm Roundtable Discussions

**Clinical embryologist career paths – Excelling in the Multi-dimensional Role of a Clinical Embryologist**

T. Arthur Chang, Ph.D., E.L.D., H.C.L.D.
*University of Texas Health Science Center*

**What to Do When Euploid Embryos Fail to Implant?**

John Whitney, B.S.
*Ovation Fertility*

**Environmental Pollutants and their Effect on In Vitro Fertilization (IVF) Outcomes**

Eva Schenkman
*Colorado Center for Reproductive Medicine*

### 1:30 pm - 2:30 pm Interactive Session

**Egg and Embryo Banking for Family Building Prior to Advancing Maternal Age: a Patient And Laboratory Perspective**

Jennifer Mersereau, M.D. (Chair)
*UNC Fertility*

Kara N. Goldman, M.D.
*Northwestern University*

Sangita K. Jindal, Ph.D.
*Montefiore Institute for Reproductive Medicine and Health*

### 3:45 pm - 5:00 pm Symposia

**Howard and Georgeanna Jones Symposium on Assisted Reproductive Technology: Growing Gametes and Embryos: Where Are We Now**

Rebecca Krisher, Ph.D. (Chair)
*Colorado Center for Reproductive Medicine*

Michelle Lane, Ph.D.
*T. Arthur Chang, Ph.D., E.L.D., H.C.L.D.*

**Egg Freezing - Are You Ready for Prime Time?**

Paul C. Lin, M.D. (Chair)
*Seattle Reproductive Medicine*

Caroline McCaffrey, Ph.D., H.C.L.D.
*New York University Fertility Center*

Tamara M. Tobias, N.P.
*Seattle Reproductive Medicine*

Kimball O. Pomeroy, Ph.D.
*The World Egg Bank*
Contraception Track

Monday, October 14

1:30 pm - 2:30 pm Interactive Session
Best Practices in Miscarriage Management
Courtney Schreiber, M.D. (Chair)
University of Pennsylvania
Sarah Prager, M.D., M.A.S.
University of Washington
Sarah Horvath, M.D.
University of Pennsylvania
Sarita Sonalkar, M.D., M.P.H.
University of Pennsylvania
Vanessa Dalton, M.D., M.P.H.
University of Michigan

Tuesday, October 15

12:15 pm - 1:15 pm Roundtable Discussion
Incorporating the Use of Mifepristone Pretreatment for Medical Management of Miscarriage into Your Practice
Sarita Sonalkar
University of Pennsylvania

Wednesday, October 16

2:45 pm - 3:30 pm Lecture
Contraception Keynote Lecture: Male Contraception
John K. Amory, M.D., M.P.H.
University of Washington

1:30 pm - 2:30 pm Interactive Session
Family Planning Fellows Showcase
Frontiers in Complex Family Planning
Maureen Baldwin, M.D., M.P.H.
Oregon Health and Science University
Andrea H. Roe, M.D., M.P.H.
University of Pennsylvania
Erica P. Cahill, M.D., M.S.
Stanford University
Nora Doty, M.D., M.C.R.
Hackensack Meridian Health
Ethics, Legal, & Mental Health Track

Monday, October 14

8:30 am - 9:15 am  Plenary
Plenary 1: President's Guest Lecture: Closing the Generational Gap Between Practitioners and Patients
Endowed by a 1987 grant from Ortho Women’s Health
Ryan Jenkins
Speaker, Author, and Inc. Magazine Columnist

12:15 pm - 1:15 pm Roundtable Discussions
The Assisted Reproductive Technology (ART) of Couple Satisfaction
Kristy Koser, Ph.D., L.P.C.C.
Aparicio Counseling and Psychotherapy, PLLC
Surrogacy and the Modern Family: Addressing the Ethical and Emotional Challenges of Complex Gestational Surrogacy Cases
Lisa Schuman
The Center for Family Building

1:00 am - 12:00 pm MHPG Clinical Session
MHPG Clinical Session: Research Isn’t Just for Nerds: The Easy How-To’s of Conducting Publishable Research in the Field of Reproductive Medicine
Alice Domar, Ph.D.
Boston IVF
Lauri Pasch, Ph.D.
University of California, San Francisco

1:30 pm - 2:30 pm Interactive Session
No Satisfaction: Psychological and Medical Perspectives on Infertility and Sexual Dysfunction
William D. Petok, Ph.D. (Chair)
Thomas Jefferson University
Elizabeth A. Grill, Psy.D.
Weill Cornell Medical Center
Robert D. Oates, M.D.
Boston University School of Medicine
Kim Bergman, Ph.D.
Growing Generations

Counseling Patients on Mosaicism
JoRene Bigler-Vollman, R.N., M.S.N. (Chair)
Fertility Centers of Illinois
Lisa A. Rinehart, J.D., R.N.
LegalCare Consulting, Inc.
Andria G. Besser, M.Sc.
New York University Langone Fertility Center

Tuesday, October 15

8:30 am - 9:15 am Plenary
Plenary 4: Is Human Germline Editing Ethical?
Endowed by a 1990 grant from Astra-Zeneca
Françoise Baylis, C.M., O.N.S., Ph.D., F.R.S.C., F.C.A.H.S.

