



Society for Reproductive Investigation

Prioritizing Reproductive Research in Times of Limited Resources



63rd Annual Scientific Meeting
March 16-19, 2016
MONTREAL, CANADA
Palais des Congres de Montreal

www.sri-online.org

Final Program

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63RD SRI ANNUAL SCIENTIFIC MEETING VENUE

Palais des Congres de Montreal
1001 Place Jean-Paul-Riopelle
Montreal, Quebec H2Z 1H2
Canada
Phone: +1-514-871-8122
Toll-Free: 1-800-268-8122

FUTURE SRI MEETINGS

- SRI 64th Annual Scientific Meeting • Orlando, FL • March 15 – 18, 2017
- SRI 65th Annual Scientific Meeting • San Diego, CA • March 7 – 10, 2018
- SRI 66th Annual Scientific Meeting • Paris, France • March 13 – 16, 2019
- SRI 67th Annual Scientific Meeting • Vancouver, Canada • March 11 – 14, 2020

SOCIETY FOR REPRODUCTIVE INVESTIGATION

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Fax: +1-414-276-3349
Email: info@sri-online.org
Website: www.sri-online.org

Welcome

Dear Colleagues,

We are pleased to invite you to the 63rd Annual Meeting of the Society for Reproductive Investigation (SRI), which will be held from Wednesday, March 16 to Saturday, March 19, 2016, in Montreal, QC, Canada. On behalf of the Program Committee, we would like to highlight the exciting scientific program for this year's meeting. The 2016 theme, "Prioritizing Reproductive Research in Times of Limited Resources," features two phenomenal Presidential Distinguished Lecturers. The first is Haifan Lin, PhD, Yale University, who is currently the Director of the Yale Stem Cell Center and Professor of Cell Biology, of Genetics and of Obstetrics, Gynecology, and Reproductive Sciences. He will present his recent research on the self-renewing mechanism of stem cells in his talk entitled, "Uniting the Genome: A Novel Function of piRNase."

The main meeting will be preceded by a full day of six exceptional satellite meetings. We are pleased to announce that new to this year's satellite line-up is an Ovarian Biology Satellite meeting, in addition to the Fetal Physiology, Placenta, Endometrium, and Preterm Birth/Myometrium Satellite Meetings. Following the traditional lines of the SRI annual meeting, there will also be a new investigator plenary session featuring the four best abstracts submitted to the meeting, a total of 12 outstanding mini-symposia, and several oral concurrent and poster sessions. This meeting will also host the fourth annual Connection Corners event, which has been hugely popular and successful because it engages trainees with the more senior members of the Society.

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,

Hugh Taylor, MD
SRI President
Yale School of Medicine

Emre Seli, MD
2016 SRI Scientific Program Director

2016 PROGRAM COMMITTEE

Program Committee Chair – Stephen Matthews, PhD – University of Toronto

2016 Program Director – Emre Seli, MD

Vikki Abrahams, PhD – Yale University
Elizabeth Bonney, MD, MPH – University of Vermont
Marilyn Cipolla, PhD – University of Vermont
Charles Ducsay, PhD – Loma Linda University
Lisa Halvorson, MD – National Institutes of Health
Erica Marsh, MD, MSCI – Northwestern University
Sam Mesiano, PhD – Case Western Reserve University
Leslie Myatt, PhD – Oregon Health and Science University
Emiel Post-Uiterweer, MD, PhD – New York University
Yoel Sadovsky, MD – University of Pittsburgh
Emily J. Su, MD – University of Colorado, Denver
Hugh Taylor, MD – Yale School of Medicine

Meeting Overview

Subject to change

| | Wednesday, March 16 | Thursday, March 17 | Friday, March 18 | Saturday, March 19 |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Morning | <p>7:00 a.m. – 7:00 p.m. Registration</p> <p>8:30 a.m. – 5:00 p.m. Satellite Meetings</p> | <p>7:00 a.m. – 6:00 p.m. Registration</p> <p>8:00 a.m. – 10:00 a.m. President’s Welcome Address President’s Distinguished Lecture I New Investigator Plenary Session</p> <p>10:00 a.m. – 12:00 p.m. Poster Session I</p> <p>11:30 a.m. – 1:00 p.m. Past President’s Lunch</p> | <p>7:00 a.m. – 6:00 p.m. Registration</p> <p>8:00 a.m. – 9:30 a.m. Concurrent Oral Presentations II</p> <p>9:30 a.m. – 11:30 a.m. Poster Session II</p> <p>11:30 a.m. – 12:30 p.m. President’s Distinguished Lecture II</p> | <p>7:00 a.m. – 1:00 p.m. Registration</p> <p>7:45 a.m. – 8:30 a.m. SRI Business Meeting</p> <p>8:30 a.m. – 10:30 a.m. Poster Session III</p> <p>10:30 a.m. – 12:00 p.m. Concurrent Oral Presentations IV</p> |
| Afternoon | <p>8:30 a.m. – 5:00 p.m. Satellite Meetings</p> <p>12:00 p.m. – 1:00 p.m. Diversity Career Development Forum</p> <p>12:00 p.m. – 1:00 p.m. Reproductive Sciences Editorial Board Meeting</p> | <p>12:00 p.m. – 1:30 p.m. Bayer Lunch Symposium</p> <p>1:30 p.m. – 3:30 p.m. Concurrent Oral Presentations I</p> <p>3:30 p.m. – 4:00 p.m. Coffee Break</p> <p>4:00 p.m. – 6:00 p.m. Mini Symposia Series I</p> | <p>12:30 p.m. – 2:00 p.m. Bayer Lunch Symposium</p> <p>12:30 p.m. – 2:00 p.m. Pfizer-SRI President’s Presenter’s Awards and Lunch (By Invite Only)</p> <p>2:00 p.m. – 4:00 p.m. Mini Symposia Series II</p> <p>4:00 p.m. – 4:30 p.m. Coffee Break</p> <p>4:30 p.m. – 6:00 p.m. Concurrent Oral Presentations III</p> | <p>12:00 p.m. – 1:00 p.m. Hot Topics</p> <p>1:00 p.m. – 2:00 p.m. Awards Ceremony and Luncheon Rogerio Lobo Award, Laxmi Baxi Awards, Georgio Pardi Awards, Thomas McDonald Award, Best New Investigator Poster Awards</p> |
| Evening | <p>5:15 p.m. – 6:15 p.m. Career Development Sessions</p> <p>6:45 p.m. – 8:00 p.m. Welcome Reception</p> | <p>6:00 p.m. – 7:30 p.m. Connection Corners</p> | <p>6:15 p.m. – 8:00 p.m. President’s Address SRI Distinguished Scientist Award, President’s Achievement Award, Frederick Naftolin Award, Lifetime Distinguished Service Award, Wine and Cheese Reception</p> | |

Location Information

ABOUT MONTREAL

Montreal is the largest city in Quebec, Canada. It is predominantly French-speaking, is set on an island in the Saint Lawrence River and named after Mt. Royal, the triple peaked hill at its heart. Its 19 boroughs, many of which were once independent cities, include neighborhoods from cobblestoned, French colonial Vieux-Montreal – with imposing Notre-Dame Basilica at its center – to industrial Sud-Ouest and artist-friendly Plateau.

