

*Society for Reproductive Investigation*



*Immunology and Women's Health*

**Preliminary Program**



62<sup>nd</sup> SRI Annual Scientific Meeting • San Francisco, CA • March 25-28, 2015

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## Dates to Remember

Call for Late-breaking abstracts	January 7, 2015
Abstract Notification	January 12, 2015
Late-breaking abstracts Deadline	February 4, 2015
Advance Registration Deadline	February 17, 2015
Housing Deadline	March 1, 2015
Last day to register online	March 1, 2015

## 62<sup>ND</sup> SRI Annual Scientific Meeting Venue

Hilton San Francisco  
333 O'Farrell Street  
San Francisco, CA USA

## Future Educational Events

- 8<sup>th</sup> International DIP Symposium on Diabetes, Hypertention, Metabolic Syndrome & Pregnancy • April 15 – 18, 2015 • Berlin, Germany
- 6<sup>th</sup> IVI International Congress • April 23 – 25, 2015 • Alicante, Spain
- Society of Endometriosis and Uterine Disorder Congress • May 7 – 9, 2015 • Paris, France
- Society for the Study of Reproduction 48<sup>th</sup> Annual Meeting • June 18 – 22, 2015 • San Juan, Puerto Rico
- Gynecologic Oncology Group Semi Annual Meeting • July 15 – 19, 2015 • Denver, CO
- FIGO World Congress of Gynecology and Obstetrics • October 4 – 9, 2015 • Vancouver, Canada
- The American Society for Cell Biology Annual Meeting • December 12 – 16, 2015 • San Diego, CA

## Chair's Message

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Dear Colleagues,

We are looking forward to seeing you at the 62<sup>nd</sup> Annual Meeting of the newly named Society for Reproductive Investigation (SRI), which will be held from Wednesday, March 25<sup>th</sup> to Saturday, March 28<sup>th</sup>, 2015, in San Francisco, CA! On behalf of the Program Committee, we would like to highlight the exciting scientific program for this year's meeting. The overall theme selected is "Immunology and Women's Health," and we have two phenomenal, Presidential Distinguished Lecturers. The first is Dr. Bruce Beutler, who was co-awarded the Nobel Prize in Physiology or Medicine in 2011 and is currently the Raymond and Ellen Willie Distinguished Chair in Cancer Research, Director of the Center for Genetics of Host Defense, and Regental Professor in the Department of Immunology at the UT Southwestern Medical Center. He will focus on a more global aspect of immunology, and his talk is entitled, "Sensing and responding to microbes: A forward genetic approach."

As our second Presidential Distinguished lecturer, we are also fortunate to have Dr. Peggy Petroff, a leading reproductive scientist and immunologist who will be speaking on "Autoimmune-mediated Premature Ovarian Failure: Knocking the AIRE out of fertility." This talk will highlight a major paradigm shift in how we think about immune tolerance to self and its effects on fertility and pregnancy loss.

Following the traditional lines of the SRI Annual Meeting, there will also be a new investigator plenary session, a total of 14 outstanding mini-symposia, and several oral concurrent and poster sessions. This meeting will also host the third annual Connection Corners session, which has been a hugely popular and successful event that engages trainees with the more senior members of the society. Furthermore, we are also excited to introduce a "Toolbox" session that will highlight methodologies in bioinformatics processing and flow cytometry, a dedicated lounge area for junior investigators so they have the opportunity to meet other scientific contemporaries, and two simultaneous sessions geared toward career development for early-stage and mid-career investigators. And of course, the main meeting will be preceded by a full day of exceptional satellite meetings.

We look forward to seeing you, and we hope that you will also encourage your colleagues to attend, as showcasing the excellence of SRI will only continue to improve the caliber of science at our annual meeting.

All the best,

Stephen Matthews, Ph.D.  
SRI Program Committee Chair

Emily Su, M.D., M.S.  
2015 Scientific Program Director

### 2015 Program Committee

Stephen Matthews, Ph.D. — University of Toronto  
Bo Rueda, Ph.D. — Massachusetts General Hospital  
Emily J. Su, M.D., M.S. — Northwestern University  
Emre Seli, M.D. — Yale University  
Sam Mesiano, Ph.D. — Case Western Reserve University  
Charles Ducsay, Ph.D. — Lorna Linda University

# General Meeting Information

## Meeting Description

The SRI Annual Meeting gathers leading scientists and clinical investigators annually to share cutting edge information in reproductive sciences and women's health. The Annual Meeting will feature an outstanding lineup of distinguished plenary speakers, 14 mini-symposia sessions, several New Investigator events and excellent scientific and oral poster presentations.

## Meeting Location

Hilton San Francisco  
333 O'Farrell Street  
San Francisco, CA  
(415) 771-1400

## Meeting Objectives

- To highlight key roles of immunology and its scientific principles in women's health
- To feature the most recent and high caliber science dedicated to reproductive investigation
- To facilitate scientific exchange between scientists dedicated to women's health and reproductive science

## Target Audience

Scientists and clinical investigators who conduct basic, translational and clinical investigation in reproductive sciences and women's health.

## No Smoking Policy

Smoking is not permitted during any SRI activity or event.

## Website

For more information on the Society for Reproductive Investigation, visit our website at [www.sri-online.org](http://www.sri-online.org).

## Attire

Business (suits) or business casual (polo or dress shirts, sport coats) are appropriate for SRI sessions.





## Location Information

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### About San Francisco

San Francisco is a popular tourist destination, known for its cool summers, fog, steep rolling hills, eclectic mix of architecture, and landmarks such as the Golden Gate Bridge, cable cars, the former prison on Alcatraz Island, and its Chinatown District.

### Hilton San Francisco Union Square

Located in the center of the Theater District, there are many attractions just a short walk away from the hotel. Within walking distance are Union Square, the San Francisco Shopping Center, City Hall and AT&T Park. You can also use the historic cable cars, attend a show at one of the nearby theaters, stroll through Golden Gate Park or Fisherman's Wharf, or try out some of the many near-by restaurants. Nearby excursions could include wine tasting in the Napa or Sonoma valleys, or hiking in Muir Woods National Monument.

### Airports

#### San Francisco International Airport (SFO)

Information Service Phone: (650) 821-8211

Website: [www.flysfo.com](http://www.flysfo.com)

Distance from airport to hotel: 14 miles

Approximate cost of taxi from airport to hotel: \$41.00

Driving directions from airport to hotel: Take Highway 101 North and exit at 7<sup>th</sup> Street. Turn right on Folsom Street, then left on 5<sup>th</sup> Street. Turn left onto Ellis Street past Mason St. Garage entrance is on Ellis Street. Approximate drive time is 30 minutes.

#### Metropolitan Oakland International (OAK)

Website: [www.oaklandairport.com](http://www.oaklandairport.com)

Information Service Phone: (510) 563-3300

Distance from airport to hotel: 20 miles

Approximate cost of taxi from airport to hotel: \$60.00

Driving directions from airport to hotel: Take Highway 880 North. Take exit 46/80W towards San Francisco/Bay Bridge. Exit at 5<sup>th</sup> Street in San Francisco. Continue right at Cyril Magnin then left on Ellis St. Hotel garage is one block ahead between Mason & Taylor Streets. Approximate drive time is 40 minutes.

### Nearby Restaurants

Within 1 city block:

[Cityhouse](http://www.cityhouse.com/san-francisco) — [www.cityhouse.com/san-francisco](http://www.cityhouse.com/san-francisco)

Food Type: classic American

Serves: Breakfast, Lunch, Dinner

Within 2 city blocks:

[farmer brown](http://www.farmerbrown.com) — [www.farmerbrown.com](http://www.farmerbrown.com)

Food Type: classic Southern cuisine

Serves: Dinner, Weekend Brunch

[Ryoko's Japanese Restaurant & Bar](http://www.ryokos.com) — [www.ryokos.com](http://www.ryokos.com)

Food Type: sushi

Serves: Dinner

[John's Grill](http://www.johnsgrill.com) — [www.johnsgrill.com](http://www.johnsgrill.com)

Food Type: seafood & steak

Serves: Lunch, Dinner

[Bio](http://www.biologiquesf.com) — [www.biologiquesf.com](http://www.biologiquesf.com)

Food Type: vegetarian, vegan, soups & sandwiches

Serves: Breakfast, Lunch, Dinner

Within 3 city blocks:

[Café Encore](#)

Phone: (415) 433-6549

Food Type: coffee/tea, juice bar & smoothies, sandwiches

Serves: Breakfast, Lunch, Dinner

### Transportation

[Taxi Companies](#)

Yellow Cab Cooperative

Phone: (415) 333-3333

United Taxicab Workers

Phone: (415) 964-8294

### Parking Options

[Hotel Parking](#)

\$53.58 Garage Parking

\$59.28 Valet Parking

[City Parking](#)

Phone: (800) 232-6415

[www.parkingpanda.com](http://www.parkingpanda.com)

# Registration Information

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## Dates to Remember

Registration Open	October 22, 2014
Advance Registration Deadline	February 17, 2015
Last Day to Register Online	March 1, 2015

Registration Fee	Advance Registration	Onsite Registration
Member	\$500.00	\$680.00
Associate Member	\$400.00	\$580.00
In-Training Member	\$250.00	\$430.00
In-Training Non-Member* (Must Have Support Letter)	\$400.00	\$580.00
Non-Member	\$725.00	\$905.00
Emeritus Member	\$500.00	\$680.00
Emeritus Member 70+	Complimentary (SRI Registration Only)	

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## Session Fees

Satellite Meetings (Wednesday, March 25, 2015)	\$85.00	\$100.00
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*\*All In-Training Non-Member registrations must be accompanied by a letter from the trainee's supervisor confirming the status of the registrant.*

## Cancellations & Refunds

All cancellations must be in writing, emailed to [ndahms@sri-online.org](mailto:ndahms@sri-online.org). Registration fees will be refunded, less a \$165.00 administrative fee if the request is made prior to February 17, 2015. NO REFUNDS will be made on registration cancellations after February 17, 2015.



## Housing Information

### Dates to Remember

Housing Reservation Deadline: March 1, 2015

Online Reservations: [https://resweb.passkey.com/Resweb.do?mode=ep\\_lodgingsselect\\_gi&groupID=34057285](https://resweb.passkey.com/Resweb.do?mode=ep_lodgingsselect_gi&groupID=34057285)

### Reservation Procedures

- Hotel rooms have been blocked at the Hilton Union Square.
- Please make your reservations early, bookings are on a first-come, first-serve basis.
- For any queries about hotel matters, please contact [ndahms@sri-online.org](mailto:ndahms@sri-online.org).
- Deadline for hotel reservations is March 1, 2015
- In order to confirm a room assignment, you will be required to provide a first night's deposit (refundable up to 72 hours in advance of any arrival). Checks and major credit cards are acceptable forms of payment.
- Hotel check-in is 3:00pm and check-out time 12:00pm. All guests arriving before 3pm will be accommodated as rooms become available.

### Cancellation Policy

- Guests who check out before their scheduled departure date will be subject to a \$100.00 early checkout fee. Guests wishing to avoid the fee should advise the Hilton at or before check-in of any change in planned length of stay.

## Exhibits & Social Events

### Celmatix Inc.

54 West 40th Street, New York, NY 10018, USA

Tel: +1 (646) 389-0245; Email: [info@celmatix.com](mailto:info@celmatix.com); Website: [www.celmatix.com](http://www.celmatix.com)

Celmatix is a New York City-based personalized medicine company that leverages big data and genomics to create products that bring greater clarity to the treatment of infertility and pave the way for proactive fertility management.

### Miltenyi Biotec

6125 Cornerstone Court East, San Diego, CA 92121, USA

Tel: +1 (530) 888-8871; Email: [macs@miltenyibiotec.com](mailto:macs@miltenyibiotec.com); Website: [www.miltenyibiotec.com](http://www.miltenyibiotec.com)

Miltenyi Biotec's mission is to improve scientific understanding and medical progress. We provide products and services that advance biomedical research and cellular therapy. Honoring this mission drives our commitment to support the translation of basic research into therapy in the areas of immunology, cancer, neuroscience and stem cell biology. We innovate products that address sample preparation, separation of cells and their analysis, and that advance the concept of cellular therapy. "Researchers working for researchers" is our promise to provide pioneering products to our customers.

### Welcome Reception

Join us for socializing, wine and light appetizers.

### Connection Corners: Bringing Trainees Together

New and Mid-Career Investigators are invited to come meet and 'connect' with Senior Investigators about jobs, career advice or just for some friendly banter. Drinks and light appetizers provided.