9:15 am - 10:00 am Plenary
Plenary 6: Planned Oocyte Cryopreservation: A Patient’s Perspective
Endowed by a 1992 grant from Wyeth
Brigitte K. Adams
Eggsurance
Ethics, Legal, & Mental Health Track

12:15 pm - 1:15 pm Roundtable Discussions
Is Sharing really Caring? The Use of Self-Disclosure in Infertility Counseling.
Julie Bindeman, Psy.D.
Integrative Therapy of Greater Washington

CBT for Recurrent Pregnancy Loss: Benefits, Limitations, and Alternatives
Danielle Kaplan, Ph.D.
NYU Langone

1:30 pm - 2:30 pm Interactive Session
Beyond Disclosure: The Psychological, Social, Legal, and Genetic Implications of Intentional and Unintentional Donor Identity
Claudia Pascale, Ph.D. (Chair)
Institute for Reproductive Medicine & Science at Saint Barnabas
Judith Daar, J.D.
Chase College
Heidi Hayes, M.A.
California Cryobank
Neha Kumar, Sc.M.
Invitae

1:30 pm - 2:30 pm MHPG Clinical Session
Beyond Disclosure: The Psychological, Social, Legal, and Genetic Implications of Intentional and Unintentional Donor Identity
Claudia Pascale, Ph.D. (Chair)
Institute for Reproductive Medicine & Science at Saint Barnabas
Judith Daar, J.D.
Chase College
Heidi Hayes, M.A.
California Cryobank
Neha Kumar, Sc.M.
Invitae

4:15 pm - 5:30 pm Symposium
Implementation of an Embryo Donation Program Within Your Practice: Medical, Legal and Psychological Aspects
Eric Widra, M.D. (Chair)
Shady Grove Fertility Center
Angela K. Lawson, Ph.D.
Northwestern University

Wednesday, October 16

9:15 am – 10:00 am Plenary
Plenary 6: Herbert H. Thomas Lecture: Justice and the Privatization of Health Data
Kayte Spector-Bagdady, J.D., M.Bioethics
University of Michigan

11:00 am – 12:00 pm MHPG Clinical Session
Peeking Under the Hood: Psychological Testing with Sperm Donors
Andrea Braverman, Ph.D. (Chair)
Jefferson OBGYN
John Kurtz, Ph.D.
Villanova University

12:15 pm - 1:15 pm Roundtable Discussions
Modeling Good Behavior- The Ethics of Surrogacy
Deborah Levy, M.A., L.P.C.
ConceiveAbilities

Lessons from An Adoption Plan: Differences, Similarities in Disclosure to Donor-Conceived Offspring
Dori Kavanagh, L.C.S.W.
Private Practice

3:45 pm - 5:00 pm Symposia
Fertility Preservation for Transgender Youth: Special Considerations
Molly B Moravek, M.D., M.P.H. (Chair)
Michigan Medicine
James F. Smith, M.D.
University of California, San Francisco
Gwendolyn P. Quinn, Ph.D.
New York University
Leena Nahata, M.D.
Nationwide Children’s Hospital

Risk Management: Patient Education, Compliance and Consenting.
Lindsey McBain, B.A. (Chair)
IVI RMA NJ
Heather Ross, J.D.
Ross and Zuckerman
Brad Senstra, M.H.A.
Seattle Reproductive Medicine
Sue Jasulaitis, M.S.N., R.N.
Fertility Centers of Illinois
## Genetics Track

### Monday, October 14

12:15 pm - 1:15 pm Roundtable Discussions

**Limits and Complications of Genetic Screening in Egg Donors**  
Amber Gamma, M.S., C.G.C.  
Northwell Health Fertility

**Progress in Comprehensive PGT**  
Dagan Wells, Ph.D., I.V.I., R.M.A.  
University of Oxford

**PGT for Late-Onset Disorders**  
Svetlana Rechitsky, Ph.D.  
Reproductive Genetic Innovations

**Understanding Mosaicism – What You Need to Know**  
Amy Jones, M.S.  
Ovation Fertility

1:30 pm - 2:30 pm Interactive Sessions

**Non-Invasive Preimplantation Genetic Testing (NIPGT): Is it Applicable for ART practice?**  
Svetlana Rechitsky, Ph.D. (Chair)  
Florida International University

Dagan Wells, Ph.D., I.V.I., R.M.A.  
University of Oxford

Carlos Rubio, Ph.D.  
Igenomix

Luca Gianaroli, M.D., S.I.S.M.E.R.