Source: www.google.com

PALAIS DES CONGRES DE MONTREAL

All scientific sessions will be held at the Palais des Congres de Montreal. The Welcome Reception will be held at the Hyatt Regency Montreal on Wednesday evening

First inaugurated in 1983, the Palais des Congres de Montreal has hosted hundreds of events in its relatively short history. The Palais is home to a commercial mall with approximately 20 service locations and stores, including restaurants and boutiques. You can access the mall from the covered galleries network from either of our host hotels, or via the Place-d'Armes metro station.

Palais des Congres de Montreal
1001 Place Jean-Paul Riopelle
Montreal, QC H2Z 1H2
Tel: +1-514-871-8122
info@congresmtl.com



COAT CHECK

SRI will provide a complimentary coat and luggage check in Hall Viger, near the escalators leading to the 5th floor meeting space.

HOST HOTELS

Westin Montreal

270 St. Antoine Ouest
Montreal, QC H2Y 0A3
Canada
Phone: +1-514-380-3333

Hyatt Regency Montreal

1255 Jeanne-Mance
Montreal, QC H5B 1E5
Canada
Phone: +1-514-982-1234



Social Events & Exhibitors

WELCOME RECEPTION

Wednesday, March 16, 2016 6:45 p.m. – 8:00 p.m.

Hyatt Regency Montreal

Grand Salon Opera Ballroom

Join us for socializing, wine and light appetizers.

CONNECTION CORNERS

Thursday, March 17, 2016 6:00 p.m. – 7:30 p.m.

Palais des Congres – 516C

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.



CONNECTION CORNERS 2016

SRI introduces Connection Corners 2016 session for trainees

“Get Connected!”

Come and join us for an interactive evening on
Thursday March 17, 6.00-7.30 p.m.

The evening will be an excellent platform for trainees to meet each other over wine and hors d'oeuvres (provided!) and connect with senior members regarding jobs, career advice, and friendly banter.

Choose a table topic and start connecting

- 1) “Pathway to independence”
- 2) “Your first SRI meeting”
- 3) “From the bench to the bedside”
- 4) “Finding a good mentor”
- 5) “The fun of collaboration”
- 6) “Negotiation skills”
- 7) “Grantsmanship for clinicians”
- 8) “Writing your first grants as a PhD”
- 9) “Getting your paper published”
- 10) “Clinician-scientist: Is there enough time?”
- 11) “Combining career with a family”
- 12) “Careers in industry”

‘Like’ our facebook page to stay updated on which senior members will be hosting the tables!

<https://www.facebook.com/ConnectionCornersSRI>



EXHIBITORS

Look for our Exhibitors in the poster hall, Palais des Congres Room 517D!



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www.rqr.umontreal.ca



bioscientifica

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www.bioscientifica.com/journals

Reproduction is an international journal focusing on the molecular and cellular mechanisms of reproduction. Reproduction publishes studies in a wide range of animals and welcomes submissions with a human mechanistic focus, including studies on stem cells.

With an Impact Factor of 3.174 and a five-year Impact Factor of 3.707, it is one of the top reproductive biology journals focusing on basic science. We offer authors global exposure for their work, as well as services such as article-level metrics and Kudos which help authors raise and monitor the impact of their research.

Published by Bioscientifica for the Society for Reproduction and Fertility.

www.reproduction-online.com

Maps

PALAIS DES CONGRES DE MONTREAL

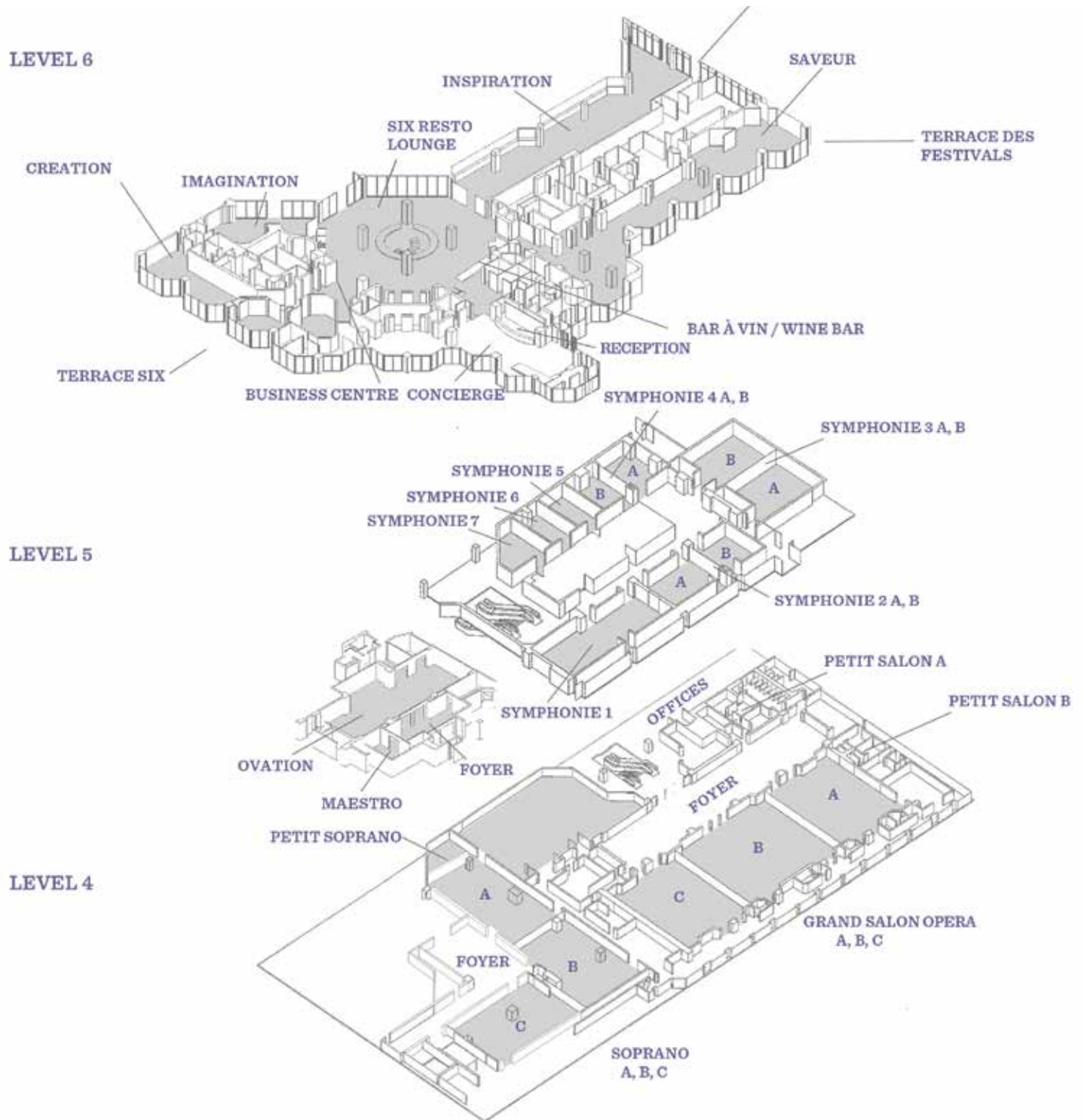
All scientific sessions will be held on the 5th floor.



Maps

HYATT REGENCY MONTREAL

The Welcome Reception will be held Wednesday, March 16 in the Grand Salon Opera Ballroom, Level 4



WEDNESDAY, MARCH 16

7:00 a.m. – 7:00 p.m.