# Meeting Overview

Subject to change

## Tentative Meeting Overview

	Wednesday, March 25	Thursday, March 26	Friday, March 27	Saturday, March 28
Morning	7:00 a.m. – 7:00 p.m. Registration  8:30 a.m. – 5:00 p.m. Satellite Meetings	7:00 a.m. – 6:00 p.m. Registration  6:30 a.m. – 7:30 a.m. Bayer Breakfast Series I  7:00 a.m. – 8:00 a.m. Career Development Meeting (Committee Members Only)  7:45 a.m. – 10:00 a.m. President’s Welcome Address, President’s Distinguished Lecture, New Investigator Plenary  10:00 a.m. – 12:00 p.m. Poster Session I	8:00 a.m. – 5:00 p.m. Registration  6:45 a.m. – 7:45 a.m. Bayer Breakfast Series II  7:00 a.m. – 8:00 a.m. Minority Career Development Session  8:00 a.m. – 9:00 a.m. Presidents Distinguished Lecture II  9:00 a.m. – 11:00 a.m. Poster Session II  11:00 a.m. – 12:30 p.m. Concurrent Oral Presentations II  11:45 a.m. – 1:00 p.m. Pfizer Presidents Awards (Invitation Only)	8:00 a.m. – 1:00 p.m. Registration  6:45 a.m. – 7:45 a.m. Bayer Breakfast Series III  7:45 a.m. – 9:45 a.m. Poster Session III  10:00 a.m. – 11:30 a.m. President’s Address, Awards Ceremony, Distinguished Scientist Award and Lecture  11:30 a.m. – 12:00 p.m. Lunch Break
Afternoon	8:30 a.m. – 5:00 p.m. Satellite Meetings	12:00 p.m. – 1:30 p.m. Lunch Symposium  12:00 p.m. – 1:30 p.m. Past Presidents Lunch (Invitation only)  1:45 p.m. – 3:45 p.m. Concurrent Oral Presentations I  3:45 p.m. – 4:00 p.m. Coffee Break  4:00 p.m. – 6:00 p.m. Mini Symposia I	12:45 p.m. – 2:00 p.m. Toolbox Symposium: Cutting Edge Techniques  2:00 p.m. – 4:00 p.m. Mini Symposia II  4:00 p.m. – 4:15 p.m. Coffee Break  4:15 p.m. – 5:45 p.m. Concurrent Oral Presentations III	12:00 p.m. – 1:00 p.m. Hot Topics  1:15 p.m. – 2:45 p.m. Concurrent Oral Presentations IIII  3:00 p.m. – 3:30 p.m. Best New Investigator Poster Awards  3:45 p.m. – 5:15 p.m. Council Meeting (Council Members Only)
Evening	5:15 p.m. – 6:15 p.m. Career Development Sessions  6:45 p.m. – 8:00 p.m. Opening Reception	6:00 p.m. – 8:00 p.m. Connection Corners	6:00 p.m. – 6:45 p.m. SRI Business Meeting (Members Only)  6:45 p.m. – 7:15 p.m. Wine and Cheese Reception  7:15 p.m. – 8:00 p.m. New Investigator Awards Ceremony	



# Scientific Program

Topics and faculty are preliminary and subject to change.

## Wednesday, March 25

8:30 a.m. – 5:00 p.m.

### Fetal Physiology Satellite Meeting

Organizer: *Lubo Zhang*

Plaza A

#### Morning Session: 8:30 a.m. – 12:00 p.m.

8:30 a.m. – 9:30 a.m. Central and Peripheral Glucocorticoid Synthesis Act as Orchestrators of Developmental Programming

*Peter Nathanielz, M.D., Ph.D., University of Texas Science Center San Antonio*

9:30 a.m. – 10:00 a.m. Break

10:00 a.m. – 11:00 a.m. Fetal Programming in the Vasculature: Glucocorticoids, miRNA and Smooth Muscle Phenotype

*William Pearce, Ph.D., Loma Linda University*

11:00 a.m. – 12:00 p.m. Fetal and Neonatal Cardiac Growth

*Sonnet Jonker, Ph.D., Oregon Health Sciences University*

12:00 p.m. – 1:30 p.m. Lunch

#### Afternoon Session: 1:30 p.m. – 5:00 p.m.

1:30 p.m. – 2:30 p.m. Prevention of Fetal Programming

*George Saade, M.D., University of Texas Medical Branch Galveston*

2:30 p.m. – 3:30 p.m. Sex Dimorphism in Fetal Programming of Adult Health and Diseases

*Chandra Yallampalli, Ph.D., Baylor College of Medicine*

3:30 p.m. – 4:00 p.m. Break

4:00 p.m. – 5:00 p.m. Adrenergic Stimulation Programs Fetal Glucose Metabolism During Intrauterine Growth Restriction

*Sean Limesand, Ph.D., University of Arizona*

8:30 a.m. – 5:00 p.m.

### Placenta Satellite Meeting

Program Director: *Helen N. Jones, Ph.D., Division of Reproductive Sciences and General Thoracic Surgery, Cincinnati Children's Hospital Medical Center, University of Cincinnati, Cincinnati, OH, USA*

Plaza B

#### Morning Session: 8:30 a.m. – 12:00 p.m.

Chairs: *Donald McDonald, M.D., Ph.D., Department of Anatomy, University of California, San Francisco, CA, USA*

*Helen N. Jones, Ph.D., Divisions of Reproductive Sciences and General and Thoracic Surgery, CCMC, University of Cincinnati, OH, USA*

8:30 a.m. – 9:30 a.m. Angiogenesis in Tumors: Lessons and Surprises

*Donald McDonald, M.D., Ph.D., Professor, Department of Anatomy, University of California, San Francisco, CA, USA*

9:30 a.m. – 10:00 a.m. Break

10:00 a.m. – 10:30 a.m. Dark Side of Invasion: An Essential Process in Placental Development and Tumor Progression

*Mehboob Ali, Ph.D., Research Scientist, The Research Institute, Nationwide Children's Hospital, Columbus, OH, USA*

10:30 a.m. – 11:00 a.m. How Elucidating Tumor Biology Can Help Feed the World: Unraveling CXCL12/CSCR5 Signaling

*Ryan Ashley, Ph.D., Assistant Professor, Animal and Range Sciences, New Mexico State University, La Cruces, NM, USA*

11:00 a.m. – 12:00 p.m. Trophoblast Immune Interactions

*Gil Mor, M.D., Ph.D., M.Sc. Professor of Obstetrics, Gynecology, and Reproductive Sciences; Division Director, Reproductive Sciences; Director, Reproductive Immunology Unit and Discovery to Cure; Yale School of Medicine, New Haven, CT, USA*

12:00 p.m. – 1:30 p.m. Lunch

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Wednesday, March 25, continued

### Afternoon Session: 1:30 p.m. – 5:00 p.m.

*Chairs: Vavidel Ganapathy, Ph.D., Signaling & Angiogenesis Program; Biochemistry and Molecular Biology; Physiology, Surgery and Obstetrics and Gynecology, GRU Cancer Center, Georgia Regents University, Augusta, GA, USA*

*Helen Jones, Ph.D., Divisions of Reproductive Sciences and General and Thoracic Surgery, CCHMC, University of Cincinnati, OH, USA*

1:30 p.m. – 2:30 p.m. Amino Acid Transporters in Cancer and Their Relevance to mTOR Signaling  
*Vavidel Ganapathy, Ph.D., Department Chair, Graduate Program in Biochemistry and Cancer Biology; Leader, Signaling & Angiogenesis Program; Regent's Professor of Biochemistry and Molecular Biology; Professor of Physiology, Surgery and Obstetrics and Gynecology; GRU Cancer Center, Georgia Regents University, Augusta, GA, USA*

2:30 p.m. – 3:30 p.m. When a Pregnancy Leads to a Tumor: the Genetics of Gestational Trophoblastic Diseases  
*Rima Slim, Ph.D., Professor, Department of Obstetrics and Gynecology, McGill University Health Centre; Research Scientist, Human Reproduction and Development Axis, Montreal General Hospital; Montreal, QC, Canada*

3:30 p.m. – 4:00 p.m. Break

4:00 p.m. – 5:00 p.m. The Human Placental Project  
*Alan E. Guttmacher, M.D., Director, Eunice Kennedy Shriver National Institute of Child and Human Development National Institutes of Health, Bethesda, MD, USA*

8:30 a.m. – 5:00 p.m.

### Preterm Birth International Collaborative (PREBIC) Satellite Meeting

*Symposium Coordinator: Ramkumar Menon, Ph.D., Assistant Professor, Department of Obstetrics and Gynecology, Maternal-Fetal Medicine & Perinatal Research Division, The University of Texas Medical Branch at Galveston, Galveston, TX, USA*

Yosemite B

### Morning Session: 8:30 a.m. – 12:00 p.m.

*Moderator: Craig Pennell, M.D., Ph.D., PRESIDENT-PREBIC, Associate Professor in Maternal Fetal Medicine School of Women's and Infant's Health; The University of Western Australia, Perth, Australia*

8:30 a.m. – 9:30 a.m. Can Preterm Birth be Prevented, and if so, By How Much?  
*John P. Newnham, M.D., Ph.D., Winthrop Professor of Obstetrics (Maternal Fetal Medicine); Head, School of Women's and Infants' Health; Deputy Dean, Faculty of Medicine, Dentistry and Health Sciences; The University of Western Australia, Perth, Australia*

9:30 a.m. – 10:00 a.m. Break

10:00 a.m. – 11:00 a.m. The Use of Microbicides in the Prevention of Preterm Birth: "Lost in Translation" From Bench to Clinician  
*Three Steps to Heaven: Agent, Patient, Timing*  
*Ronald F. Lamont, M.D., Department of Gynecology and Obstetrics, Clinical Institute, University of Southern Denmark, Odense University Hospital, Odense, Denmark; Division of Surgery, University College of London, Northwick Park Institute of Medical Research Campus, London, UK*  
*Genital Mycoplasmas: Preterm Birth Risk Modifier or Probiotics?*  
*Ramkumar Menon, Ph.D., M.S., Assistant Professor, Department of Obstetrics and Gynecology, Maternal-Fetal Medicine & Perinatal Research Division, The University of Texas Medical Branch at Galveston, Galveston, TX, USA*

11:00 a.m. – 12:00 p.m. Dysregulation of Decidual Cell Progesterone Receptor Activity in Preterm Birth  
*Charles J. Lockwood, M.D., M.H.C.M., Senior Vice President, USF Health; Dean, Morsani College of Medicine, Professor, Obstetrics and Gynecology; University of Florida, Tampa, FL, USA*

12:00 p.m. – 1:30 p.m. Lunch

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Wednesday, March 25, continued

### Afternoon Session: 1:30 p.m. – 5:00 p.m.

*Moderator: Hanns Helmer, M.D., Vice President, PREBIC, Department of Obstetrics and Maternal-Fetal Medicine, Medical University Vienna, Vienna, Austria*

- 1:30 p.m. – 2:00 p.m. Associations Between Risk Indicators and Preterm Birth: A Structural Approach  
*Frederik J.R. Hermans, M.D., Ph.D., Department of Obstetrics and Gynecology, Academic Medical Center Amsterdam, The Netherlands*
- 2:00 p.m. – 2:30 p.m. Stress and Allostatic Load  
*Gerlinde A. Metz, Ph.D., Professor of Neuroscience, Alberta Heritage Medical Senior Scholar, Canadian Centre for Behavioral Neuroscience, Department of Neuroscience, University of Lethbridge, Alberta, Canada*
- 2:30 p.m. – 3:00 p.m. The Uterine Unfolded Protein Response Regulates Gestational Length  
*Jennifer Condon, Ph.D., Associate Professor, Department of Obstetrics and Gynecology, Wayne State University, Perinatal Research Branch, NICHD, C.S. Mott Center for Human Growth and Development Detroit, MI, USA*
- 3:00 p.m. – 3:30 p.m. Diagnostic and Prognostic Value of Biomarkers of Infection and Inflammation in Preterm Birth  
*Marian Kacerovsky, M.D., Ph.D., Department of OB-GYN and Maternal Fetal Medicine, Charles University in Prague, Faculty of Medicine in Hradec Kralove, Hradec Kralove, Czech Republic*
- 3:30 p.m. – 4:00 p.m. Break
- 4:00 p.m. – 5:00 p.m. Preterm Labor – Improving Clinical Outcomes Now and in the Future  
*Jane E. Norman, M.D., FRCOG, FRCPE, FMedSci, Professor of Maternal and Fetal Health; Director of the Tommy's Centre for Maternal and Fetal Health; Vice Principal, Equality and Diversity; University of Edinburgh MRC Centre for Reproductive Health, Queen's Medical Research Institute, Edinburgh, UK*

8:30 a.m. – 5:00 p.m.