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### Tuesday, October 15

8:30 am - 9:15 am Plenary  
**Plenary 4: Is Human Germline Editing Ethical?**  
Endowed by a 1990 grant from Astra-Zeneca  
Françoise Baylis, C.M., O.N.S., Ph.D., F.R.S.C., F.C.A.H.S.

12:15 pm - 1:15 pm Roundtable Discussions

**Expanded Versus Targeted Genetic Testing Before Pregnancy: Discussion Of Guidelines, Options, and Cost Effectiveness**  
Heather Hipp, M.D.  
Emory University

**Direct to Consumer (DTC) Genetic Testing: Exploring The Benefits, Limitations And What To Do When A Patient Brings Results To The Clinic**  
Rachel Donnell, M.M.Sc., L.C.G.C.  
Seattle Reproductive Medicine

**Prospect for Non Invasive PGT**  
Carmen Rubio, Ph.D.  
Igenomix Spain

**Detection of Mosaicism and Segmental Variations**  
Mandy Katz-Jaffe  
Colorado Center for Reproductive Medicine in Lone Tree, CO

1:30 pm - 2:30 pm Interactive Sessions

**Mosaicism Exposed – How to Handle Mosaic Embryos**  
Timothy N. Hickman, M.D. (Chair)  
Houston IVF

Mandy Katz-Jaffe, Ph.D.  
Colorado Center for Reproductive Medicine

Mike Large, Ph.D.  
Cooper Genomics

Cassandra Latoni, M.S., CGC  
Ovation Fertility

**Beyond Disclosure: The Psychological, Social, Legal, and Genetic Implications of Intentional and Unintentional Donor Identity**  
Claudia Pascale, Ph.D. (Chair)  
Institute for Reproductive Medicine & Science at Saint Barnabas

Judith Daar, J.D.  
Chase College

Heidi Hayes, M.A.  
California Cryobank

Neha Kumar, Sc.M.  
Invitae

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### Wednesday, October 16

12:15 pm - 1:15 pm Roundtable Discussions

**PGT-M for Mild Conditions**  
Rachael Cabey, M.S., L.C.G.C.  
CooperGenomics

1:30 pm - 2:30 pm Interactive Sessions

**Update of Randomized Control Trials on Clinical Outcome of PGT-A**  
Eric Forman, M.D.  
University of Columbia

**Prospective Carrier Screening and its Impact of PGT Uptake**  
Charles Strom, M.D., Ph.D.  
Celmatix, USA
LGBTQ Track

Monday, October 14

12:15 pm - 1:15 pm Roundtable Discussion
Not-So-Secret “Anonymous Egg Donations”: How Home DNA Testing, Donor Registries, and Social Media Are Turning the Donor World Upside Down
Will Halm, J.D.
International Reproductive Law Group

1:30 pm - 2:30 pm Interactive Session
No Satisfaction: Psychological and Medical Perspectives on Infertility and Sexual Dysfunction
William D. Petok, Ph.D. (Chair)
Thomas Jefferson University
Elizabeth A. Grill, Psy.D.
Weill Cornell Medical Center
Robert D. Oates, M.D.
Boston University School of Medicine
Kim Bergman, Ph.D.
Growing Generations

4:15 pm - 5:30 pm Symposia
The New Modern Family: Family-building and co-parenting in the 21st Century
Linda Kondilis, Psy.D. (Chair)
Private Practice
Laurie McKenzie, M.D.
Baylor College of Medicine
Heather Ross, J.D.
Ross & Zuckerman, LLP

SSR Symposium: Fertility Preservation-Existing and Emerging Fertility Preservations Options for Women and Men
Mary B. Zelinski, Ph.D. (Chair)
Oregon Health & Sciences University
So-Youn Kim, PhD
University of Nebraska Medical Center
Kyle E. Orwig, Ph.D.
University of Pittsburgh

Wednesday, October 16

12:15 pm - 1:15 pm Roundtable Discussion
Ovarian Stimulation in Transgender Men
Molly Moravek, M.D.
University of Michigan

3:45 pm - 5:00 pm Symposium
Fertility Preservation for Transgender Youth: Special Considerations
Molly B Moravek, M.D., M.P.H. (Chair)
Michigan Medicine
James F. Smith, M.D.
University of California, San Francisco
Gwendolyn P. Quinn, Ph.D.
New York University
Leena Nahata, M.D.
Nationwide Children’s Hospital
Male Reproduction Track