Registration

8:20 a.m. – 5:00 p.m.

Fetal Physiology Satellite Meeting

PALAIS DES CONGRES: 518 ABC

What's a Fetus to do When It Gets a Bad Deal?

Organizers: *Kent Thornburg, PhD*
Oregon Health and Science University
Timothy Regnault, PhD
University of Western Ontario

Moderator: *Kent Thornburg, PhD*
Oregon Health and Science University

8:20 a.m. – 8:30 a.m.

Introduction

Kent Thornburg, PhD
Timothy Regnault, PhD

8:30 a.m. – 9:30 a.m.

Developmental Exposures to Environmental Chemicals: A Bad Start Lasts a Lifetime

Jerry Heindel, PhD
National Institute of Environmental Health Sciences

9:30 a.m. – 10:00 a.m.

Coffee Break

10:00 a.m. – 11:00 a.m.

Maternal Diet, Obesity, and Fetal Adaptation – Where are the Hits Coming From?

Jed Friedman, PhD
University of Colorado School of Medicine
Anschutz Medical Center

11:00 a.m. – 12:00 p.m.

Maternal/Fetal Metabolomics in Intrauterine Growth Restriction and Preterm Birth

Dominique Darmaun, MD, PhD
Universite de Nantes

12:00 p.m. – 1:30 p.m.

Lunch

Moderator: *Timothy Regnault, PhD*
University of Western Ontario

1:30 p.m. – 2:30 p.m.

Epigenetic Mechanisms Underlying Developmental Programming of Health and Disease—Can We Fix It?

Susan Ozanne, PhD
University of Cambridge

2:30 p.m. – 3:30 p.m.

Advances in Fetal Gene Therapy: Getting a Better Deal for the Fetus

Anna David, PhD
UCL Institute for Women's Health

3:30 p.m. – 4:00 p.m.

Coffee Break

4:00 p.m. – 5:00 p.m.

Modulating Nutrition to Optimize the In-Utero Environment and Limit Adverse Programming Outcomes

Brendan Waddell, PhD
University of Western Australia

WEDNESDAY, MARCH 16, CONTINUED

8:30 a.m. – 5:00 p.m.

Placental Association of the Americas Satellite Symposium

PALAIS DES CONGRES: 524 ABC

Organizer and Director: *Helen N. Jones, PhD*
Cincinnati Children's Hospital Medical Center

Novel Approaches to Study Placenta Function

Moderator: *Shannon Bainbridge-Whiteside, PhD*
University of Ottawa

8:30 a.m. – 9:00 a.m. **Using Metabolomic Profiling to Identify Distinct Subclasses of Placental Dysfunction in Preeclampsia**

Shannon Bainbridge-Whiteside, PhD
University of Ottawa

9:00 a.m. – 9:30 a.m. **Determining In Vivo Human Placental Nutrient Transfer and Metabolism Using Four-Vessel Sampling and Blood Flow Measurements**

Trond Michelson, MD, PhD
Oslo University Hospital

9:30 a.m. – 10:00 a.m. Coffee Break

10:00 a.m. – 11:00 a.m. **Cellular Analysis From First Trimester Human Placentas Using High Throughput Flow Cytometry**

Brian Cox, PhD
University of Toronto

11:00 a.m. – 12:00 p.m. **Microengineered Physiological Biomimicry: Human Organs-on-Chips**

Dongeun (Dan) Huh, PhD
University of Pennsylvania

12:00 p.m. – 1:30 p.m. Lunch

Structural Adaptations and Compensation Mechanisms in the Pathological Placenta

1:30 p.m. – 2:30 p.m. **The Relationship Between Serial Prenatal Ultrasonography, Placental Phenotype, and Adverse Pregnancy Outcome**

Gordon Smith, MBChB, MD, PhD, DSc
University of Cambridge

2:30 p.m. – 3:30 p.m. **Human Cytomegalovirus Infection of the Developing Placenta and Compensatory Development**

Lenore Pereira, PhD
University of California, San Francisco

3:30 p.m. – 4:00 p.m. Coffee Break

4:00 p.m. – 5:00 p.m. **Environmental Ingredients Make the Placenta**

Kent Thornburg, PhD
Oregon Health & Science University

WEDNESDAY, MARCH 16, CONTINUED

8:30 a.m. – 5:00 p.m.

Preterm Birth International Collaborative (PREBIC) and Myometrium/Parturition Satellite Meeting

PALAIS DES CONGRES: 520 ABC

Organizer (PREBIC): *Ramkumar Menon, PhD* – *University of Texas Medical Branch at Galveston*

Moderator: *Craig Pennell, MD, PhD*

President – PREBIC

University of Western Australia

Environmental Pollutants in Preterm Birth Risk

8:30 a.m. – 9:00 a.m. **Air Pollution and Preterm Labor: A Mexico City Cohort Study**

Felipe Vadillo-Ortega, MD

Instituto Nacional de Medicina Genómica

9:00 a.m. – 9:30 a.m. **Environmental Toxins as Risk Modifiers for Preterm Birth**

Morgan R. Peltier, PhD

Winthrop University Hospital

9:30 a.m. – 10:00 a.m. Coffee Break

Exosomes in Reproductive Biology

10:00 a.m. – 10:30 a.m. **Vesicle-Based Molecular Communication During Pregnancy**

Yoel Sadovsky, MD, PhD

University of Pittsburgh

10:30 a.m. – 11:00 a.m. **Exosomal Signaling in Pregnancy Complications: A Novel Biomarker for Preterm Birth**

Carlos Salomon, MSc, PhD

University of Queensland, AU

Myometrium/Parturition: 11:00 a.m. – 2:00 p.m.

Organizers and Moderators: *R. Ann Word, MD*

University of Texas Southwestern Medical Center

Rachel M Tribe, PhD

King's College

11:00 a.m. – 11:30 a.m. **Immunology of the Maternal Fetal Interface**

Adrian Erlebacher, MD, PhD

New York University School of Medicine

11:30 a.m. – 12:00 p.m. **Molecules, Modules and Models of Pregnancy**

Michael Taggart, PhD

Newcastle University

12:00 p.m. – 1:30 p.m. Lunch

CONTINUED ON NEXT PAGE

WEDNESDAY, MARCH 16, CONTINUED

Preterm Birth International Collaborative (PREBIC) and Myometrium/Parturition Satellite Meeting, *continued from previous page*

- 1:30 p.m. – 2:00 p.m. **Gestational Changes in Cysteine Metabolism Suggest New Gastrotransmitter Roles in Parturition**
K. Joseph Hurt, MD, PhD
University of Colorado
Denver School of Medicine
- PREBIC: 2:00 p.m. – 5:00 p.m.**
Moderator: *Nanbert Zhong, MD, PhD*
Secretary General – PREBIC
Institute for Basic Research in Developmental Disabilities
- 2:00 p.m. – 2:30 p.m. **Leveraging an Instrumented “Fetal Membrane on a Chip” for Studying Membrane Immunology**
David M. Aronoff, MD, FIDSA
Vanderbilt University Medical Center
- 2:30 p.m. – 3:00 p.m. **Ex Vivo Modeling of the Vaginal Microbiomes During Pregnancy**
Richard B. Pyles, PhD
University of Texas Medical Branch at Galveston
- 3:00 p.m. – 3:30 p.m. **New Observations on Mechanisms of Inflammation-Induced Birth in Animal Models**
Emmet Hirsch, MD
University of Chicago Pritzker School of Medicine
- 3:30 p.m. – 4:00 p.m. Coffee Break
- 4:00 p.m. – 5:00 p.m. **Intra-Amniotic Inflammation: Causes, Diagnosis and Treatment**
Roberto Romero, MD, D.Med.Sci.
Wayne State University

WEDNESDAY, MARCH 16, CONTINUED

8:30 a.m. – 5:00 p.m.