### Endometrium Satellite Meeting: Brave New Worlds: Emerging Research Themes

Franciscan A & B

### Morning Session: 8:30 a.m. – 12:00 p.m.

- 8:30 a.m. – 9:30 a.m. Translational Epigenetics in the Endometrium and Endometriosis  
*Gaurang Daftary, M.D., Department of Obstetrics and Gynecology, Mayo Clinic, Rochester, MN, USA*
- 9:30 a.m. – 10:00 a.m. Break
- 10:00 a.m. – 10:30 a.m. Interaction of Genetics and Epigenetics  
*Grant Montgomery, Ph.D., QIMR Berghofer Medical Research Institute, Queensland, Australia*
- 10:30 a.m. – 11:00 a.m. Epigenetic Programming of Endometrial Gene Expression by Estrogens  
*Yuping Zhou, Department of Obstetrics, Gynecology and Reproductive Sciences, Yale University, New Haven, CT, USA*
- 11:00 a.m. – 12:00 p.m. Tissue Engineering of the Endometrium  
*Linda Griffith, Ph.D., Center for Gynepathology Research, Massachusetts Institute of Technology, Cambridge, MA, USA*
- 12:00 p.m. – 1:30 p.m. Lunch

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Afternoon Session: 1:30 p.m. – 5:00 p.m.

- 1:30 p.m. – 2:30 p.m. The Future of Microbiome Based Medicine  
*Eric Alm, Ph.D., Department of Biological Engineering, Massachusetts Institute of Technology, Cambridge, MA, USA*
- 2:30 p.m. – 3:00 p.m. Human Endometrial Microbiota, Reality or Fiction?  
*Carlos Simon, M.D., Ph.D., Department of Obstetrics and Gynecology, Valencia University, Valencia, Spain*
- 3:00 p.m. – 3:30 p.m. Think Global, Act Local: Regulation of the Endometrial Microenvironment in Reproductive Health and Disease  
*Douglas Gibson, Ph.D., MRC Centre for Reproductive Health, University of Edinburgh, UK*
- 3:30 p.m. – 4:00 p.m. Break
- 4:00 p.m. – 4:30 p.m. Maternal-Fetal Interactions: A Role for Trophoblast-Derived Exosomes  
*Margaret G. Petroff, Ph.D., Department of Pathobiology and Diagnostic Investigation, Michigan State University, East Lansing, MI, USA*

8:30 a.m. – 5:00 p.m.

## Myometrium Satellite Meeting

Yosemite A

*Symposium Coordinators: Rachel Tribe, Ph.D., Reader in Women's Health, Division of Women's Health, King's College London, Women's Health Academic Centre, King's Health Partners, London, UK*  
*R. Ann Word, M.D., Professor of Obstetrics and Gynecology, University of Texas Southwestern Medical Center, Dallas, TX, USA*

## Morning Session: 8:30 a.m. – 12:00 p.m.

- 8:30 a.m. – 9:00 a.m. Of Mice and Men: Multi-Omics "gang aft a-gley"  
*Phillip Bennett, M.D, Professor of Obstetrics and Gynecology; Director of the Institute of Reproductive and Development Biology; Imperial College, London, UK*
- 9:00 a.m. – 9:30 a.m. Gene Promoter Occupancy in the Myometrial Genome: What is the Role of NF- $\kappa$ B?  
*Neil Chapman, Ph.D., Department of Reproductive Medicine, University of Sheffield*
- 9:30 a.m. – 10:00 a.m. Break
- 10:00 a.m. – 11:00 a.m. Innate and Adaptive Immune Cells in Term and Preterm Labor  
*Nardhy Gomez-Lopez, Ph.D., Assistant Professor, Director of Perinatal Immunobiology Unit Obstetrics and Gynecology & Immunology and Microbiology School of Medicine, Detroit, MI, USA*
- 11:00 a.m. – 12:00 p.m. Molecular Mechanism Underlying Initiation of Labour  
*Steve Lye, Ph.D., Senior Investigator, Associate Director, Lunenfeld-Tanenbaum Research Institute, Mt. Sinai Hospital, Toronto, Ontario, Canada*
- 12:00 p.m. – 1:30 p.m. Lunch

## Afternoon Session: 1:30 p.m. – 5:00 p.m.

- 1:30 p.m. – 2:30 p.m. Cervical Hyaluronan – It's Not What You Think  
*Mala Mahendroo, Ph.D., Department of OB-GYN, Green Center for Reproductive Biology Sciences, University of Texas Southwestern Medical Center*
- 2:30 p.m. – 3:00 p.m. Investigation Tocolytic Efficacy in Multiple Pregnancy  
*Dr. Sarah Arrowsmith, Department of Cellular and Molecular Physiology, Institute of Translational Medicine, University of Liverpool*
- 3:00 p.m. – 3:30 p.m. Effects of Maternal Nutrition and Inflammation on Risk of Preterm Birth  
*Hyagriv Simhan, M.D., Chief, Division of Maternal-Fetal Medicine, Magee Women's Hospital, University of Pittsburgh Medical Center*
- 3:30 p.m. – 4:00 p.m. Break
- 4:00 p.m. – 5:00 p.m. Genomics, Human Evolution and Birth Timing  
*Louis Muglia, M.D., Ph.D., Director, Center for Prevention of Preterm Birth; Professor of Pediatrics, University of Cincinnati*



# Scientific Program

Topics and faculty are preliminary and subject to change.

## Wednesday, March 25, continued

3:00 p.m. – 6:00 p.m.	Registration	Yosemite Foyer
5:15 p.m. – 6:15 p.m.	New Investigator Career Development Session: Good Grantsmanship: The Key to Success <i>Thomas Jansson, M.D., Ph.D., University of Colorado School of Medicine</i> <i>Stephen Matthews, Ph.D., University of Toronto</i>	Plaza A
5:15 p.m. – 6:15 p.m.	Mid-Career Investigator Career Development Session: Discovery and Development Process for Therapeutics and Diagnostics <i>Thomas J. Musci, M.D., Chief Medical Officer, Ariosa Diagnostics</i> <i>Ken Song, M.D., Chief Executive Officer, Ariosa Diagnostics</i>	Plaza B
6:45 p.m. – 8:00 p.m.	Opening Reception	Imperial A & B

## Thursday, March 26

6:30 a.m. – 7:30 a.m.	Bayer Breakfast Series I: What's New in Menopausal Hormone Therapy 2015? <i>Nanette Santoro, M.D., Professor and E. Stewart Taylor Chair of Obstetrics and Gynecology University of Colorado School of Medicine</i>	Imperial A
7:00 a.m. – 8:00 a.m.	Career Development Meeting (Career Development Committee Only)	Union Square 3 - 4
7:00 a.m. – 6:00 p.m.	Registration	Yosemite Foyer
7:45 a.m. – 10:00 a.m.	Welcome Address, New Investigator Plenary, President's Distinguished Lecture	Continental 5 - 6
7:45 a.m. – 8:00 a.m.	President's Welcome Address <i>Serdar Bulun, M.D., Northwestern University, Chicago, IL, USA</i> <i>Hugh Taylor, M.D., Yale University, New Haven, CT, USA</i>	
8:00 a.m. – 9:00 a.m.	Presidential New Investigator Plenary Session	
8:00 a.m. – 8:15 a.m.	Impaired Development of Early Endometriotic Lesions in CD 44 Knockout Mice <i>Jennifer Knudtson, M.D.</i>	
8:15 a.m. – 8:30 a.m.	Hsa-miR-30d Is Transported By Exosomes From Human Endometrial Epithelium To the Trophectoderm of Preimplantation Embryos and Modulates Embryo <i>Nuria Balaguer, Ph.D.</i>	
8:30 a.m. – 8:45 a.m.	A Targeted Drug Delivery System for the Uterus <i>Jonathan Paul, Ph.D.</i>	
8:45 a.m. – 9:00 a.m.	Molecular Evidence of Functional Progesterone <i>Lubna Nadeem, Ph.D.</i>	
9:00 a.m. – 10:00 a.m.	President's Distinguished Lecture I Sensing and Responding to Microbes: A Forward Genetic Approach <i>Bruce Beutler, M.D.</i> <i>2011 Nobel Laureate in Physiology or Medicine</i> <i>University of Texas Southwestern Medical Center</i> <i>Raymond and Ellen Whillie Distinguished Chair in Cancer Research</i> <i>Director, Center for Genetics of Host Defense</i> <i>Regental Professor, Department of Immunology</i>	
10:00 a.m. – 12:00 p.m.	Poster Session I	Grand Ballroom A & B

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Thursday, March 26, continued

- 12:00 p.m. – 1:30 p.m. **Lunch Symposium: Progestogens and Preterm Birth: From its Molecular Effects on the Uterus and Cervix to its Role in Prevention of Spontaneous Preterm Birth** Continental 5 – 6
- The Current Use of Progestogens in the Clinical Prevention of Spontaneous Preterm Birth  
*Hy Simhan, M.D.*
- Physiology of Progesterone/PR Signaling in the Pregnancy Myometrium  
*Sam Mesiano, Ph.D.*
- The Role of Progestogens in Cervical Remodeling  
*Michael House, M.D.*
- 12:00 p.m. – 1:30 p.m. **Past President's Lunch (By invitation only)** Union Square 3 - 4
- 1:45 p.m. – 3:45 p.m. **Concurrent Oral Presentations I**
- Clinical Perinatology** Continental 1 – 3
- 1:45 p.m. – 2:00 p.m. Hypothalamic Pituitary Adrenal Axis Hormones Are Reduced in Obese Pregnancy  
*Laura Stirrat, MBCHB*
- 2:00 p.m. – 2:15 p.m. Mid-Pregnancy Amniotic Fluid Bisphenol A Concentrations and Adverse Pregnancy Outcomes  
*Shaofu Li, Ph.D.*
- 2:15 p.m. – 2:30 p.m. Maternal Whole Blood Gene Expression Predicts Spontaneous Preterm Birth in Asymptomatic Women as Early as 18 Weeks Gestation  
*Yujing Jan Heng, Ph.D.*
- 2:30 p.m. – 2:45 p.m. Baseline Uterine Tone in Labor: Does It Matter?  
*Kristina A. Eplin, M.D.*
- 2:45 p.m. – 3:00 p.m. Placental Shape and Neonatal Body Composition  
*Nicole E. Marshall, M.D.*
- 3:00 p.m. – 3:15 p.m. Paradigm Shift: Large Neonatal Head Circumference Is More Predictive of Instrumental or Operative Delivery and Neonatal Complications Than Birthweight  
*Simcha Yagel, M.D.*
- 3:15 p.m. – 3:30 p.m. White Matter Oxygenation Measured By T2\* Blood Oxygen Level Dependent (BOLD) Magnetic Resonance Imaging (MRI) Is Lower in Small for Gestational Age (SGA) Fetuses Compared To Gestation Matched Healthy Controls  
*Fiona C. Denison, M.D.*
- 3:30 p.m. – 3:45 p.m. Giving Birth To a Low Birth Weight Child (LBW) and Risk of Cardiovascular Disease (CVD): Effect of Traditional CVD Risk Factors  
*Radek Bukowski, M.D., Ph.D.*
- Gynecology** Imperial A
- 1:45 p.m. – 2:00 p.m. The Role of IGF2 Signaling in Fibroid Stem Cell Function and Fibroid Pathogenesis  
*Molly B. Moravek, M.D., MPH*
- 2:00 p.m. – 2:15 p.m. Epigenetic Regulation of DNA Damage/Repair Signaling Pathway in Human Uterine Fibroids  
*Qiwei Yang, Ph.D.*
- 2:15 p.m. – 2:30 p.m. The Decreased Endometrial Expression of Leukemia Inhibitory Factor and Interleukin-11 at the Implantation Window of Adenomyosis Patients  
*Chih-Feng Yen, M.D.*
- 2:30 p.m. – 2:45 p.m. Effect of Usage and Type of Hormonal Contraception (HC) on Anti-Mullerian Hormone (AMH) Levels in Young African American Women (AAW)  
*Marissa L. Steinberg, M.D.*
- 2:45 p.m. – 3:00 p.m. Tubal Ligation May Induce Quiescence of Distal Fallopian Tube Epithelia: A Potential Mechanism for Risk Reduction of Serous Carcinomas  
*Ekaterina Tiourin*

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Thursday, March 26, continued