Monday, October 14

12:15 pm - 1:15 pm Roundtable Discussions
The Current Role of Varicocele Repair in Optimizing Male Fertility and Assisted Reproductive Technology (ART) Outcomes
Ed Kim, M.D.
University of Tennessee

Optimizing Male Fertility Utilizing Lifestyle Modifications
Michael Eisenberg, M.D.
Stanford University

2:35 pm - 3:20 pm Lecture
The David and Rosemary Adamson Lecture on Excellence in Reproductive Medicine: Midnight’s Broken Toll: Male Fertility and the Health of Future Generations
Endowed by Advanced Reproductive Care, Inc. and Rosemary and David Adamson, M.D.
University of Newcastle

4:15 pm - 5:30 pm Symposium
Are Specialized Sperm Function Tests Clinically Useful?
Armand Zini, M.D., F.R.C.S.C. (Chair)
McGill University
Sandro C. Esteves, M.D., Ph.D., M.Sc.
Campinas, Brazil
Douglas T. Carrell, Ph.D.
University of Utah School of Medicine

Tuesday, October 15

12:15 pm - 1:15 pm Roundtable Discussions
Hypogonadism: Implications of Disease and Treatment for the Infertile Male
Mohit Khera, M.D.
Baylor College of Medicine

Patient-Centered Approach to Azoospermia: Choosing the Best Technique for Sperm Retrieval
Thomas Walsh, M.D.
Washington University

1:30 pm - 2:30 pm Interactive Session
Home Sperm Testing: What is Available, Limitations and Opportunities
Natan Bar-Chama, M.D. (Chair)
Reproductive Associates of New York
Michael Eisenberg, M.D.
Stanford University
Benjamin Leader, M.D., Ph.D.
ReproSource Inc.

4:15 pm - 5:30 pm Symposium
Access to Fertility Preservation Care: From Policy to the Patient
Akanksha Mehta, M.D., M.S. (Chair)
Emory University School of Medicine
H. Irene Su, M.D., M.S.C.E.
University of California
Joyce Reinecke, J.D.
Alliance for Fertility Preservation
Jim M. Dupree, IV, M.D., M.P.H.
University of Michigan
Male Reproduction Track

Wednesday, October 16

8:00 am - 8:45 am Lecture (CME)
American Urological Association Bruce Stewart Memorial Lecture: The Diagnosis & Treatment of Male Infertility: From the Bench to the Bedside
Supported by a grant from the American Urological Association
Larry I. Lipshultz, M.D.
Baylor College of Medicine

12:15 pm - 1:15 pm Expert Encounter
Male Infertility Case Discussion
John Amory, M.D., M.P.H.
University of Washington

12:15 pm - 1:15 pm Roundtable Discussions
Male Home Fertility Testing: Pros and Cons for the Consumer and Medical Practitioner
Natan Bar-Chama, M.D., Reproductive Medicine Associates of New York
The Future of Male Infertility Microsurgery: Promising Emerging Technologies
Philip Li, M.D., Cornell University
Fertility Preservation in the Male Across the Lifespan
Robert Brannigan, M.D.
Northwestern University

2:45 pm - 3:30 pm Lecture (CME)
Contraception Keynote Lecture: Male Contraception
John K. Amory, M.D., M.P.H.
University of Washington

2:45 pm - 3:30 pm Lecture (CME)
SSR Exchange Keynote Lecture: Motile Ciliopathy is a New Cause of Male Infertility
Wei Yan, M.D., Ph.D.
University of Nevada
Menopause Track

Monday, October 14

12:15 pm - 1:15 pm Roundtable Discussion
Stem Cell Therapy for Premature Ovarian Insufficiency
Ayman al-Hendy, M.D., Ph.D.
University of Illinois at Chicago

4:15 pm - 5:30 pm Symposium
Ovarian Tissue Cryopreservation and Transplantation: 20 Years of Progress
Kutluk H. Oktay, M.D., Ph.D. (Chair)
Yale University School of Medicine
Isabelle Demeestere, M.D., Ph.D.
University Libre de Bruxelles
Nao Suzuki, M.D., Ph.D.
Marianna University, Japan

Tuesday, October 15

12:15 pm - 1:15 pm Roundtable Discussion
Is there a role for testosterone use in women?
Jan Shifren, M.D.
Massachusetts General Hospital

2:45 pm - 3:30 pm Lecture
Menopause Keynote Lecture: Future Directions on the Management of Menopause
Rogerio Lobo, M.D.
Columbia University

Wednesday, October 16

12:15 pm - 1:15 pm Roundtable Discussion
Ovarian Stimulation in Transgender Men
Molly Moravek, M.D.
University of Michigan
Professional and Practice Development Track

Sunday, October 7

3:00 pm - 5:00 pm Workshop
Personal Finance for Physicians
Stuart S. Howards, M.D.
University of Virginia