Endometrium Satellite Meeting

PALAIS DES CONGRES: 515 ABC

The Endometrium in Clinical Disorders – Molecular Assessment and Pregnancy Outcomes

Organizers: *Peter A.W. Rogers, PhD*

University of Melbourne

Asgj Fazleabas, PhD

Michigan State University

8:30 a.m. – 9:30 a.m.

β -Catenin Biology in the Uterus

Jose Teixeira, PhD

Michigan State University

9:30 a.m. – 10:00 a.m.

Coffee Break

10:00 a.m. – 10:30 a.m.

The Role of Semaphorins in the Disturbed Innervation of Peritoneal Endometriotic Lesions

Sylvia Mechnser, MD

Charité Universitätsmedizin Berlin

10:30 a.m. – 11:00 a.m.

Targeting Immune-Angiogenesis Axis in Endometriosis

Chandrakant Tayade, DVM, PhD

Queen's University

11:00 a.m. – 12:00 p.m.

Endometrial Genetics and Genomics: Where Are We Now?

Peter Rogers, PhD

University of Melbourne, Australia

Linda Giudice, MD, PhD, MSc

University of California San Francisco

12:00 p.m. – 1:30 p.m.

Lunch

1:30 p.m. – 2:30 p.m.

The Interaction Between Inflammation and the Nervous System in Endometriosis-Associated Pain

Brett McKinnon, PhD

University of Berne, Switzerland

2:30 p.m. – 3:00 p.m.

Endocytotic Receptors and Endometrium/Endometriosis

Warren Nothnick, PhD

University of Kansas Medical Center

3:00 p.m. – 3:30 p.m.

How the Mother Communicates with the Preimplantation Embryo and Modifies its Transcriptome

Felipe Vilella, PhD

Valencia University, Spain

3:30 p.m. – 4:00 p.m.

Coffee Break

4:00 p.m. – 5:00 p.m.

Endometrial Molecular Profiling in Pregnancy of Unknown Location

Rick Burney, MD, MSc

Madigan Army Medical Center

WEDNESDAY, MARCH 16, CONTINUED

- 8:30 a.m. – 5:00 p.m. **New for 2016! Ovarian Biology Satellite Meeting**
PALAIS DES CONGRES: 514 ABC
Ovarian Ageing: Epidemiologic, Genetic and Metabolic Determinants
Organizer: *Emre Seli, MD*
- 8:30 a.m. – 9:30 a.m. **Ovarian Ageing: A New Paradigm**
Joop S.E. Laven, MD, PhD
Erasmus Medical Center
- 9:30 a.m. – 10:00 a.m. Break
- 10:00 a.m. – 11:00 a.m. **Genetics of Ovarian Failure**
Aleksandar Rajkovic, MD, PhD
Magee Women's Research Institute
- 11:00 a.m. – 12:00 p.m. **Impaired DNA Repair as a Mechanism for Oocyte Ageing**
Kutluk Oktay, MD
New York Medical College / Innovation Fertility
- 12:00 p.m. – 1:30 p.m. Lunch
- 1:30 p.m. – 2:30 p.m. **Telomeres and Ovarian Ageing**
David Keefe, MD
New York University School of Medicine
- 2:30 p.m. – 3:00 p.m. **Mitochondria Function and Dysfunction and Ovarian Ageing**
Emre Seli, MD
- 3:00 p.m. – 3:30 p.m. **Autologous Mitochondria Injection to Improve Oocyte Function in Women Undergoing IVF**
Robert Casper, MD
University of Toronto
- 3:30 p.m. – 4:00 p.m. Break
- 4:00 p.m. – 5:00 p.m. **Metabolic Determinants of Mitochondrial Function**
Kelle Moley, MD
Washington University School of Medicine
- 12:00 p.m. – 1:00 p.m. **Diversity Career Development Forum**
PALAIS DES CONGRES: 518 ABC
Moderator: *Ayman Al-Hendy, MD, PhD*
Georgia Regents University
- 12:00 p.m. – 12:30 p.m. **Giving Back as a Way to Move Forward**
Alicia Y. Christy, MD, MHSCR
Contraception Discovery and Development Branch
Eunice Kennedy Shriver NICHD
- 12:30 p.m. – 1:00 p.m. **Taking Yourself Seriously... and Other Tibbits to a Successful Research Career**
Cynthia Gyamfi-Bannerman, MD, MSc, FACOG
Columbia University Medical Center
- 12:00 p.m. – 1:00 p.m. **Reproductive Sciences Editorial Board Meeting (member only)**
PALAIS DES CONGRES: 521 C

Scientific Program

Topics and faculty are subject to change.

WEDNESDAY, MARCH 16, CONTINUED

- 5:15 p.m. – 6:15 p.m. **New Investigator Career Development Forum**
PALAIS DES CONGRES: 518 ABC
Moderator: *Jared Robins, MD*
Northwestern University
- 5:15 p.m. – 5:25 p.m. **Transitioning From Post-Doctoral Fellowship to Your First Independent Grant**
Emily Su, MD
University of Colorado Denver
- 5:25 p.m. – 5:45 p.m. **Navigating the NIH**
Esther Eisenberg, MD, MPH
National Institute of Child Health and Human Development
- 5:45 p.m. – 6:00 p.m. **How Do I Support My Research?**
Margareta Pisarska, MD
Cedars Sinai Medical Center
- 6:00 p.m. – 6:15 p.m. **Discussion/Questions**
- 5:15 p.m. – 6:15 p.m. **Mid-Career Investigator Career Development Forum**
PALAIS DES CONGRES: 519 AB
Moderator: *Eun D. Lee, PhD*
Leadership and Career Development: Service Over Self?
Speaker: *Sarah L. Berga, MD*
Wake Forest University Baptist Medical Center
- 6:45 p.m. – 8:00 p.m. **Welcome Reception**
HYATT REGENCY: GRAND SALON OPERA, LEVEL 4
Join us for socializing, wine and light appetizers.