- 3:00 p.m. – 3:15 p.m. Inflammaging of Uterosacral Ligaments: A Novel Estrogen Modulated Mechanism of Pelvic Organ Prolapse  
*Ritsuko Iwanaga, Ph.D.*
- 3:15 p.m. – 3:30 p.m. Silicone Vs. Water-Based Lubricant for Symptomatic Vaginal Dryness After Breast Cancer: Preliminary Findings From a Randomized Trial  
*Martha Hickey, M.D., Ph.D.*
- 3:30 p.m. – 3:45 p.m. The Effects of Hormones on Skin Wrinkles and Rigidity Vary By Race: 4 Year Follow-Up for Skin Characteristics Ancillary Study of the KEEPS Trial  
*Carter M. Owen, M.D.*

### Maternal Biology and Health

Continental 7 – 9

- 1:45 p.m. – 2:00 p.m. Dose Dependent Association Between Number of Consecutive Miscarriages and Cardiovascular Disease Later in Life – Evidence From a Scottish Cohort.  
*Marise M. Wagner, M.D.*
- 2:00 p.m. – 2:15 p.m. Maternal Cardiovascular Risk Profile After a Pregnancy Complicated By Preterm Intrauterine Growth Restriction  
*Blanka Vasak, M.D.*
- 2:15 p.m. – 2:30 p.m. Adipose Tissue Inflammation, ER Stress and Insulin Resistance in Obese Pregnant Mice With Fetal Overgrowth  
*Irving L. Aye, Ph.D.*
- 2:30 p.m. – 2:45 p.m. Placental Lipid Synthetic Pathways Are Impaired By Maternal Insulin Resistance  
*Luciana Lassance, Ph.D.*
- 2:45 p.m. – 3:00 p.m. Estradiol-17 [beta] Stimulates Hydrogen Sulfide Biosynthesis Via Estrogen Receptor (ER $\alpha$ / $\beta$ )—Dependent Mechanism in Uterine Artery Smooth Muscle Cells  
*Thomas J. Lechuga, B.S.*
- 3:00 p.m. – 3:15 p.m. Enhanced Angiotensin Type 2 Receptor-Mediated Vasodilation and Blood Flow in Uterine Arteries of Pregnant Rats  
*Jay Mishra, Ph.D.*
- 3:15 p.m. – 3:30 p.m. Protection From Endotoxin-Induced Hypotension in Pregnancy: Attenuation By CCR2 Deficiency or Pharmacological Inhibition  
*Laura Howe, MRes*
- 3:30 p.m. – 3:45 p.m. Progestins Impair Anti-Viral Host Defense  
*Alicia M. McCarthy, M.D., Ph.D.*

### Parturition I: Cervix, Myometrium, and Membranes

Continental 4

- 1:45 p.m. – 2:00 p.m. Mouse Myometrial Transcriptome Analysis By RNAseq Shows Inflammation Is a Side-Effect, Not a Requisite, for Labor  
*Roberta Migale, M.Sc.*
- 2:00 p.m. – 2:15 p.m. Mechanisms Behind a Novel Tocolytic: Blockade of ANOCTAMIN-1 Inhibits Uterine Contractions By Altering Uterine Smooth Muscle Cell Membrane Potential and Thus Intracellular Calcium Levels  
*Joy Vink, M.D.*
- 2:15 p.m. – 2:30 p.m. Elucidating the Role of miR-143 and miR-145 in Cervical Remodeling and Preterm Birth  
*Lauren Anton, Ph.D.*
- 2:30 p.m. – 2:45 p.m. Key Determinants of Fetal Fibronectin Extra Domain-A (EDA)-Induced Activation of TLR4  
*Yoshitsugu Chigusa, M.D., Ph.D.*
- 2:45 p.m. – 3:00 p.m. Oxytocin Modulates a Unique Set of Human Myometrial MicroRNAs  
*Joanna R. Cook, M.D., MRCOG*

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Thursday, March 26, continued

- 3:00 p.m. – 3:15 p.m. Retosiban (GSK221149) – An Orally Active Oxytocin Receptor Antagonist, Prevents Stretch-Induced Stimulation of Human Myometrial Contractility  
*Alex Moraitis, M.D.*
- 3:15 p.m. – 3:30 p.m. Histone Modifying Enzymes Involved in the Epigenetic Regulation of Labor-Associated Genes in the Amnion  
*Tamas Zakar, M.D., Ph.D.*
- 3:30 p.m. – 3:45 p.m. Progesterone Inhibits a Critical Pathway for Fetal Membrane Weakening, In Vitro  
*D. Kumar, M.D.*

### Preeclampsia I

Continental 5 – 6

- 1:45 p.m. – 2:00 p.m. Large Cohort Microarray Analysis Reveals Subclasses of Common Pregnancy Pathologies With Correlation To Clinical Presentations and Outcomes  
*Brian J. Cox*
- 2:00 p.m. – 2:15 p.m. Poor Placental Vascularization at 12 Weeks of Pregnancy Is Associated With a Specific Cluster of Serum Proteins  
*Roel de Heus, M.D., Ph.D.*
- 2:15 p.m. – 2:30 p.m. The Role of Aryl Hydrocarbon Receptor Activation in Fetoplacental Endothelial Cell Function and Fetal Growth Restriction  
*Anna Palatnik, M.D.*
- 2:30 p.m. – 2:45 p.m. The Role of Ca<sup>2+</sup> Activated Potassium (KCa) Channels in Enhanced Ca<sup>2+</sup> Signaling in Uterine Artery Endothelial Cells (UAEC)  
*Roxanne E. Alvarez, B.S.*
- 2:45 p.m. – 3:00 p.m. Multiple Cytokines and Growth Factors Associated With Preeclampsia Induce Endothelial Dysfunction in HUVECs Via Src Kinase  
*Nauman Khurshid, M.D.*
- 3:00 p.m. – 3:15 p.m. Activating Transcription Factor 3 Is Reduced in Preeclampsia and Negatively Regulates sFlt1 and Soluble Endoglin  
*Tu'uhevaha Kaitu'u-Lino, Ph.D.*
- 3:15 p.m. – 3:30 p.m. Low-Dose Aspirin Reduces the Incidence of Preeclampsia in Women With Multiple Gestations and Elevated Human Chorionic Gonadotropin  
*Anna G. Euser, M.D., Ph.D.*
- 3:30 p.m. – 3:45 p.m. Antiphospholipid Antibody-Induced miR-146a Activates TLR8 in Trophoblast and Is Inhibited By Vitamin D  
*Stefan M. Gysler, B.S.*

### Reproductive Endocrinology and Infertility

Imperial B

- 1:45 p.m. – 2:00 p.m. Distinctive Pattern of miRNAs -200b and -429 Expression in Human Ovulation  
*Tal Imbar, M.D.*
- 2:00 p.m. – 2:15 p.m. Knockout of AIRE (Autoimmune Regulator) Gene Causes Peri-Implantation Fetal Loss and Rapid Reduction in the Ovarian Follicular Reserve  
*Lynda K. McGinnis, Ph.D.*
- 2:15 p.m. – 2:30 p.m. The Effect of Pyrroloquinoline Quinone on Meiotic Progression in Aged Mouse Oocytes Fed a Control and High Fat Diet  
*Violet Klenov, M.D.*
- 2:30 p.m. – 2:45 p.m. The Rate of Serum AMH Decline During Controlled Ovarian Hyperstimulation Is Predictive of IVF Response and Clinical Pregnancy  
*Aaron K. Styer, M.D.*



# Scientific Program

Topics and faculty are preliminary and subject to change.

## Thursday, March 26, continued

- 2:45 p.m. – 3:00 p.m. Altered Local Immune Response in the Granulosa Cells of Women With Polycystic Ovarian Syndrome  
*Jaye Adams, M.D.*
- 3:00 p.m. – 3:15 p.m. Vitamin D Supplementation Increases Serum Levels of Soluble Receptor for Advanced Glycation End Products Among Women With Polycystic Ovary Syndrome  
*Abdulahim Rouzi, M.D., FRCSC*
- 3:15 p.m. – 3:30 p.m. Antioxidants Normalize Obesity-Induced Changes in Gene Expression in Granulosa Cells  
*Monica Mainigi, M.D.*
- 3:30 p.m. – 3:45 p.m. The Weight Is Over: The Impact of Obesity on Antimüllerian Hormone (AMH) in Young African American Women (AAW)  
*Lia A. Bernardi, M.D.*

3:45 p.m. – 4:00 p.m.

**Coffee Break**

Continental Foyer

4:00 p.m. – 6:00 p.m.

**Mini Symposia I**

### **Views of the Basic Immune Biology of Pregnancy: Past, Present and Future**

Continental 5 - 6

*Moderator: Elizabeth Bonney, M.D.*

- 4:00 p.m. – 4:30 p.m. What Part of Pregnancy is Immunologically Dangerous?  
*Polly Matzinger, Ph.D.*
- 4:30 p.m. – 5:00 p.m. Treg Cells at Implantation – MicroRNAs and Other Determinants  
*Sarah Robertson, Ph.D.*
- 5:00 p.m. – 5:30 p.m. Functional Studies of the Microbiota in Health and Diseases of the Female Urogenital Mucus  
*Amanda Lewis, Ph.D.*
- 5:30 p.m. – 6:00 p.m. Animal Models of Maternal and Neonatal Immunity  
*Elizabeth Bonney, M.D.*

### **Impact of Placental Packages on the Maternal Immune System**

Continental 1 – 3

*Moderator: Virginia Winn, M.D., Ph.D.*

- 4:00 p.m. – 4:30 p.m. Biology of Extracellular Vesicles (Exosomes) in the Immune System  
*Adrian Morelli, M.D., Ph.D.*
- 4:30 p.m. – 5:00 p.m. Novel Approaches for Analysis of Pregnancy-Related Extracellular Vesicles  
*Rebecca Dragovic, Ph.D.*
- 5:00 p.m. – 5:30 p.m. Exploring the Role of Placental Exosomes in RA Amelioration  
*Virginia Winn, M.D., Ph.D.*
- 5:30 p.m. – 6:00 p.m. Vesicle-Based miRNA Communication Among the Placental-Maternal-Fetal Compartments  
*Yoel Sadovsky, M.D.*

### **Understanding Prenatal Brain Injury: Advances in Diagnosis and Treatment**

Continental 7 - 9

*Moderator: Irina Burd, M.D., Ph.D.*

- 4:00 p.m. – 4:30 p.m. Understanding Prenatal Brain Injury: Lessons From Animal Models  
*Irina Burd, M.D., Ph.D.*
- 4:30 p.m. – 5:00 p.m. Mechanisms of Inflammation at the Maternal-Fetal Interface  
*Vikki Abrahams, Ph.D.*
- 5:00 p.m. – 5:30 p.m. Cell-Based Therapies for Prenatal White Matter Injury?  
*Michael Johnston, M.D.*
- 5:30 p.m. – 6:00 p.m. Molecular Imaging and Nanotechnology to Prevent CP Caused by IAI  
*Roberto Romero, M.D., D.Med.Sci.*

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Thursday, March 26, continued

### Endometriosis: Revolutions in an Evolutionary Disease

Continental 4

*Moderator: Matt Dyson, Ph.D.*

- 4:00 p.m. – 4:30 p.m. Role of Bone Marrow-Derived Stem Cells in Endometrial Regeneration / Endometriosis  
*Hugh Taylor, M.D.*
- 4:30 p.m. – 5:00 p.m. An Epigenetic GATA Switch Causes Pathological Gene Expression in Endometriosis  
*Matt Dyson, Ph.D.*
- 5:00 p.m. – 5:30 p.m. A Non-Human Primate model of Endometriosis  
*Ov Slayden, Ph.D.*
- 5:30 p.m. – 6:00 p.m. Mechanism-Based Stratification of Endometriosis Patients  
*Linda Griffith, Ph.D.*

### Advances in Fertility Preservation: From Now to Next

Imperial A

*Moderator: Francesca Duncan, Ph.D.*

- 4:00 p.m. – 4:30 p.m. Ovarian Stem Cells: Their Existence and Potential Roles in Infertility Preservation Treatments  
*Evelyn Telfer, Ph.D.*
- 4:30 p.m. – 5:00 p.m. Non-Human Primate Model of Ovarian Cortical Tissue Vitrification and Transplantation for Fertility Preservation  
*Mary Zelinski, Ph.D.*
- 5:00 p.m. – 5:30 p.m. Exploring and Expanding Reproductive Options Through in Vitro Follicle Growth Technologies  
*Francesca Duncan, Ph.D.*
- 5:30 p.m. – 6:00 p.m. Fertility Preservation: A Clinician's Perspective  
*Mary Ellen Pavone, M.D.*

### Digging Deep: Tumor Immunity, Genetics and Genomics Converge in Gynecological Malignancies

Imperial B

*Moderator: Kunle Odunsi, M.D., Ph.D.*

- 4:00 p.m. – 4:30 p.m. Crosstalk Between Cancer Cells and Adipocytes  
*Ernst Lengyel, M.D., Ph.D.*
- 4:30 p.m. – 5:00 p.m. A Novel CD4+ Th Subset Directly Recognizes Tumor in a Non-Classical Fashion: Implications for Ovarian Cancer Immunotherapy  
*Kunle Odunsi, M.D.*
- 5:00 p.m. – 5:30 p.m. Lineage Dependence as a Target for Therapy in High Grade Serous Ovarian Cancer  
*Kevin Elias, M.D.*
- 5:30 p.m. – 6:00 p.m. Targeting FANCD2 as a Novel Strategy for Treatment of Ovarian Cancer  
*Tanja Pejovic, M.D., Ph.D.*

### Unintended Pregnancy: Scope of Problem, Outcomes and Interventions

Franciscan A & B

*Moderator: Alicia Armstrong, M.D.*

- 4:00 p.m. – 4:30 p.m. Scope of Problem  
*Sunni Mumford, Ph.D.*
- 4:30 p.m. – 5:00 p.m. Obstetric Outcomes After Unintended Pregnancies  
*Allison Bryant, M.D., MPH*
- 5:00 p.m. – 5:30 p.m. Interventions  
*Alicia Armstrong, M.D.*
- 5:30 p.m. – 6:00 p.m. Recent Advances in Contraceptive Research  
*David Archer, M.D.*

6:00 p.m. – 8:00 p.m.