Monday, October 8

8:30 am - 9:15 am Plenary
Plenary 1: President's Guest Lecture: Closing the
Generational Gap Between Practitioners and Patients
Endowed by a 1987 grant from Ortho Women's Health
Ryan Jenkins
Speaker, Author, and Inc. Magazine Columnist

12:15 pm - 1:15 pm Expert Encounter
Venture Capital, Private Equity, and Assisted
Reproduction: Investing in Innovation in IVF
David Sable, M.D.
Columbia University

12:15 pm - 1:15 pm Roundtable Discussions
Staying Together for the Kids: Clear
Expectations that Partners and Associates Need to
Agree Upon in Order to Grow the Practice and
Avoid Separation
Griffin Jones, B.A.
Fertility Bridge
Managing Patient Complain And Setting
Expectations
Beth Hume, B.A.
Seattle Reproductive Medicine

1:30 pm - 2:30 pm Interactive Session
Moving Hysteroscopy from the Operating
Room to the Office: Essentials for Success,
Safety, and Patient Satisfaction
Steven R. Lindheim, M.D. (Chair)
Wright State University
Stefano Bettocchi, M.D.
University of Bari, Italy
Keith Isaacson, M.D.
Harvard Medical School
Brad Senstra, M.H.A.
Seattle Reproductive Medicine

2:35 pm - 3:20 pm Lecture
Endowed Lecture: IVF as a Business
Endowed by a 1990 grant from TAP Pharmaceutical
David Sable, M.D.
Columbia University

4:15 pm - 5:30 pm Symposium
How to Build High Functioning Teams in the
Embryology Lab
Blake R. Welch, M.B.A. (Chair)
Chicago IVF
G. David Ball, Ph.D.
Seattle Reproductive Medicine
Professional and Practice Development Track

Tuesday, October 15

9:15 am - 10:00 am Plenary
Plenary 5: Planned Oocyte Cryopreservation: A Patient's Perspective
Endowed by a 1992 grant from Wyeth
Brigitte K. Adams
EggSurence

12:15 pm - 1:15 pm Roundtable Discussion
HIPPA Headaches and ways to avoid them
Lindsey McBain, B.A.
IVI RMA NJ

4:15 pm - 5:30 pm Symposia
RESPECT YOUR ENEMY: Marketing Your Practice Within the SART Advertising Guidelines in a Competitive Market
Sara Mooney, B.A. (Chair)
Seattle Reproductive Medicine
Amy Hall
Catalyst Healthcare Marketing
Paul C. Lin, M.D.
Seattle Reproductive Medicine

Wednesday, October 16

9:15 am - 10:00 am Plenary
Plenary 6: Herbert H. Thomas Lecture: Justice and the Privatization of Health Data
Endowed by a 1992 grant from EMD Serono, Inc.
Kayte Spector-Bagdady, J.D., M.Bioethics
University of Michigan

3:45 pm - 5:00 pm Symposia
Risk Management: Patient Education, Compliance and Consenting.
Lindsey McBain, B.A. (Chair)
IVI RMA NJ
Heather Ross, J.D.
Ross and Zuckerman
Brad Senstra, M.H.A.
Seattle Reproductive Medicine
Sue Jasulaitis, M.S.N., R.N.
Fertility Centers of Illinois

Egg Freezing - Are You Ready for Prime Time? Developing and Implementing an Egg Freezing Program in Your Practice: What Does the Science Say?
Paul C. Lin, M.D. (Chair)
Seattle Reproductive Medicine
Caroline McCaffrey, Ph.D., H.C.L.D.
New York University Fertility Center
Tamara M. Tobias, N.P.
Seattle Reproductive Medicine
Kimball O. Pomeroy, Ph.D.
The World Egg Bank
MONDAY, OCTOBER 14, 2019

Access to Care
RTM1
Disparities in Male Reproductive Health
Jim Dupree, M.D., M.P.H.
University of Michigan

Androgen Excess
RTM2
AMH in the Diagnosis of Polycystic Ovary Syndrome (PCOS)-New Aspects in Development and Diagnosis
Joop Laven, M.D.
Erasmus University

Assisted Reproductive Technology
RTM3
Current Limitations of Semen Analysis
Sergio Oehninger, M.D., Ph.D.
Sher Institute

Assisted Reproductive Technology
RTM4
REIs and legislative advocacy: Choosing your issues, finding your voice
Amanda Kallen, M.D.
Yale University

Assisted Reproductive Technology
RTM5
Conducting Research with SART Data - Setting the Stage for Success
Sangita Jindal, Ph.D.
Einstein COM, Montefiore

Chinese Reproductive Medicine
RTM6
Human Oocytes and Embryo Selections
Ping Xia, M.D., Ph.D.
Johns Hopkins School of Medicine