THURSDAY, MARCH 17

- 7:00 a.m. – 6:00 p.m. **Registration**
PALAIS DES CONGRES: 517 FOYER
- 8:00 a.m. – 10:00 a.m. **Welcome Address, President's Distinguished Lecture I, New Investigator Plenary**
PALAIS DES CONGRES: 517 D
- 8:00 a.m. – 8:10 a.m. **Welcome Address**
SRI President Hugh Taylor, MD
Yale University
- 8:10 a.m. – 9:00 a.m. **President's Distinguished Lecture I**
"Uniting the Genome: A Novel Function of piRNAs"
Haifan Lin, PhD
Professor of Cell Biology, of Genetics and of Obstetrics, Gynecology, and Reproductive Sciences, Yale University
Director, Yale Stem Cell Center
- 9:00 a.m. – 10:00 a.m. **New Investigator Plenary**
Moderators: *Hugh Taylor, MD*
Yoel Sadovsky, MD
- 9:00 a.m. – 9:15 a.m. **Dissociation Between Cardiovascular Aging and Developmental Programming of Cardiovascular Disease**
Y. Niu, DPhil

THURSDAY, MARCH 17, CONTINUED

- 9:15 a.m. – 9:30 a.m. Nr5a2 Regulates Granulosa Cells Proliferation In Vivo and In Vitro in Interaction with β -Catenin
Marie-Charlotte Meinsohn, MSc
- 9:30 a.m. – 9:45 a.m. Uterine Stem Cells Contribute to Kidney Repair After Acute Ischemic Injury
Levent Mutlu, MD
- 9:45 a.m. – 10:00 a.m. The Lactate Produced During Labor Exerts Anti-Inflammatory Effects on Uterus via GPR81 (HCA1)
Mathieu Nadeau-Vallee, BSc
- 10:00 a.m. – 12:00 p.m. **Poster Session I**
PALAIS DES CONGRES: 517 ABC
- 11:30 a.m. – 1:00 p.m. **SRI Past President's Lunch (Invitation Only)**
HYATT REGENCY: IMAGINATION
- 12:00 p.m. – 1:30 p.m. **Bayer Lunch Symposium: Endometriosis**
Supported by an unrestricted educational grant from Bayer Pharmaceuticals
PALAIS DES CONGRES: 524 ABC
Moderator: *Serdar Bulun, MD*
- 12:00 p.m. – 12:30 p.m. **Visceral Pain: Molecular Mechanisms and Beyond**
Melissa A. Farmer, PhD
- 12:30 p.m. – 1:00 p.m. **Role of Inflammation in Endometriosis**
Michael D. Mueller, MD
- 1:00 p.m. – 1:30 p.m. **New Avenues in Medical Treatment of Endometriosis**
Robert N. Taylor, MD, PhD
- 1:30 p.m. – 3:30 p.m. **Concurrent Oral Presentations I**
Clinical Perinatology I
PALAIS DES CONGRES: 518 ABC
Moderators: *Emily Su, MD*
Catalin Buhimschi, MD
- 1:30 p.m. – 1:45 p.m. **Healthy Survival and Pulmonary Maturation in Premature Lambs Treated with Combined Ex Vivo Uterine Environment (EVE) and Corticosteroid Therapy**
Matthew W. Kemp, PhD
- 1:45 p.m. – 2:00 p.m. **Maternal Nutrient Restriction (MNR) in Guinea Pigs Leads to Fetal Growth Restriction (FGR) with Sex-Related Increases in Hypoxic Cells in the Brain**
Yohei Maki, MD
- 2:00 p.m. – 2:15 p.m. **Pharmacogenetic Analysis of Betamethasone Clearance and Development of Neonatal Respiratory Distress Syndrome**
David M. Haas, MD, MS
- 2:15 p.m. – 2:30 p.m. **Non-Invasive Detection of Human Fetal Brain Injury Across Gestational Age**
Laura Goetzl, MD
- 2:30 p.m. – 2:45 p.m. **Male Offspring (OFF) of Obese Mothers Exhibit Increased Oxidative Stress (OS) and Hepatic Steatosis Exacerbated by Aging**
Consuelo Lomas-Soria, PhD
- 2:45 p.m. – 3:00 p.m. **Uterine and Abdominal Muscle Electromyographic Activity (EMG) in Control and PCEA-Treated Nulliparous Women During the Second Stage of Labor**
Xueya Qian, MD

THURSDAY, MARCH 17, CONTINUED

- 3:00 p.m. – 3:15 p.m. **Impact of Prepregnancy Body Mass Index and Gestational Weight Gain on Maternal Iron Status in Twin Gestations**
Stephen J. Bacak, DO, MPH
- 3:15 p.m. – 3:30 p.m. **Targeting Adrenomedullin to Improve Insulin Sensitivity in Adipocytes in Women with Gestational Diabetes**
Yuanlin Dong, MD, PhD

Maternal Biology and Health

PALAIS DES CONGRES: 519 AB

Moderators: *Patrick Catalano, MD*

Emiel Post-Uiterweer, MD, PhD

- 1:30 p.m. – 1:45 p.m. **Candidate Genes for Intrahepatic Cholestasis of Pregnancy – Expanded Roles for Familial Cholestasis Loci**
Peter H. Dixon, PhD
- 1:45 p.m. – 2:00 p.m. **The Mitochondria-Targeted Antioxidant MitoQ Protects Against Uterine Artery Constrictor Hyper-Reactivity in Hypoxic Pregnancy**
Z. Wang
- 2:00 p.m. – 2:15 p.m. **Effects of Myo-inositol and Vitamin B2 on Adipose Tissue Gene Expression in the *Leprdb/+* Mouse Model**
Jasmine F. Plows, BSc(Hons)
- 2:15 p.m. – 2:30 p.m. **Reduced Uterine Blood Flow in the Non-Pregnant State Contributes to Subsequent Early Pregnancy Loss**
Carole A. McBride, BS
- 2:30 p.m. – 2:45 p.m. **Impact of Immune Deficiency on Remodeling of Maternal Resistance Vasculature 4 Weeks Postpartum in Mice**
Elizabeth A. Bonney, MD, MPH
- 2:45 p.m. – 3:00 p.m. **Elevated Insulin During Pregnancy May Promote Healthy Vascular Adaptation**
L. Clemente, BS
- 3:00 p.m. – 3:15 p.m. **Globular Adiponectin and Leptin Differentially Modulate Proliferative Responses in Uterine Artery Endothelial Cells from Nonpregnant and Pregnant Sheep**
Vladimir E. Vargas, PhD
- 3:15 p.m. – 3:30 p.m. **Placental Microparticles Activate Vascular Endothelial Cells in Pregnancies with Systemic Lupus Erythematosus**
Jayne Little, MB Chair, MA, MSc, MRCP

THURSDAY, MARCH 17, CONTINUED

Parturition I

PALAIS DES CONGRES: 520 ABC

Moderators: *Rachel M. Tribe, PhD*

Alexandros A. Moraitis, MD, MSc

- 1:30 p.m. – 1:45 p.m. **ATG16L1 and the Autophagy Pathway Governs the Syncytial Trophoblast Barrier to Infection in the Placenta**
Bin Cao, PhD
- 1:45 p.m. – 2:00 p.m. **Identification of Vaginal Microbial Communities Associated with Specific Etiologies of Preterm Birth**
Lindsay Kindinger, BMedSci, MBBS
- 2:00 p.m. – 2:15 p.m. **Production of β -hemolysin by GBS Increases Risk of Preterm Labor, Microbial Invasion of the Amniotic Cavity and Fetal Injury**
Kristina Adams Waldorf, MD
- 2:15 p.m. – 2:30 p.m. **Cervicovaginal Inflammation Induces miRNAs in Cervical Tissue: A Potential Mechanism for Premature Cervical Remodeling and Preterm Birth**
Luz-Jeannette Sierra, PhD
- 2:30 p.m. – 2:45 p.m. **Toll-Like Receptor Signaling and Regulation in Human Amnion Mesenchymal Cells**
Brittany L. Sato, PhD
- 2:45 p.m. – 3:00 p.m. **HMGB1 Induces Sterile Inflammation of the Chorioamniotic Membranes**
Olesya Plazyo, MSc
- 3:00 p.m. – 3:15 p.m. **P2X7 Receptor Blockade Prevents Inflammation-Induced Preterm Birth and Perinatal Brain Injury**
Jason Rosenzweig, PhD
- 3:15 p.m. – 3:30 p.m. **Programming Prostanoid EP2 Receptor Function in Human Labour via GPCR Crosstalk with Oxytocin Receptor**
Shirin Khanjani, MD, PhD