### Connection Corners: Bringing Trainees Together

Yosemite A & B

New and Mid-Career Investigators come, meet and 'connect' with Senior Investigators about jobs, career advice or just for some friendly banter. Drinks and light appetizers are provided.

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Friday, March 27, 2015

6:45 a.m. – 7:45 a.m.	<b>Bayer Breakfast Series II: Abnormal Uterine Bleeding (AUB): Does Mechanistic Insight Offer New Targets for Treatment?</b> <i>Hilary OD Critchley, M.D.</i> Professor of Reproductive Medicine MRC Centre for Reproductive Health University of Edinburgh The Queen's Medical Research Institute	Imperial A
7:00 a.m. – 8:00 a.m.	<b>Minority Career Development Session</b>	Yosemite A & B
8:00 a.m. – 9:00 a.m.	<b>President's Distinguished Lecture II</b> Autoimmune-Mediated Infertility: Reconsidering Immune Tolerance to Self <i>Margaret G. Petraff, Ph.D.</i> Associate Professor, Department of Pathobiology and Diagnostic Investigation College of Veterinary Medicine Michigan State University East Lansing, Michigan	Continental 5 - 6
9:00 a.m. – 11:00 a.m.	<b>Poster Session II</b>	Grand Ballroom A & B
11:00 a.m. – 12:30 p.m.	<b>Concurrent Oral Presentations II</b> <b>Developmental Programming I</b>	Continental 5 – 6
11:00 a.m. – 11:15 a.m.	Maternal Obesity Programs a Metabolic Syndrome Phenotype in Rat Offspring That Is Ameliorated By Exercise Even in Old Age: It's Never Too Late <i>Consuelo Lomas, Ph.D.</i>	
11:15 a.m. – 11:30 a.m.	Markers of Insulin Resistance and Mitochondrial Overload in Young, Low Birth Weight, Male Guinea Pig Offspring <i>Kristyn Dunlop, B.S.</i>	
11:30 a.m. – 11:45 a.m.	Perinatal Growth Restriction-Induced Cardiac Remodeling <i>Vani C. Movva, MBBS</i>	
11:45 a.m. – 12:00 p.m.	Antenatal Glucocorticoids Lead To Multigenerational Programming of Behaviour Via Paternal Transmission <i>Vasilis G. Moisiadis, B.Sc.</i>	
12:00 p.m. – 12:15 p.m.	Antioxidants Reverse Obesity-Induced Transcriptomic Changes in Oocytes <i>Kathleen O'Neill, M.D.</i>	
12:15 p.m. – 12:30 p.m.	Exposure To Grandmaternal Low-Protein Diet Gives Rise To Accelerated Reproductive Ageing <i>Catherine E. Aiken, M.D., Ph.D.</i>	
	<b>Gynecology Oncology</b>	Continental 1 – 3
11:00 a.m. – 11:15 a.m.	Gene Signature of PTEN]mutant DICER+/- Endometrial Cancer Predicts Worse Survival <i>Shannon M. Hawkins, M.D., Ph.D.</i>	
11:15 a.m. – 11:30 a.m.	Bazodoxifene Reduces FGF18 Expression in Human Endometrial Stromal Cells In Vitro and in Mice through an Increase in HAND2 Expression <i>Clare A. Flannery, MD.</i>	
11:30 a.m. – 11:45 a.m.	Transferrin Facilitates DNA-Double Strand Breaks Via Transferrin Receptor 1 in Human Fallopian Tubal Epithelial Cells: Possible Involvement of Transferrin in Carcinogenesis <i>Shogo Shigeta, M.D.</i>	
11:45 a.m. – 12:00 p.m.	Cantrixil Induces JNK-Dependent Apoptosis in Ovarian Cancer Stem Cells and Prevents In Vivo Recurrence <i>Ayesha B. Alvero, M.D., M.Sc.</i>	

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Friday, March 27, continued

- 12:00 p.m. – 12:15 p.m. Chemoresistance in Epithelial Ovarian Cancer Cells Is Controlled By Mechanisms Emanating From Chemotherapy-Induced Genotype Switch in Glutathione Peroxidase, Through the Up-Regulation of Cytidine Deaminase  
*Nicole M. Fletcher, Ph.D.*
- 12:15 p.m. – 12:30 p.m. Mutations in the PIK3 Pathway as a Major Determinant of Trastuzumab Resistance in Uterine Serous Carcinoma  
*Jonathan Black, M.D., M.Sc.*

### Placenta I

Imperial A

- 11:00 a.m. – 11:15 a.m. Placental Homing Peptide-microRNA-145 Inhibitor Conjugates for Targeted Enhancement of Placenta Growth  
*Lynda K. Harris, Ph.D.*
- 11:15 a.m. – 11:30 a.m. Role of Irisin in Modulation of Human Trophoblast Differentiation  
*Hamid Reza Kohan-Ghadr, Ph.D.*
- 11:30 a.m. – 11:45 a.m. Secreted Frizzled Related Protein 1 (sFRP1) May Impair Wnt Signaling To Lead To Fetal Growth Restriction  
*Alice M. Wang, M.D.*
- 11:45 a.m. – 12:00 p.m. Alterations To DNA Methylation and Hydroxymethylation in Placenta With Maternal Adiposity  
*Kohzoh Mitsuya, Ph.D.*
- 12:00 p.m. – 12:15 p.m. Multiplexed Genotyping and Concurrent Allele-Specific Expression Analysis for Imprinted Gene Verification in Human Placenta  
*Jill L. Reiter, Ph.D.*
- 12:15 p.m. – 12:30 p.m. A Mouse Model of Advance Maternal Age - Understanding Older Mothers' Vulnerability To Late Stillbirth  
*Samantha C. Lean, B.Sc. (Hons), MRes*

### Pre-Clinical Perinatology Research Models

Imperial B

- 11:00 a.m. – 11:15 a.m. Increased Nitrotyrosine (NT) Expression in the Pancreas of IUGR Fetal Baboons in Late Gestation Indicates That Fetal Nutrient Restriction Promotes Inflammatory Responses and Oxidative Stress (OS) in the Developing Primate Pancreas  
*Ablat Tursun, Ph.D.*
- 11:15 a.m. – 11:30 a.m. Maternal Western-Style Diet Diminishes Placental Perfusion in a Non-Human Primate Model  
*Jamie Lo, M.D.*
- 11:30 a.m. – 11:45 a.m. Maternal Antioxidant Treatment Increases Expression of Genes Regulating Hypoxia Signalling, Sodium Movement and Surfactant Maturation in the Fetal Lung  
*E.V. McGillick, Ph.D.*
- 11:45 a.m. – 12:00 p.m. Specific DAMPs Cause Sterile Inflammation of the Chorioamniotic Membranes and Adverse Perinatal Outcomes  
*Olesya Plazyo, M.Sc.*
- 12:00 p.m. – 12:15 p.m. Reduced Glycolytic Pathway in the Placenta With Maternal Obesity  
*Alina Maloyan, Ph.D.*
- 12:15 p.m. – 12:30 p.m. Dietary-Induced Obesity Suppresses Expression and Alters Rhythmicity of Clock Genes in Maternal Metabolic Tissues During Rat Gestation  
*Rachael C. Crew, B.S.*

### Reproductive Biology I

Continental 4

- 11:00 a.m. – 11:15 a.m. Human Endometrial Stromal Cell Connexin (Cx)43 Responds Reversibly To Hormone Stimulation and Withdrawal and Regulates Markers of Angiogenesis and Mesenchymal-Epithelial Transition (MET)  
*Robert N. Taylor, M.D., Ph.D.*



# Scientific Program

Topics and faculty are preliminary and subject to change.

## Friday, March 27, continued

- 11:15 a.m. – 11:30 a.m. Differences in Phenotypic Features and Hormone Responsiveness Between Healthy Uterine Endometrium and Matched Tubal Epithelium in Women  
*Eve Bunni, M.Phil.*
- 11:30 a.m. – 11:45 a.m. Epigenetic Therapy: Novel Translational Implications for Arrest of Environmental Dioxin Induced Endometriotic Progression  
*Zaraq Khan, MBBS*
- 11:45 a.m. – 12:00 p.m. The miR-200 Family Regulates Mesenchymal-Epithelial Transition in Human Endometrial Stromal Cells During Decidualization  
*Patricia T. Jimenez, M.D.*
- 12:00 p.m. – 12:15 p.m. PER2 Synchronizes Mitotic Transition and Decidual Transformation of Human Endometrial Stromal Cells  
*Joanne Muter, M.Sc.*
- 12:15 p.m. – 12:30 p.m. Expression and Regulation of the Cysteine-Rich Secretory Proteins CRISPs in the Non-Human Primate Reproductive Tract  
*Carol B. Hanna, Ph.D.*

### Stem Cells

Continental 7 – 9

- 11:00 a.m. – 11:15 a.m. Bone Marrow-Derived Cells in Murine Endometrium Express Estrogen Receptor Beta  
*Sara S. Morelli, M.D.*
- 11:15 a.m. – 11:30 a.m. CD146 and CD140b Enrich for Putative Stem/Progenitor Cells in Human Myometrium and Fibroids  
*Amanda L. Patterson, Ph.D.*
- 11:30 a.m. – 11:45 a.m. Spontaneous Single-Copy Deletion of chr17p13.1 in Human Embryonic Stem Cells Improves Cell Survival By Decreasing Expression of TP53  
*Hadar Amir, M.D., Ph.D.*
- 11:45 a.m. – 12:00 p.m. Decellularization of the Rat Uterus Yielded Scaffold Capable of Tissue Regeneration Without Immune Rejection Upon Allotransplantation  
*Kaoru Miyazaki, M.D., Ph.D.*
- 12:00 p.m. – 12:15 p.m. Premature Ovarian Insufficiency (POI) Is Associated With Abnormalities in Ovarian Stem Cells (OSC) in an Allogeneic Non-Human Primate (NHP) Transplant Model  
*Jaelyn Yu, B.S.*
- 12:15 p.m. – 12:30 p.m. 17beta-Estradiol Enhanced CXCL12/CXCR4 Expression Mediates Bone Marrow-Derived Stem Cell Migration To Human Endometrium  
*Xiuli Wang, M.D.*

12:45 p.m. – 2:00 p.m.

### Toolbox Symposium

Continental 5 - 6

#### Advances in Gene Editing: Using CRISPR and TALENs in the Development of Non-Human Primate Disease Models

*Jon D. Hennebold, Ph.D.*  
Oregon National Primate Research Center  
Oregon Health & Science University  
Beaverton, OR

#### Development in FACS – The Latest in Cell Sorting, Analysis, and Reagents

*Rebecca LaFond, Ph.D.*  
Miltenyi Biotec

12:45 p.m. – 2:00 p.m.