Early Pregnancy
RTM7
Fibroids and Other Structural Abnormalities and Pregnancy Loss: The Latest Data and Recommendations
Jennifer Mersereau, M.D.
University of North Carolina at Chapel Hill

Endometriosis
RTM8
Nutritional Supplementation for Women with Endometriosis - What We Know and What We Don’t.
James Nodler, M.D.
Houston In Vitro Fertilization (IVF)

Environment and Reproduction
RTM9
Endocrine Disrupting Chemicals and Fertility: An Update
Carmen Messerlian, Ph.D.
Harvard T.H. Chan School of Public Health

Fertility Preservation
RTM10
Fertility Preservation for Men with Benign and Malignant Conditions
Akanksha Mehta, M.D., M.S.
Emory University

Fibroids
RTM11
Health Disparities and Uterine Fibroids
Erica Marsh, M.D.
University of Michigan

Genetic Counseling
RTM12
Limits and Complications of Genetic Screening in Egg Donors
Amber Gamma, M.S., C.G.C.
Northwell Health Fertility

Imaging in Reproductive Medicine
RTM13
Utilization and Value of Testicular Sonogram in Evaluation of Infertility
Richard Levin, M.D.
Urodocs

Indian Reproductive Medicine
RTM14
Fertility Preservation in Cancer Patients
Madhuri Patil, M.D.
Clinical Director of Dr. Patil’s Fertility & Endoscopy Clinic, Bangalore

Legal
RTM15
Legal and Ethical Considerations When Representing the ”Non-Traditional” Family
Deborah Guston, J.D.
Guston & Guston, L.L.P.

RTM16
Insurance Concerns in Fertility Arrangements
Amani Hassoun, J.D.
Vorzimer Masserman

LGBTQ
RTM17
Not-So-Secret “Anonymous Egg Donations”: How Home DNA Testing, Donor Registries, and Social Media Are Turning the Donor World Upside Down
Will Halm, J.D.
International Reproductive Law Group
Male Reproduction and Urology

RTM18
The Current Role of Varicocele Repair in Optimizing Male Fertility and Assisted Reproductive Technology (ART) Outcomes
Ed Kim, M.D.
University of Tennessee

RTM19
Optimizing Male Fertility Utilizing Life Style Modifications
Michael Eisenberg, M.D.
Stanford University

Mental Health

RTM20
The Assisted Reproductive Technology (ART) of Couple Satisfaction
Kristy Koser, Ph.D., L.P.C.C.
Aporia Counseling and Psychotherapy, PLLC

RTM21
Surrogacy and the Modern Family: Addressing the Ethical and Emotional Challenges of Complex Gestational Surrogacy Cases
Lisa Schuman, L.C.S.W.
The Center for Family Building

Nurses

RTM22
Calling All Donor Nurse Coordinators: Communication and Education of Disclosure Strategies in the Era of 23andMe
Patricia Hershberger, Ph.D., R.N., F.N.P.
UIC College of Nursing

RTM23
How is Your Advanced Practice Provider Best Utilized?
Hayley Eichlin, D.N.P., A.P.R.N., W.H.N.P.-B.C.
Reproductive Medical Associates of New Jersey

Nutrition

RTM24
Weighing the Evidence on Vitamin D and Reproduction
Anne Marie Jukic, Ph.D.
National Institute of Environmental Health Sciences

Preimplantation Genetic Testing

RTM25
Progress in Comprehensive PGT
Dagan Wells, Ph.D., I.V.I., R.M.A.
University of Oxford

RTM26
PGT for Late-Onset Disorders
Svetlana Rechitsky, Ph.D.
Reproductive Genetic Innovations

Regenerative Medicine and Stem Cell Biology

RTM27
Stem Cell Therapy for Premature Ovarian Insufficiency
Ayman al-Hendy, M.D., Ph.D.
University of Illinois at Chicago

RTM28
Understanding Mosaicism – What You Need to Know
Amy Jones, M.S.
Ovation Fertility

RTM29
Overview on emerging technologies and breakthrough research in Assisted Reproductive Technology (ART)
Rebecca Krishner, Ph.D.
Colorado Center for Reproductive Medicine

Reproductive Endocrinology and Infertility

RTM31
Opening Your Door to Same Sex Male Couples and a Process for Your Practice
Mark Leondires, M.D.
Reproductive Medicine Associates of Connecticut

RTM32
Cultivating the Use of Social Media in Your Practice
Kenan Omurtag, M.D.
Washington University School of Medicine

RTM33
Optimal management of Recurrent Pregnancy Loss
Lisa Bernardi, M.D.
Northwestern University