THURSDAY, MARCH 17, CONTINUED

Preeclampsia I

PALAIS DES CONGRES: 524 ABC

Moderators: *Mark K. Santillan, MD*

Chandrasekhar Yallampalli, DVM, PhD

- 1:30 p.m. – 1:45 p.m. **Hemodynamic and Renoprotective Actions of (Pyr1)-Apelin-13 in Preeclampsia**
Liliya M. Yamaleyeva, MD, MS
- 1:45 p.m. – 2:00 p.m. **Disruption of JMJD6-Mediated Histone Demethylation of "VHL" in Preeclampsia**
Sruthi Alahari, BSc, MSc
- 2:00 p.m. – 2:15 p.m. **Proteasome Levels and Activity Are Altered in Human Pregnancy and Preeclampsia (PE)**
Kathryn E. Berryman, MD
- 2:15 p.m. – 2:30 p.m. **Epidermal Growth Factor Receptor Positively Regulates Sflt1 Secretion**
Roxanne Hastie
- 2:30 p.m. – 2:45 p.m. **Impact of Pregestational Type 2 Diabetes on Maternal Resistance Artery Function in Rat Pregnancy**
Ann E. Howard, BS
- 2:45 p.m. – 3:00 p.m. **Gestational Expression and Activity of P-Glycoprotein at the Blood-Brain Barrier in Rats: The Potential Role of Efflux Transporters in Seizures in Pregnancy**
Erica S. Hammer, MD
- 3:00 p.m. – 3:15 p.m. **Preeclampsia Associated with Functional Changes in Cord Blood Endothelial Progenitor Cells**
Virginia D. Winn, MD, PhD
- 3:15 p.m. – 3:30 p.m. **TNF α Decreases Monolayer Resistance but MMP Inhibitor GM6001 Improves the Monolayer Integrity in P-UAEC**
Amanda C. Hanks, BS

THURSDAY, MARCH 17, CONTINUED

Endometriosis, Fibroids and Gynecology I

PALAIS DES CONGRES: 515 ABC

Moderators: *Erica E. Marsh, MD, MSCI*
Molly B. Moravek, MD

- 1:30 p.m. – 1:45 p.m. **Blocking of the CXCL12/CXCR4 Axis Reduces Migration of Ectopic Endometrial Cells in Murine Endometriosis**
Fei Li, MD, PhD
- 1:45 p.m. – 2:00 p.m. **Blockade of PRLR-Mediated Signaling - A Novel Treatment Option for Endometriosis?**
Oliver M. Fischer, PhD
- 2:00 p.m. – 2:15 p.m. **Novel Candidate Genes for Endometriosis Were Identified by Exome Analysis of High Risk Endometriosis Families That Share Rare Damaging Variants in Multiple Families**
Kenneth Ward, MD
- 2:15 p.m. – 2:30 p.m. **Tranilast Inhibits Cell Proliferation, Inflammation, Extracellular Matrix and Regulates MiRNAs Expression in Primary Leiomyoma Cells**
Tsai-Der Chuang, PhD
- 2:30 p.m. – 2:45 p.m. **DNA Methylation Affects RANKL Gene Expression in Uterine Leiomyoma and Myometrial Cells**
Shimeng Liu, BS
- 2:45 p.m. – 3:00 p.m. **Cervical Intraepithelial Neoplasia Disease Progression Is Associated with Increased Vaginal Microbiome Diversity**
Anita Mitra
- 3:00 p.m. – 3:15 p.m. **Growth Regulation by Estrogen in Breast Cancer 1 (GREB1) Is Critical for Endometrial Stromal Cell Decidualization**
Ramakrishna Kommagani, PhD
- 3:15 p.m. – 3:30 p.m. **Negative Association Between PCOS and Risk of Uterine Leiomyomas in Caucasian Infertile Women**
Daria Lizneva, MD, PhD

THURSDAY, MARCH 17, CONTINUED

Reproductive Biology I

PALAIS DES CONGRES: 514 ABC

Moderators: *Steven L. Young, MD, PhD*

Nardhy Gomez-Lopez, PhD

- 1:30 p.m. – 1:45 p.m. **Maternal Endometrial hsa-miR-30d Is Internalized and Secreted in Exosomes by Binding with hnRNPC1**
Nuria Balaguer, PhD
- 1:45 p.m. – 2:00 p.m. **Secreted ERp44 as Novel Trans-Cellular Signal at the Maternal-Fetal Interface**
Paola Panina, PhD
- 2:00 p.m. – 2:15 p.m. **Characterization of Bone Marrow-Derived Cell Engraftment into the Uterus and Its Dynamics Following Intravenous Injection**
Reshef Tal, MD, PhD
- 2:15 p.m. – 2:30 p.m. **The Role of TRPV2 In Endometrial Stromal Decidualization**
Katrien De Clercq, MSc
- 2:30 p.m. – 2:45 p.m. **Deregulation of Peri-implantation Endometrium Receptivity in Women with Repeated Implantation Failure - A Pilot Study**
Tiantian Li, PhD Candidate
- 2:45 p.m. – 3:00 p.m. **Impaired Trophoblast Autophagy by Antiphospholipid Antibodies Prevents Inflammasome Inhibition and Promotes Inflammation and Angiogenic Factor Production**
Vikki M. Abrahams, PhD
- 3:00 p.m. – 3:15 p.m. **Heme Oxygenase-1 Expression in Myeloid Cells Affects Oxidative Stress, Uterine Infiltration and Placental Angiogenesis in Early Pregnancy**
Hui Zhao, PhD
- 3:15 p.m. – 3:30 p.m. **Endometrial Tissue Resident Memory T Cells**
Jen Southcombe, DPhil

3:30 p.m. – 4:00 p.m.

Coffee Break

PALAIS DES CONGRES: 517 FOYER

4:00 p.m. – 6:00 p.m.

Mini Symposia I

Innovative Mechanisms to Support Reproductive Research

PALAIS DES CONGRES: 524 ABC

Moderator: *Ayman Al-Hendy, MD, PhD*

- 4:00 p.m. – 4:30 p.m. **NIH as a Source of Funding for Reproductive Sciences**
Lisa Halvorson, MD
- 4:30 p.m. – 5:00 p.m. **American Society for Reproductive Medicine Grant Mechanisms**
Andrew R. LaBarbera, PhD
- 5:00 p.m. – 5:30 p.m. **Funding Opportunities for Fertility Innovation**
Diego Ezcurra, DVM, MSc
- 5:30 p.m. – 6:00 p.m. **March of Dimes: Priorities and Impact**
Joe Leigh Simpson, MD

THURSDAY, MARCH 17, CONTINUED

Stem Cells in Reproductive Medicine

PALAIS DES CONGRES: 515 ABC

Moderator: *Carlos Simon, MD, PhD*

- 4:00 p.m. – 4:30 p.m. **Stem Cell Therapy in Asherman Syndrome and Atrophic Endometrium**
Carlos Simon, MD, PhD
- 4:30 p.m. – 5:00 p.m. **Endometrial Stem Cells and Endometriosis**
Hugh Taylor, MD
- 5:00 p.m. – 5:30 p.m. **Spermatogonial Stem Cells: Ready for Prime Time?**
Kyle Orwig, PhD
- 5:30 p.m. – 6:00 p.m. **Where Do We Stand in the Production of Artificial Gametes?**
Renee Reijo Pera, PhD