### SRI President's-Pfizer Presenter Awards (By invitation Only)

Franciscan A & B

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Friday, March 27, continued

2:00 p.m. – 4:00 p.m.

### Mini-Symposia II

#### Understanding Aging and Age-Induced Impairment in Oocyte Quality

Continental 1 - 3

*In honor of Dr. Robert Jaffe's outstanding contributions to the field of Reproductive Medicine.*

*Moderator: Margareta Pisarska, M.D.*

2:00 p.m. – 2:30 p.m. Ovarian Aging: From DOR to POF – Pathways of Ovarian Dysfunction Margareta Pisarska, M.D.

2:30 p.m. – 3:00 p.m. DNA Repair – An Important Determinant of Oocyte Aging Kutluk Oktay, M.D.

3:00 p.m. – 3:30 p.m. Mitochondrial Dysfunction and Ovarian Aging Andrea Jurisicova, Ph.D.

3:30 p.m. – 4:00 p.m. Exomes, Chromosomes and Ovarian Failure Aleksandar Rajkovic, M.D., Ph.D.

#### Pelvic Organ Prolapse: Recent Insights and New Treatments

Continental 7 - 9

*Moderator: Caroline Gargett*

2:00 p.m. – 2:30 p.m. The Genetic Epidemiology of Pelvic Organ Prolapse Jennifer Wu, M.D., MPH

2:30 p.m. – 3:00 p.m. Inflammaging and Pelvic Support: Is There a Fountain of Youth for the Pelvic Floor? Kathleen Connell, M.D.

3:00 p.m. – 3:30 p.m. Elastogenesis and Role of Estrogen in Pelvic Organ Prolapse R Ann Word, Ph.D.

3:30 p.m. – 4:00 p.m. Endometrial Mesenchymal Stem Cells as Cell-Based Therapy for POP Caroline Gargett, Ph.D.

#### Recent Advances in Leiomyoma Therapy: From Conception to Application

Continental 4

*Moderator: William Catherino, M.D., Ph.D.*

2:00 p.m. – 2:30 p.m. Evolution of Robotic Surgical Management of Uterine Leiomyomas William Catherino, M.D., Ph.D.

2:30 p.m. – 3:00 p.m. Non-Surgical Procedural Leiomyoma Therapies Ebbie Stewart, M.D.

3:00 p.m. – 3:30 p.m. Origins, Advances and Controversies in Hysteroscopic Myomectomy Erica Marsh, M.D.

3:30 p.m. – 4:00 p.m. Medical Management of Leiomyomas: From Bench to Bedside Kristof Chwalisz, M.D., MPH

#### Immunity and Inflammation in Disease of the Fetus, Neonate and Child

Imperial B

*Moderator: Kristina Adams Waldorf, M.D.*

2:00 p.m. – 2:30 p.m. Molecular Mechanisms Linking Placental Infection, Inflammation and Fetal Injury Kristina Adams Waldorf, M.D.

2:30 p.m. – 3:00 p.m. Red Blood Cell Alloimmunization During Pregnancy: a First Look at Mechanisms, Consequences and Potential Therapeutics Jeanne Hendrickson, M.D.

3:00 p.m. – 3:30 p.m. Placental responses mediate adverse effects of maternal immune activation on Neurodevelopment Elaine Hsiao, Ph.D.

3:30 p.m. – 4:00 p.m. Gestational Gene-Immune Interactions in Neurodevelopmental Disorders Theo Palmer, Ph.D.

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Friday, March 27, continued

### Pregnancy Programming and Implications for Long-Term Health

Continental 5 - 6

*Moderator: Jane Norman, M.D.*

- 2:00 p.m. – 2:30 p.m. Developmental Programming – Does it Really Exist? Evidence from Human Studies  
*Jane Norman, M.D.*
- 2:30 p.m. – 3:00 p.m. Placental Nutrient Sensing, Fetal Growth and Later Disease  
*Thomas Jansson, M.D., Ph.D.*
- 3:00 p.m. – 3:30 p.m. Programming by Maternal Over-Nutrition – A Developing Obesity Crisis  
*Susan Ozanne, Ph.D.*
- 3:30 p.m. – 4:00 p.m. Maternal Stress, Placental O-GlcNAc Transferase, and Neurodev Disorders  
*Tracy Bale, Ph.D.*

### Trophoblast Over-Invasion: The Rise of Placenta Accreta

Imperial A

*Moderator: Nicholas Illsley, Ph.D.*

Placenta Accreta: "The New Epidemic"

*Abdulla Al-Khan, M.D.*

Abnormal Vascular Architecture at the Placental-Maternal Interface in Abnormally Invasive Placenta

*Frederic Chantraine, M.D.*

Role in Decidua in Regulating Trophoblast Invasion and Differentiation

*Judith Bulmer, Ph.D.*

Ultrasound Techniques for Quantification of Severity of Abnormally Invasive Placenta

*Sally Collins, M.D.*

Clues to the Molecular Etiology of Placenta Accreta

*Nick Illsley, Ph.D.*

4:00 p.m. – 4:15 p.m.

**Coffee Break**

Continental Foyer

4:15 p.m. – 5:45 p.m.

**Concurrent Oral Presentations III**

### Fetus I

Continental 1 – 3

- 4:15 p.m. – 4:30 p.m. Chronic Fetal Hypoxia in Ovine Pregnancy Triggers a Fetal Origin of Heart Disease That Amplifies With Ageing: Prevention With Maternal Antioxidant Treatment  
*E. J. Camm, Ph.D.*
- 4:30 p.m. – 4:45 p.m. Blockade of T[<sub>3</sub>] Reveals the Maturation of p21 Signaling in Fetal Cardiomyocytes  
*N. N. Chattergoon, Ph.D.*
- 4:45 p.m. – 5:00 p.m. Role of Catecholamines in Maternal-Fetal Stress Transfer  
*Florian Rakers M.D.*
- 5:00 p.m. – 5:15 p.m. Fetal NK Cells Contribute To Late-Gestation Fetal Fitness  
*Beverly Strong, Ph.D.*
- 5:15 p.m. – 5:30 p.m. Altered DNA Methylation and Gene Expression of the IGF Axis in Pregnancies Affected By Fetal Growth Disorders  
*Aamod Nawathe, MRCOG*
- 5:30 p.m. – 5:45 p.m. Inadequate Maternal Acquisition of Immune Tolerance During Pregnancy Leads To Trans-Generational IUGR  
*Daniel A. Kahn, M.D., Ph.D.*

### Gynecology II: Fibroids

Imperial B

- 4:15 p.m. – 4:30 p.m. Targeted Adenoviral Vector Demonstrates Enhanced Efficacy and Safety for In Vivo Gene Therapy of Uterine Leiomyoma  
*Mohamed Abdelaziz, M.D.*

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Friday, March 27, continued

- 4:30 p.m. – 4:45 p.m. Progesterone Dependent Paracrine Activation of RANKL/RANK Signaling in Human Uterine Leiomyoma Stem/Progenitor Cells Drives Tumor Growth  
*Ping Yin, M.D., Ph.D.*
- 4:45 p.m. – 5:00 p.m. Inhibition of MicroRNA 29c Expression in Leiomyomas Leads To Up-Regulation of Extracellular Matrix Proteins and DNA Methyltransferase  
*Omid Khorram, M.D., Ph.D.*
- 5:00 p.m. – 5:15 p.m. Ulipristal Acetate Inhibits Extracellular Matrix Production in Human Leiomyomas In Vivo: A Laboratory Analysis of a Randomized Controlled Trial  
*Jeris Cox, M.D.*
- 5:15 p.m. – 5:30 p.m. Pharmacodynamic Effects and Safety of the Novel Selective Progesterone Receptor Modulator Vilaprisan in Healthy Women  
*Beate Rohde, M.D., Ph.D.*
- 5:30 p.m. – 5:45 p.m. Is There a Relationship Between the Presence of Fibroids and Antimullerian Hormone (AMH) Concentrations in Young African American Women (AAW)?  
*Deboarah E. Ikhenya, M.D.*

### Parturition II: Infection and Microbiome

Continental 5 - 6

- 4:15 p.m. – 4:30 p.m. The Immunoproteasome: A Novel Therapeutic Target for Spontaneous Preterm Birth  
*Stella Liong, Ph.D.*
- 4:30 p.m. – 4:45 p.m. Innate Immune Response To Vaginal Commensals  
*Amy M. Valent, D.O.*
- 4:45 p.m. – 5:00 p.m. Acute Subclinical Maternal Inflammation in Late Pregnancy  
*Maide Ozen, M.D.*
- 5:00 p.m. – 5:15 p.m. Maternal Malnutrition Impacts the Holobiome and Gut Transporters  
*K. L. Connor, Ph.D.*
- 5:15 p.m. – 5:30 p.m. Oral Lactobacillus rhamnosus GR-1 L. reuteri RC-14 Does Not Change the Vaginal Microbiota or Cervico-Vaginal Cytokines in Low Risk Pregnant Women With an Abnormal Nugent Score  
*S. W. Yang, B.S.*
- 5:30 p.m. – 5:45 p.m. Viral dsRNA Augments Fetal Membrane Inflammatory Responses To Bacterial LPS By Disabling the TAM Receptor Pathway  
*Sarah N. Cross, M.D.*

### Placenta II: Invasion/Angiogenesis

Continental 7 – 9

- 4:15 p.m. – 4:30 p.m. Low Molecular Weight Heparin Advances Extravillous Differentiation and Inhibits Cell Death in Human Trophoblast Cells Through HBEGF/ERBB Signaling  
*Alan D. Bolnick, M.D.*
- 4:30 p.m. – 4:45 p.m. HLA-G Induces Human Trophoblast Migration By Interacting With the Ras Effector RIN1  
*Ji-meng Wang, M.D.*
- 4:45 p.m. – 5:00 p.m. Impaired Fetoplacental Angiogenesis in Pregnancies Complicated By Severe Fetal Growth Restriction and Abnormal Umbilical Artery Doppler Velocimetry Is Ameliorated By Rescuing Expression of Aryl Hydrocarbon Receptor Nuclear Translocator (ARNT)  
*Emily J. Su, M.D., M.Sc.*
- 5:00 p.m. – 5:15 p.m. Energy Status and HIF Signaling in Chorionic Villi Show No Evidence of Hypoxic Stress During Human Early Placental Development  
*Tereza Cindrova-Davies, Ph.D.*
- 5:15 p.m. – 5:30 p.m. Type I Interferons Change the Function of 1st To 2nd Trimester Uterine Natural Killer Cells: Consequences for Trophoblast Invasion and Endothelial Network Formation  
*Emiel D. Post Uiterweer, M.D.*
- 5:30 p.m. – 5:45 p.m. Maternal Adiposity Alters Placental BDNF Expression and TRKB Phosphorylation  
*Calais S. Prince, B.S.*

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Friday, March 27, continued

### Preeclampsia II

Continental 4

- 4:15 p.m. – 4:30 p.m. Pravastatin Quenches Preeclampsia in Humans: A Potential Therapeutic  
*Fiona Brownfoot, MBBS*
- 4:30 p.m. – 4:45 p.m. 4-Methoxyestradiol Induces Proliferation Through a Gxi Protein Coupled Receptor-Dependent Mechanism in Uterine Artery Endothelial Cells Derived From Pregnant  
*Ewes Rosalina Villalon Landeros, B.S.*
- 4:45 p.m. – 5:00 p.m. Salivary Uric Acid Levels in Women Destined To Develop Preeclampsia: Longitudinal Prospective Study  
*Bas B. van Rijn, M.D., Ph.D.*
- 5:00 p.m. – 5:15 p.m. Increasing the Arginine/ADMA Ratio By Citrulline Administration at 16-20 Weeks Gestation Decreases Blood Pressure and sFLT1, and Increases PlGF at 35 Weeks in Obese Pregnant Women  
*Robert W. Powers, Ph.D.*
- 5:15 p.m. – 5:30 p.m. Hydrogen Sulphide Rescues Preeclampsia-Like Phenotype Aggravated By High sFlt-1 in Placenta Growth Factor (PlGF) Deficiency  
*Shakil Ahmad, Ph.D.*
- 5:30 p.m. – 5:45 p.m. Decreased Plasma Hemopexin Activity Is Associated With Increased Placental and Monocyte AT-1 Receptor Expression and Lower Plasma Levels of the AT-1 Receptor in Preeclampsia  
*Floor Spaans, Ph.D.*

### Reproductive Biology II

Imperial A

- 4:15 p.m. – 4:30 p.m. Mannose-Binding Lectin (MBL) and Interferon Gamma (IFN $\gamma$ ) Gene Polymorphisms Influence Susceptibility To Blocked Fallopian Tubes  
*Joseph Chervenak*
- 4:30 p.m. – 4:45 p.m. Hydrosalpinx Is Associated With Reduced Ovarian Reserve  
*Shannon Renfrow, M.D.*
- 4:45 p.m. – 5:00 p.m. MCP-1: An Inflammatory Marker That Affects Ovarian Follicular Development in Mice  
*Zaher Merhi, M.D.*
- 5:00 p.m. – 5:15 p.m. Improvement of Corpus Luteum Function in Obese Women Is Associated With Reduced Pro-Inflammatory Cytokines After Exogenous Estradiol Treatment  
*Zain A. Al-Safi, M.D.*
- 5:15 p.m. – 5:30 p.m. Analysis of Nanosorted Oocyte Mitochondrial Subpopulations Reveals Active But Reversible Repression of Non-Respiring Mitochondria  
*Kshama Chandrasekhar, Ph.D.*
- 5:30 p.m. – 5:45 p.m. Antiphospholipid Antibody-Induced Trophoblast miR-146a and IL-8 Is Regulated By the TAM Receptor Ligand Gas6  
*Vikki M. Abrahams, Ph.D.*

6:00 p.m. – 6:45 p.m.