Reproductive Managers

RTM34
Staying Together for the Kids: Clear Expectations that Partners and Associates Need to Agree Upon in Order to Grow the Practice and Avoid Separation
Griffin Jones, B.A.
Fertility Bridge

RTM35
Managing Patient Complain and Setting Expectations
Beth Hume, B.A.
Seattle Reproductive Medicine

Reproductive Surgery

RTM36
Intrauterine Adhesion Prevention – a Global and Scientific Perspective
Joe Findley, M.D.
University of Vermont

RTM37
Laparoscopic Tissue Extraction Techniques – Pearls to Maximize Success
Zaraq Khan, M.D.
Mayo Clinic
**SCIENTIFIC CONGRESS & EXPO**

**PRELIMINARY PROGRAM**

**3... ROUNDTABLE DISCUSSIONS**

**TUESDAY, OCTOBER 15, 2019**

**Contraception**

**RTT6**
Incorporating the Use of Mifepristone Pretreatment for Medical Management of Miscarriage Into Your Practice
Sarita Sonalkar, M.D., M.P.H.
University of Pennsylvania

**Early Pregnancy**

**RTT7**
Obesity and Pregnancy Loss
Christina Boots, M.D., M.S.C.I.
Northwestern University

**Educational Modalities**

**RTT8**
Educational Strategies for an Effective Journal Club
Ranjith Ramasamy, M.D.
University of Miami

**Endometriosis**

**RTT9**
Are Most In Vitro Fertilization (IVF) Failures Due to Undiagnosed Endometriosis?
Bruce Lessey, M.D.
Wake Forest School of Medicine

**Environment and Reproduction**

**RTT10**
Air Pollution and Human Fertility: What is the Evidence and what can your patients do?
Audrey Gaskins, Sc.D.
Emory University

**Fertility Preservation**

**RTT11**
Fertility Preservation for the Transgender Patient
Evelyn Mok-Lin, M.D.
University of California, San Francisco

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**Androgen Excess**

**RTT1**
Weight Gain and Ovulation Induction in Polycystic Ovary Syndrome (PCOS)
Wendy Vitek, M.D.
University of Rochester

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**Assisted Reproductive Technology**

**RTT2**
National Trends in In Vitro Fertilization (IVF) Practice, Lessons From the SART Database
Jennifer Kawwass, M.D.
Emory University

**RTT3**
Expanded Versus Targeted Genetic Testing Before Pregnancy: Discussion of Guidelines, Options, and Cost Effectiveness
Heather Hipp, M.D.
Emory University

**RTT4**
An Update on Immunomodulatory treatment in Reproductive Medicine and Early Pregnancy
Abey Eapen, M.B.B.S., Ph.D., D.R.C.O.G.
University of Iowa

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**Complimentary and Integrative Medicine**

**RTT5**
The Pros and Cons of In House Integrative Medicine & What’s Best for Your Clinic
Steven Mavros, L.O.M., M.A.D.M.
Healing Arts Center of Philadelphia

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**Spanish Reproductive Medicine**

**RTM38**
Hysteroscopy Fibroid Resection: Pearls for Challenging Cases
Pres Parry, M.D.
University of Mississippi

**RTM39**
Estados Asociados Que Modifican El Éxito De Implantación
Emilio Valerio, M.D.
AMMR

**Turkish Reproductive Medicine**

**RTM40**
Current State and Individualized Success Rates of Oocyte Cryopreservation
Aylin Cil, M.D.
American Hospital - Istanbul, Turkey

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**CONTRACEPTION**

**RTT6**
Incorporating the Use of Mifepristone Pretreatment for Medical Management of Miscarriage Into Your Practice
Sarita Sonalkar, M.D., M.P.H.
University of Pennsylvania

**EARLY PREGNANCY**

**RTT7**
Obesity and Pregnancy Loss
Christina Boots, M.D., M.S.C.I.
Northwestern University

**EDUCATIONAL MODALITIES**

**RTT8**
Educational Strategies for an Effective Journal Club
Ranjith Ramasamy, M.D.
University of Miami

**ENDOMETRIOSIS**

**RTT9**
Are Most In Vitro Fertilization (IVF) Failures Due to Undiagnosed Endometriosis?
Bruce Lessey, M.D.
Wake Forest School of Medicine

**ENVIRONMENT AND REPRODUCTION**

**RTT10**
Air Pollution and Human Fertility: What is the Evidence and what can your patients do?
Audrey Gaskins, Sc.D.
Emory University