Genetics of Reproductive Endocrine Disorders

PALAIS DES CONGRES: 514 ABC

Moderator: *Larry Layman, MD*

- 4:00 p.m. – 4:30 p.m. **Introduction to Genetic Approaches in Reproductive Disorders**
Maria Lalioti, PhD
- 4:30 p.m. – 5:00 p.m. **Genetics of Hypogonadism**
Larry Layman, MD
- 5:00 p.m. – 5:30 p.m. **Genetics of PCOS**
Joop Laven, MD
- 5:30 p.m. – 6:00 p.m. **Premature Ovarian Failure: Whole Exome Sequencing Approaches to Identify Genetic Causes**
Aleksandar Rajkovic, MD, PhD

Precursors, Genetic Landscape and Targeted Therapies: Precision Medicine in Gynecologic Oncology

PALAIS DES CONGRES: 519 AB

Moderator: *Alessandro Santin, MD*

- 4:00 p.m. – 4:30 p.m. **Ovarian Cancer Pathology, Precursors, and Animal Models**
Ronny Drapkin, MD, PhD
- 4:30 p.m. – 5:00 p.m. **Genetics, Basic and Translational Clinical Research in Ovarian Cancer**
Elise Kohn, MD
- 5:00 p.m. – 5:30 p.m. **Translational Research in Ovarian Cancer: PARP Inhibitors, Completed and Ongoing Clinical Trials**
Elena Ratner, MD
- 5:30 p.m. – 6:00 p.m. **Basic and Translational Clinical Research in Biologically Aggressive Endometrial Cancer**
Alessandro Santin, MD

THURSDAY, MARCH 17, CONTINUED

Obstetric Biomarkers: From the Bench to the Bedside

PALAIS DES CONGRES: 518 ABC

Moderator: *Radek Bukowski, MD, PhD*

- 4:00 p.m. – 4:30 p.m. **Designing Research Studies in Pregnant Women to Identify Novel Biomarkers**
Gordon C.S. Smith, MD, PhD
- 4:30 p.m. – 5:00 p.m. **Biomarkers to Improve Individualized Predictions and Guide Decision-Making**
Ewout W. Steyerberg, PhD
- 5:00 p.m. – 5:30 p.m. **The Science of Screening in Relation to Pregnancy**
Nicholas Wald, FRS, FRCP
- 5:30 p.m. – 6:00 p.m. **Metabolomic Approaches to Prenatal Diagnosis**
Louise Clare Kenny, PhD, MRCOG

The Preterm Parturition Syndrome

PALAIS DES CONGRES: 520 ABC

Moderator: *Roberto Romero, MD, D.Med.Sci*

- 4:00 p.m. – 4:30 p.m. **Mechanisms of Disease for Preterm Labor**
Roberto Romero, MD, D.Med.Sci
- 4:30 p.m. – 5:00 p.m. **The Relationship Between Viral Infections and Preterm Labor**
Gil Mor, MD, PhD
- 5:00 p.m. – 5:30 p.m. **Uterine Overdistension**
Kristina Adams Waldorf, MD
- 5:30 p.m. – 6:00 p.m. **Targeting the Pathways: From Molecules to Nanodevices**
Roger Smith, MBBS, FRACP, PhD

6:00 p.m. – 7:30 p.m.

Connection Corners

PALAIS DES CONGRES: 516 C

Are you a new investigator looking to network with mid and senior-level investigators? Come to meet and 'connect' about jobs, career advice, or just some friendly banter. Drinks and light appetizers provided.

FRIDAY, MARCH 18

7:00 a.m. – 6:00 p.m.

Registration

PALAIS DES CONGRES: 517 FOYER

8:00 a.m. – 9:30 a.m.

Concurrent Oral Presentations II

Fetus I

PALAIS DES CONGRES: 518 ABC

Moderators: *Anna G. Euser, MD, PhD*

Eugene D. Albrecht, PhD

8:00 a.m. – 8:15 a.m.

Hypoxia Potentiates Gluconeogenic Activation in IUGR Fetal Sheep Hepatocytes

Sydney L. Coates

8:15 a.m. – 8:30 a.m.

Sildenafil Citrate Reduces Incidence of Fetal Growth Restriction Independent of Uterine Artery Function in High Fat Diet Models of Growth Restriction

Charlotte J. Oyston, MB ChB

8:30 a.m. – 8:45 a.m.

Fetal Uptake of Cholesterol in the Human In Vivo: The Role of Low Versus High Density Lipoproteins

Hildegunn Horne, MD

8:45 a.m. – 9:00 a.m.

Understanding Delayed Surfactant Maturation in the Chronically Hypoxemic Intrauterine Growth Restricted Fetus by Prolyl Hydroxylase Domain (PHD) Inhibition in Late Gestation

E.V. McGillick, PhD Candidate

9:00 a.m. – 9:15 a.m.

Estrogen Regulation of Fetal Adrenal Cortical-Zone Specific Development in the Nonhuman Primate Impacts Adrenal Production of Androgen and Cortisol and Response to ACTH in Adulthood

Gerald J. Pepe, PhD

9:15 a.m. – 9:30 a.m.

Correlation of High-Resolution MRI and Histopathology with Neurobehavioral Motor Testing in Inflammation-Induced Perinatal Brain Injury

Wael Alshehri, MBBS

FRIDAY, MARCH 18, CONTINUED

Developmental Programming I

PALAIS DES CONGRES: 519 AB

Moderators: *Irina Burd, MD, PhD*

Matthew W. Kemp, PhD

- 8:00 a.m. – 8:15 a.m. **Programmed Pulmonary Hypertension in Adulthood by Prenatal Hypoxia: Molecular Mechanisms and Intervention**
K.L. Brain, PhD
- 8:15 a.m. – 8:30 a.m. **The UPBEAT Behavioural Intervention in Obese Pregnant Women - Maternal and Infant Follow-Up 6 Months Postpartum**
Nashita R. Patel, MBBS
- 8:30 a.m. – 8:45 a.m. **Transgenerational Programming of Transcription in the Hypothalamic Paraventricular Nucleus (PVN) by Glucocorticoids**
Andrea Constantino, MSc
- 8:45 a.m. – 9:00 a.m. **Intra-Uterine Growth Restriction (IUGR) Accelerates Offspring Brain Aging**
Matthias Schwab, PhD
- 9:00 a.m. – 9:15 a.m. **Maternal Protein Restriction (MPR) During Pregnancy Increases Sperm Oxidative Stress (OS) and Accelerates Aging of Sperm Quality and Reproductive Capacity in the Male Rat Offspring (OFF)**
Guadalupe L. Rodriguez - Gonzalez, MSc
- 9:15 a.m. – 9:30 a.m. **Effect of Inositols Supplementation in Heterozygous eNOS Offspring with Metabolic-Like Syndrome**
Francesca Ferrari, MD