SRI Business Meeting (Members only)

Continental 5 - 6

6:45 p.m. – 7:15 p.m.

Wine and Cheese Reception

Continental Foyer

7:15 p.m. – 8:00 p.m.

New Investigator Awards Ceremony

Continental 5 - 6

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Saturday, March 28

6:45 a.m. – 7:45 a.m.	Bayer Breakfast Series III: Endometriosis in 2015: Modern Management <i>Charles Chapron, M.D.</i> Professor and Chair, Obstetrics, Gynecology and Reproductive Medicine, CHU Cochin, Paris, France Vice Dean of Paris Descartes University	Imperial A
7:45 a.m. – 9:45 a.m.	Poster Session III	Grand Ballroom A & B
8:00 a.m. – 1:00 p.m.	Registration	Yosemite Foyer
10:00 a.m. – 11:30 a.m.	President's Address, Awards Ceremony and SRI-Pardi Distinguished Scientist Award and Lecture	Continental 5 – 6
10:00 a.m. – 10:30 a.m.	<b>Presidential Address</b>	
10:30 a.m. – 10:45 a.m.	<b>Awards Ceremony</b> President's Achievement Award Frederick Naftolin Award for Mentorship Rogerio A Lobo Award	
10:45 a.m. – 11:30 a.m.	<b>SRI-Pardi Distinguished Scientist Award and Lecture</b> <i>Fifty Years After Huxley: The Roadmap of Reproductive Medicine Revisited and Updated</i> <i>Eli Y. Adashi, M.D., M.S., CPE, FACOG</i> Professor of Medical Science and of Obstetrics and Gynecology Former Dean of Medicine and Biological Sciences The Warren Alpert Medical School Brown University	
11:30 a.m. – 12:00 p.m.	Lunch Break (Boxed Lunch Provided)	Continental Foyer
12:00 p.m. – 1:00 p.m.	Hot Topics	Continental 5 – 6
1:15 p.m. – 2:45 p.m.	Concurrent Oral Presentations IV <b>Developmental Programming II</b>	Imperial A
1:15 p.m. – 1:30 p.m.	Prenatal Hypoxia Reduces In Vivo Cardiac Function in Offspring Guinea Pigs <i>Loren P. Thompson, Ph.D.</i>	
1:30 p.m. – 1:45 p.m.	Xanthine Oxidase (XO) Inhibition as Therapy for the Interaction Between Developmental Hypoxia and Ageing in Promoting Cardiovascular Disease <i>Risk B. J. Allison, Ph.D.</i>	
1:45 p.m. – 2:00 p.m.	Accelerated Aging of Cardiac Function in Offspring of Undernourished Pregnant Baboons <i>Peter W. Nathanielsz, M.D., Ph.D.</i>	
2:00 p.m. – 2:15 p.m.	Conjugated Linoleic Acid Supplementation Ameliorates Maternal Obesity-Induced Programming of Metabolic Dysfunction in Male Rat Offspring <i>Stephanie A. Segovia, B.S.</i>	
2:15 p.m. – 2:30 p.m.	Gestational Protein Restriction Causes Hyperglycemia By Affecting IRS-1 Tyrosine Phosphorylation and the Dysregulation of Akt-GSK3 Signaling in Adult Female Offspring <i>Chellakkan S. Blesson, Ph.D., M.Sc.</i>	
2:30 p.m. – 2:45 p.m.	Sex Differences on the Effects of Antenatally To Glucocorticoids on Insulin Resistance in Lean and Obese Adult Sheep <i>Jorge P. Figueroa, M.D., Ph.D.</i>	
	<b>Epidemiology/Population Health/Global Health</b>	Continental 1 – 3
1:15 p.m. – 1:30 p.m.	Preterm Neonatal Death and Morbidity By Gestational Age: A Contemporary Cohort <i>T. Manuck, M.D.</i>	
1:30 p.m. – 1:45 p.m.	Obstetrical Mode of Delivery and Childhood Mental Illness and Behavior in a British Cohort <i>Eileen A. Curran, MPH</i>	



# Scientific Program

Topics and faculty are preliminary and subject to change.

## Saturday, March 28, continued

- 1:45 p.m. – 2:00 p.m. Maternal Use of Oral Contraceptives and Risk of Birth Defects  
*Brittany M. Charlton, Sc.D.*
- 2:00 p.m. – 2:15 p.m. The Exposure To Known Hazardous Air Pollutants During Pregnancy Varies Significantly Within a Large Urban Population  
*Jerasimos Ballas, M.D., MPH*
- 2:15 p.m. – 2:30 p.m. Predictors and Modifying Factors for New Onset Depression During the Menopause Transition: A Large Prospective Cohort Study  
*Martha Hickey, M.D., Ph.D.*
- 2:30 p.m. – 2:45 p.m. Utilization of Emergency Departments for Care of Menstrual Disorders: Analyses Using the Nationwide Emergency Department Sample (NEDS)  
*Jamie M. McGuire, M.D., MPH*

### Fetus II

Continental 7 – 9

- 1:15 p.m. – 1:30 p.m. Prenatal Glucocorticoid Treatment Matures the Fetal Blood-Brain Barrier (bbb) and Alters Responsiveness To TGF- $\beta$ 1  
*Stephanie Baello, B.S.*
- 1:30 p.m. – 1:45 p.m. Mouse Model of Intrauterine Inflammation: Role of Maternal Glucose Supplementation  
*Jun Lei, Ph.D.*
- 1:45 p.m. – 2:00 p.m. Blockade of Steroid Sulfatase Augments Fetal Hypothalamus-Pituitary-Adrenal Axis Activity in Late Gestation Fetal Sheep  
*Charles E. Wood, Ph.D.*
- 2:00 p.m. – 2:15 p.m. Placental Estrogen Suppresses Cyclin D1 Expression in the Nonhuman Primate Fetal Adrenal Cortex  
*Eugene D. Albrecht, Ph.D.*
- 2:15 p.m. – 2:30 p.m. The Effect of Maternal Sildenafil Citrate on the Growth Restricted Fetal  
*Lamb Charlotte J. Oyston, MB ChB, BMedSci*
- 2:30 p.m. – 2:45 p.m. Targeting Mitochondria-Derived Reactive Oxygen Species (ROS) as Protective Therapy Against Fetal Origins of Cardiovascular Disease  
*K. L. Skeffington, B.A.*

### Gynecology III: Endometriosis

Imperial B

- 1:15 p.m. – 1:30 p.m. Epigenetically Altered Immune Responses Determine Lesion Morphology and Clinical Presentation in Endometriosis  
*Abigail A. Delaney, M.D.*
- 1:30 p.m. – 1:45 p.m. Lentiviral Mediated Genetic Manipulation of a Model of Endometriosis  
*Cynthia Barbara, M.D.*
- 1:45 p.m. – 2:00 p.m. Platelets Are Responsible for Impaired Natural Killer Cell Cytotoxicity in Endometriosis  
*Sun-Wei Guo, Ph.D.*
- 2:00 p.m. – 2:15 p.m. Altered Protein Expression After Induction of Endometriosis in Baboons Using a Proteomics Approach  
*Dorien O, M.Sc.*
- 2:15 p.m. – 2:30 p.m. miR451 Is Over-Expressed in Human Endometriotic Implant Tissue and Targets Macrophage Migration Inhibitory Factor To Reduce Cell Survival  
*Warren B. Nothnick, Ph.D.*
- 2:30 p.m. – 2:45 p.m. Metformin Inhibits CYP19A1 and StAR Expression in Human Endometriotic Stromal Cells Via AMPK-Mediated Disruption of CREB-CRTC2 Complex Formation  
*Qing Xue, M.D., Ph.D.*

# Scientific Program

Topics and faculty are preliminary and subject to change.

## Saturday, March 28, continued

### Parturition III: Hormones and Inflammation

Continental 4

- 1:15 p.m. – 1:30 p.m. Notch Signaling Is Activated in Inflammation-Induced Preterm Labor and Its Inhibition Reduces the Pro-inflammatory Response  
*Varkha Agrawal, Ph.D.*
- 1:30 p.m. – 1:45 p.m. ERK1/2 MAPK, But Not COX-2, Mediates Interleukin(IL)-1 $\beta$  Decreased Progesterone Receptor Expression in Decidual Cells: A Potential Signaling Pathway That Triggers Functional Progesterone Withdrawal During Inflammation Induced Preterm Birth  
*Umit A. Kayisli, Ph.D.*
- 1:45 p.m. – 2:00 p.m. PGF2 $\alpha$  Promotes Uterine Transformation Through Positive Feedback Interactions and Synergy With IL-1 $\beta$  in Human Myometrium Smooth Muscle Cells (HMSMC)  
*Kelycia B. Leimert, B.Sc.*
- 2:00 p.m. – 2:15 p.m. Progesterone Receptor-A Stability and Repressive Activity Is Increased By Proinflammatory Stimuli in Human Myometrial Cells  
*Gregory A. Peters, Ph.D.*
- 2:15 p.m. – 2:30 p.m. Preterm Cervical Ripening Is More Complex Than Progesterone Withdrawal  
*Annika Lindqvist, Ph.D.*
- 2:30 p.m. – 2:45 p.m. Amniotic Fluid Telomere Fragments: Fetal Signals for Parturition?  
*Faranak Behnia, M.D.*

### Placenta III

Continental 5 – 6

- 1:15 p.m. – 1:30 p.m. Maternal Folate Deficiency Inhibits Placental mTOR Signaling and Amino Acid Transporter Activity and Causes Fetal Growth Restriction in Mice  
*Frederick J. Rosario, Ph.D.*
- 1:30 p.m. – 1:45 p.m. CGI-58 Is a Key Regulator of Selective Trans-Placental Transfer of Long-Chain Polyunsaturated Fatty Acids (LCPUFA)  
*Yoel Sadovsky, M.D.*
- 1:45 p.m. – 2:00 p.m. Sodium Selenite Protects Syncytiotrophoblast Mitochondrial Respiration Under Conditions of Maternal Obesity and Oxidative Stress  
*LaShauna Evans, Ph.D.*
- 2:00 p.m. – 2:15 p.m. Involvement of STAT3 in the Induction of COX-2 Expression By Cortisol in Human Amnion Fibroblasts  
*Wangsheng Wang, Ph.D.*
- 2:15 p.m. – 2:30 p.m. Placental Macrophages (Hofbauer Cells) Infected With Herpesvirus Activate Human Umbilical Vein Endothelial Cells (HUVECs) Through an IL-1 $\beta$ -Dependent Mechanism  
*Paul W. Hendrix, D.O.*
- 2:30 p.m. – 2:45 p.m. Alarmins Potently Induce Inflammation in Placental Cells and Impair Trophoblast Turnover  
*Sylvie Girard, Ph.D.*

3:00 p.m. – 3:30 p.m.

**Best New Investigator Poster Award**

Continental 5 - 6

Coffee and snack provided

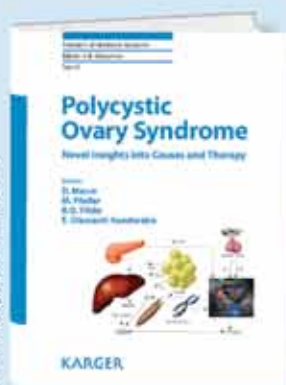
3:45 p.m. – 5:15 p.m.