**FERTILITY PRESERVATION**

**RTT11**
Fertility Preservation for the Transgender Patient
Evelyn Mok-Lin, M.D.
University of California, San Francisco
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<tr>
<th>Topic</th>
<th>RTT</th>
<th>Title</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>Genetic Counseling</td>
<td>RTT 12</td>
<td>Direct To Consumer (DTC) Genetic Testing: Exploring the Benefits, Limitations and What to Do When a Patient Brings Results to the Clinic</td>
<td>Rachel Donnell, M.M.Sc., L.C.G.C. Seattle Reproductive Medicine</td>
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<td>Health Disparities</td>
<td>RTT 13</td>
<td>Climate and health Challenges in Vulnerable Populations</td>
<td>Rubin Alvero, M.D. Stanford University</td>
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<td>Legal</td>
<td>RTT 14</td>
<td>Legal and Ethics Challenges in Independent Surrogacy Arrangements</td>
<td>Molly O'Brien</td>
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<td>Legal Care Consulting</td>
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<td>Preimplantation Genetic Testing</td>
<td>RTT 24</td>
<td>Prospect for Non Invasive PGT</td>
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<td>Mandy Katz-Jaffe Colorado Center for Reproductive Medicine in Lone Tree, CO</td>
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<td>RTT 18</td>
<td>Is there a role for testosterone use in women?</td>
<td>Jan Shifren, M.D. Massachusetts General Hospital</td>
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<td>Reproductive Biology and Technology</td>
<td>RTT 19</td>
<td>Is Sharing really Caring? The Use of Self-Disclosure in Infertility Counseling</td>
<td>Julie Bindeman, Psy.D. Integrative Therapy of Greater Washington</td>
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<td>CBT for Recurrent Pregnancy Loss: Benefits, Limitations, and Alternatives</td>
<td>Danielle Kaplan, Ph.D. NYU Langone</td>
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<td>Nurses</td>
<td>RTT 21</td>
<td>Tips From a Third Party Nurse on Ways to Improve Our LGBTQ Patients’ Experience</td>
<td>Michelle Flanagan, B.S.N., R.N. IVI-RMA Global</td>
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<td>Pediatric and Adolescent Gynecology</td>
<td>RTT 22</td>
<td>Pediatric and Adolescent Gynecology from A to Z</td>
<td>Serena Chan, M.D. University of Pittsburgh</td>
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<td>Reproductive Endocrinology and Infertility</td>
<td>RTT 23</td>
<td>How to Do Research Using Publicly Available Databases and Biorepositories</td>
<td>Zaher Merhi, M.D. New Hope Fertility Center</td>
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<td>The Ethics of Baby Making in the Age of CRISPR</td>
<td>Sigal Klipstein, M.D. InVia Fertility</td>
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**Patient-Centered Approach to Azoospermia: Choosing the Best Technique for Sperm Retrieval**
Thomas Walsh, M.D. Washington University
Reproductive Immunology

RTT30
Immune Etiology of Recurrent Pregnancy Loss
Joanne Kwak-Kim, M.D., M.P.H.
Chicago Medical School, Rosalind Franklin University of Medicine and Science

RTT31
Immune Etiology of Recurrent Pregnancy Loss
Joanne Kwak-Kim, M.D., M.P.H.
Chicago Medical School, Rosalind Franklin University of Medicine and Science

Reproductive Managers

RTT31
HIPAA Headaches and Ways to Avoid Them
Linsey McBain, B.A.
IVI RMA NJ

RTT32
Racial differences in fibroid care - why is this happening?
Erica Marsh, M.D.
University of Michigan

RTT33
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University of California, San Francisco

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William Kearns, Ph.D.
Johns Hopkins University School of Medicine, Advagenix

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Zaraq Khan, M.D.
Mayo Clinic

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Rachael Cabey, M.S., L.C.G.C.
CooperGenomics

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Qiwei Yang, Ph.D.
University of Illinois at Chicago

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University of Illinois College of Medicine at Chicago

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Cornell University

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Stephanie Nichols-Burns, Ph.D.
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Heather Hipp, M.D.
Emory University

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Olarik Musigavong, M.D., M.Sc.
Chaophya Abhaibhubejhr Hospital, Thailand

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Natan Bar-Chama, M.D.
Reproductive Medicine Associates of New York

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Robert Brannigan, M.D.
Northwestern University

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Mary Vietzke, B.S.N., R.N.
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Angela Grassi, M.S., R.D.N., L.D.N.
Polycystic Ovary Syndrome (PCOS) Nutrition Center

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Eric Forman, M.D.
University of Columbia, USA

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Charles Strom, M.D., Ph.D.
Celmatix

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Philip Jordan, Ph.D.
Johns Hopkins University Bloomberg School of Public Health

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T. Arthur Chang, Ph.D., E.L.D., H.C.L.D.
University of Texas Health Science Center

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John Whitney, B.S.
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University of Pennsylvania

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Northwestern University

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Christopher Herndon, M.D.
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Jessica Medvedich, M.B.A., B.S.N., R.N.
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Ercan Bastu, M.D.
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