**SRI Council Meeting (Council Members Only)**

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## Polycystic Ovary Syndrome

Novel Insights into Causes and Therapy

Editors: Djuro Macut, Marija Pfeifer, Bulent Okan Yildiz, Evanthia Diamanti-Kandarakis

X + 178 p., 11 fig., 3 in color, 10 tab., hard cover, 2013  
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## Pediatric and Adolescent Gynecology

2nd, revised and extended edition

Editor: Charles Sultan

VIII + 396 p., 65 fig., 4 in color, 49 tab., hard cover, 2012  
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### Selected Contents

**Polycystic Ovary Syndrome: Definitions, Phenotypes and Diagnostic Approach:** Livadas, S.; Diamanti-Kandarakis, E.  
**Pathophysiology of Polycystic Ovary Syndrome: The Role of Hyperandrogenism:** Catteau-Jonard, S.; Dewailly, D.  
**Genetics of Polycystic Ovary Syndrome:** Barber, T.M.; Franks, S.  
**Obesity, Adipokines and Metabolic Syndrome in Polycystic Ovary Syndrome:** Carmina, E.  
**Cardiovascular Risk and Subclinical Cardiovascular Disease in Polycystic Ovary Syndrome:** Bajuk Studen, K.; Jensterle Sever, M.; Pfeifer, M.  
**Insulin Sensitizers in Polycystic Ovary Syndrome:** Pasquali, R.; Gambineri, A.  
**Combined Oral Contraceptives in Polycystic Ovary Syndrome – Indications and Cautions:** Bozdag, G.; Yildiz, B.O.  
**Infertility Treatment in Polycystic Ovary Syndrome: Lifestyle Interventions, Medications and Surgery:** Panidis, D.; Tziomalos, K.I.; Papadakis, E.; Katsikis, I.  
**Endocrinopathies and Other Disorders Inducing a Polycystic Ovary Syndrome Phenotype:** Alexandraki, K.I.; Kaltsas, G.A.  
**Non-Classical Adrenal Hyperplasia due to the Deficiency of 21-Hydroxylase and Its Relation to Polycystic Ovarian Syndrome:** Pignatelli, D.

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**Background and Tools**  
**Gynecologic Clinical Examination of the Child and Adolescent:** Cheikhelard, A. et al.  
**Normal Female Puberty in a Developmental Perspective:** Bourguignon, J.-P.; Juul, A.  
**Endocrine Evaluation of Reproductive Function in Girls during Infancy, Childhood and Adolescence:** Juul, A. et al.  
**Diagnostic Methods in Pediatric and Adolescent Gynecology:** Bauman, D.

**The Prepubertal Girl**  
**Disorders of Sex Development: Neonatal Diagnosis and Management:** Paris, F. et al.  
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**Ovarian Cysts in Prepubertal Girls:** Pienkowski, C. et al.  
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**The Adolescent Girl**  
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Presented annually to a senior member of the Society who has made significant and lasting contributions to the Society for scientific research in reproductive medicine.

### President's Achievement Award

Presented annually to a junior member of the Society whose record in scientific investigation is outstanding and assures a continued productive career in research.

### Frederick Naftolin Award for Mentorship

Established in 2003 to recognize the contributions of a member of the Society to training and career development of investigators in the field of reproductive and women's health. The award is named in honor of Dr. Naftolin, a former President of the Society and staunch advocate for creating a mechanism for the Society to celebrate outstanding service to our scientific community through excellence in mentoring.

### Rogério A. Lobo Award

Established in 2007 to recognize the most outstanding contribution to *Reproductive Sciences* by a member of the Society. The award is named in honor of Dr. Lobo, a former President of the Society and former Editor-in-Chief of the *Journal of the Society for Gynecologic Investigation* (JSGI) which is now *Reproductive Sciences*.

### Pfizer-SRI President's Presenter's Award

Originally established to recognize the 25 most meritorious abstracts (either poster or oral presentation) submitted by individuals still in training, the award is used as a means by which to encourage young investigators to present their research at the meeting and to result in the submission of more and better abstracts by those who need encouragement to consider a research career. Fellows and those in both pre and post-doctoral training are eligible to receive the award, which has been generously funded by Pfizer. The 25 awardees will receive a certificate and a check, and their training directors will be honored at a reception.

### Giorgio Pardi Foundation President's Presenter's Award

The Giorgio Pardi Foundation President's Presenter Award recognizes the highest ranked abstract within the field of fetal medicine and placental function by a junior investigator still in training. This abstract is presented at the President's New Investigator Plenary Session and is generously funded by the Giorgio Pardi Foundation, which supports young researchers in the field of obstetrics and gynecology and fosters worldwide scientific cooperation.

The Giorgio Pardi Foundation Travel Awards provides three travel awards to the most highly ranked abstracts submitted from investigators in-training from Italy.

### Laxmi Baxi Award

Awarded to Ph.D. individuals who are either graduate students still in training or postdoctoral fellows within five years of their Ph.D. degree to encourage young Ph.D. trainees to present their research at the Annual Meeting. Two \$2,000 travel awards will be given to the top abstracts in basic reproductive science and in translational reproductive science. The awardees receive a plaque, check and are honored at the SRI Annual Meeting.

### SRI Poster Awards

Awarded to the 20 Best Investigator-in-Training Poster Presentations and presented during a ceremony at the SRI Annual Meeting.

### Thomas McDonald Award

The Thomas McDonald Foundation Travel Award acknowledges the highest ranked abstract by an investigator-in-training within the field of fetal neuroscience. This award honors the legacy of Dr. McDonald, whose immense contributions to the field of obstetrics and gynecology focused upon the neuroendocrinology of the developing fetus, placental function, fetal brain development, and uterine contractility.

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## About SRI

Sixty-One years ago, a small group of investigators studying hypertensive disorders of pregnancy proposed formation of an “Eclampsia” or “Toxemia” society. The first official meeting of “Society of University Gynecologists” was held on June 15, 1953, at the Yale Club in New York City. The name was formally changed to “Society for Gynecologic Investigation” at the annual meeting in Chicago the following year. New strategic planning initiated a change to align the Society’s name with current membership needs and goals, and the name officially changed to “Society for Reproductive Investigation” in July 2014.

The Premier Scientific Organization in Obstetrics and Gynecology, the SRI (formerly SGI) now has 1,051 members throughout the world. One-third are basic scientists and two-thirds are clinical investigators. SRI members conduct basic, translational and clinical investigation in the reproductive sciences and women’s health. Areas of focus included obstetrics, perinatology, reproductive genetics, gynecology and gynecologic oncology, endocrinology, reproductive physiology, biochemistry, pharmacology, immunology, epidemiology, reproductive infectious disease and reproductive stem cell and developmental biology.

## Mission Statement

The mission of the Society of Reproductive Investigation (SRI) is to advance reproductive and women’s healthcare through outstanding basic, translational, and clinical science and by training and mentoring future generations of investigators.

## Membership

**Regular Membership** may be conferred on those individuals who provide evidence of a doctorate degree (M.D., Ph.D., D.Pharm.) and evidence of at least two (2) years of research experience including, but not limited to, postdoctoral, basic science or clinical fellowship. While a minimum of two (2) years should have been spent in this research career, there is no requirement that the nominee should have worked at his/her current institution for two (2) years. Eligible individuals must be nominated. Upon election to membership the newly elected member and sponsoring member will be notified of the fact of his/her election.

**Associate Membership** is for individuals involved in research and/or health care in Obstetrics and Gynecology, Reproductive Medicine and Biology, or allied fields. This category includes laboratory managers, technologists, clinical research nurses and study coordinators, medical marketing and promotion, non-academic-based researchers, pharmaceutical/biotechnology representatives, among others.

**Emeritus Membership** status is granted to full members upon request at his/her sixty-fifth birthday and official retirement. The member may elect to stay active for as long as he/she wishes. Once a member elects emeritus status, he/she shall be entitled to all the rights and privileges of the Society, but will not be asked to vote.

**Honorary Membership** in the SRI is awarded to an individual who has achieved recognition for scientific contributions of an original nature in reproductive biology in which he/she has personally actively participated. This person should have demonstrated by past performance and future objectives that this interest in reproductive biology is dynamic. The individual need not necessarily occupy a position in an institution of higher learning, nor necessarily function in a medical or paramedical area. Honorary Members shall enjoy all of the rights and privileges of other members of the Society, except that they shall not be required to pay any dues or assessments, shall not be entitled to vote at any regular or special meetings of members, nor to hold any elective or appointive office in the Society.

**In Training Membership** is available for members who are not in a faculty position. They must be a full-time postdoctoral trainee, resident, fellow or student enrolled in a formal approved training program leading to a degree (B.A., B.S., M.D., Ph.D., M.S., M.P.H., D.V.M.). Candidates will be proposed by a member in good-standing of the society. The In Training member will pay nominal dues sufficient to cover administrative costs, may participate in all activities of the society and subscribe to the society’s journal if desired but may not sponsor abstracts or vote. The maximum length of time an individual may stay in the In Training category is eight (8) years. Requests for extension beyond this limit until completion of training will be considered on an individual basis by the Membership Committee. This status expires when the member completes training at which time application for regular membership is expected.

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\*All In-Training Non-Member registrations must be accompanied by a letter from the trainee's supervisor confirming the status of the registrant.

SATELLITE MEETINGS – MARCH 25, 2015 8:30AM – 5:00PM

<input checked="" type="checkbox"/>	SESSION CODE	SESSION NAME	ADVANCE	ONSITE
<input type="checkbox"/>	100A	Fetal Physiology Satellite Meeting	\$85.00	\$100.00
<input type="checkbox"/>	100B	Placenta Satellite Meeting	\$85.00	\$100.00
<input type="checkbox"/>	100C	Preterm Birth Satellite Meeting	\$85.00	\$100.00
<input type="checkbox"/>	100D	Endometrium Satellite Meeting	\$85.00	\$100.00
<input type="checkbox"/>	100E	Myometrium Satellite Meeting	\$85.00	\$100.00

MINI SYMPOSIA SESSIONS – MARCH 26, 2015 4:00PM – 6:00PM (No extra charge)

<input checked="" type="checkbox"/>	SESSION CODE	SESSION TITLE
<input type="checkbox"/>	200A	Views of the Basic Immune Biology of Pregnancy: Past, Present and Future
<input type="checkbox"/>	200B	Impact of Placental Packages on the Maternal Immune System
<input type="checkbox"/>	200C	Understanding Prenatal Brain Injury: Advances in Diagnosis and Treatment
<input type="checkbox"/>	200D	Endometriosis: Revolutions in an Evolutionary Disease
<input type="checkbox"/>	200E	Advances in Fertility Preservation: From Now to Next
<input type="checkbox"/>	200F	Digging Deep: Tumor Immunity, Genetics and Genomics Converge in Gynecological Malignancies
<input type="checkbox"/>	200G	Unintended Pregnancy: Scope of Problem, Outcomes and Interventions

**MINI SYMPOSIA SESSIONS – MARCH 27, 2015 2:00PM – 4:00PM (No extra charge)**

<input checked="" type="checkbox"/>	SESSION CODE	SESSION TITLE
<input type="checkbox"/>	300A	Trophoblast Over-Invasion: The Rise of the Placenta Accreta
<input type="checkbox"/>	300B	Pregnancy Programming and Implications for Long-Term Health
<input type="checkbox"/>	300C	Immunity and Inflammation in Disease of the Fetus, Neonate and Child
<input type="checkbox"/>	300D	Recent Advances in Leiomyoma Therapy: From Conception to Application
<input type="checkbox"/>	300E	Understanding Aging and Age-Induced Impairment in Oocyte Quality
<input type="checkbox"/>	300F	Pelvic Organ Prolapse: Recent Insights and New Treatments

**CAREER DEVELOPMENT SESSIONS – MARCH 25, 2015 5:15PM – 6:15PM**

<input checked="" type="checkbox"/>	SESSION CODE	SESSION TITLE
<input type="checkbox"/>	150A	Career Development Session: Effective Communication
<input type="checkbox"/>	150B	Career Development Session: Discovery and Development Process for Therapeutics and Diagnostics
<input type="checkbox"/>	150C	Career Development Session: Minority Career Development March 27 – 7:00 a.m. – 8:00 a.m.

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**CANCELLATIONS & REFUNDS**

All cancellations must be in writing, emailed to [ndahms@sri-online.org](mailto:ndahms@sri-online.org). Registration fees will be refunded, less a \$165.00 administrative fee if the request is made prior to February 17, 2015. NO REFUNDS will be made on registration cancellations after February 17, 2015



# Society for Reproductive Investigation



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