Parturition II

PALAIS DES CONGRES: 520 ABC

Moderators: *Phillip R. Bennett, MD, PhD*

Denise E. Rinaldo, MD

- 8:00 a.m. – 8:15 a.m. **Progesterone (P4) Paradoxically Promotes Myometrial Gap Junction Coupling Through Its PRA Isoform**
Lubna Nadeem, PhD
- 8:15 a.m. – 8:30 a.m. **Development of Novel Selective Progesterone Receptor Modulators to Prevent Preterm Birth**
Gregory A. Peters, PhD
- 8:30 a.m. – 8:45 a.m. **Oxidative Stress Induced Amnion Cell Derived Exosomes Produce Inflammatory Changes in Myometrial Cells: Feto-Maternal Signaling in Human Parturition**
Samantha Sheller
- 8:45 a.m. – 9:00 a.m. **Novel Oxytocin Receptor Variants Associated with Pitocin Non-Responsiveness in Women**
Erin L. Reinl, BS
- 9:00 a.m. – 9:15 a.m. **K_v7 Channel Activators Inhibit Uterine Contractility and Delay Preterm Birth in Mice**
Rachel M. Tribe, PhD
- 9:15 a.m. – 9:30 a.m. **Evidence of Progressive Fetal Membrane Senescence in Mouse Pregnancy**
Elizabeth A. Bonney, MD, MPH

FRIDAY, MARCH 18, CONTINUED

Placenta I

PALAIS DES CONGRES: 524 ABC

Moderators: *Seth Guller, PhD*
TBD

- 8:00 a.m. – 8:15 a.m. **Adverse Placental Perfusion and Pregnancy Outcomes in a Nonhuman Primate Model of Protein Restriction**
Victoria H.J. Roberts, PhD
- 8:15 a.m. – 8:30 a.m. **Notch1 Functions as a Molecular Switch Between Invasive Differentiation and Cell Fusion of Human Trophoblast Progenitors**
Sandra Haider, PhD
- 8:30 a.m. – 8:45 a.m. **Vitamin D Suppresses Oxidative Stress-Induced Microparticle Release by Placental Trophoblasts**
Jie Xu, MD
- 8:45 a.m. – 9:00 a.m. **Melatonin Improves Mitochondrial Respiration in Placentas of Obese Women**
Kayla E. Ireland, MD
- 9:00 a.m. – 9:15 a.m. **Evidence That Stillbirth Is Linked to Placental Aging**
Kaushik Maiti, PhD
- 9:15 a.m. – 9:30 a.m. **Sex Differences in Gene Expression Are Restricted to Extraembryonic Tissue in Early Post-Implantation Embryos**
Kathleen E. O'Neill, MD, MTR

Endometriosis, Fibroids and Gynecology II

PALAIS DES CONGRES: 515 ABC

Moderators: *Aaron Styer, MD*
Amanda Kallen, MD

- 8:00 a.m. – 8:15 a.m. **Is Lactate a Potential Therapeutic Target for Endometriosis?**
Syed F. Ahmad, PhD
- 8:15 a.m. – 8:30 a.m. **TGF β Mediates Endometriotic Progression via KLF11-Induced Metabolic Dysregulation**
Luiz F. Correa, DO
- 8:30 a.m. – 8:45 a.m. **Expression of the Endometrial Indian Hedgehog (IHH) Mediator Gli1 Is Suppressed by BCL6**
Heather S. Hoff, MD
- 8:45 a.m. – 9:00 a.m. **Pro-Tumorigenic Profile in Myometrium of Diet-Induced Vitamin D Deficient Mouse Model**
Heba Elhusseini, MD
- 9:00 a.m. – 9:15 a.m. **Hypoxic Response Mediated by Hypoxia Inducible Factor-1 α in Uterine Leiomyoma and Myometrium**
Hiroshi Ishikawa, MD, PhD
- 9:15 a.m. – 9:30 a.m. **Paricalcitol (Zemlar, Vitamin D Analogue) Elicits Robust Anti-Inflammatory Response in Human Female Detrusor Muscle Cells: Implication for Overactive Bladder Syndrome**
Noura Eziba, MD

FRIDAY, MARCH 18, CONTINUED

Reproductive Endocrinology and Infertility I

PALAIS DES CONGRES: 514 ABC

Moderators: *Esther Eisenberg, MD, MPH*
Ozgur Oktem, MD

- 8:00 a.m. – 8:15 a.m. **Treatment with a Non-Steroidal Anti-inflammatory Agent Reduces Proatherogenic Inflammation in Lean Women with Polycystic Ovary Syndrome (PCOS)**
Frank Gonzalez, MD
- 8:15 a.m. – 8:30 a.m. **Steroidogenic Factor 1 (SF-1, NR5A1) Is Required for Sertoli Cell Survival**
Chandra S. Miryala, PhD
- 8:30 a.m. – 8:45 a.m. **Galactose and Its Metabolites Deteriorate Metaphase II Mouse Oocyte Quality Through a Mechanism That Involves the Generation of Reactive Oxidative Species, Mitochondrial Dysfunction and Apoptosis**
Mili Thakur, MD
- 8:45 a.m. – 9:00 a.m. **A Novel FSH Receptor (FSHR) Mutation Causing Primary Amenorrhea: A Fertility Application of Whole Exome Sequencing**
Ellen H. Goldstein, MD
- 9:00 a.m. – 9:15 a.m. **Exchange Protein Directly Activated by cAMP Does Not Mediate cAMP Regulated Stromal Cell-Derived Factor-1 Production by Human Endometrial Stromal Cells**
Rocio Acera Pozzi, MD
- 9:15 a.m. – 9:30 a.m. **Partial Impairment of LH/hCG Receptor (LHR) Downregulation and Higher levels of Vascular Endothelial Growth Factor (VEGF) in Granulosa Cells as a Contributing Factor for Ovarian Hyperstimulation Syndrome (OHSS)**
Bindu Menon, PhD

9:30 a.m. – 11:30 a.m.

Poster Session II

PALAIS DES CONGRES: 517 ABC

11:30 a.m. – 12:30 p.m.

President's Distinguished Lecture II

PALAIS DES CONGRES: 517 D

Stem Cells, Reproductive Technologies, and Challenges for the Future

George Q. Daley, MD, PhD

Samuel E. Lux, IV Chair in Hematology/Oncology

Professor of Biological Chemistry and Molecular Pharmacology, Harvard Medical School

Director of the Stem Cell Transplantation Program

Boston Children's Hospital & Dana-Farber Cancer Institute

Investigator, Howard Hughes Medical Institute

12:30 p.m. – 2:00 p.m.

Pfizer–SRI President's Lunch (By Invite Only)

PALAIS DES CONGRES: 520 F

FRIDAY, MARCH 18, CONTINUED

12:30 p.m. – 2:00 p.m.

Bayer Lunch Symposium: Uterine Fibroids

Sponsored by an unrestricted educational grant by Bayer Pharmaceuticals

PALAIS DES CONGRES: 524 ABC

Moderator: *James Segars, MD*

12:30 p.m. – 1:00 p.m.

Role of Driver Mutations in Uterine Fibroids

Ayman Al-Hendy, MD, PhD

1:00 p.m. – 1:30 p.m.

Towards a Better Understanding of Uterine Bleeding in Fibroids

Hilary Critchley, MD

1:30 p.m. – 2:00 p.m.

New Avenues in Fibroid Therapy

Elizabeth Stewart, MD

2:00 p.m. – 4:00 p.m.

Mini-Symposia II

Patient Centered Research: New Investigatory and Funding Opportunities for Women's Health

PALAIS DES CONGRES: 524 ABC

Moderator: *Erica Marsh, MD, MSCI*

2:00 p.m. – 2:30 p.m.

The Role of Patient Centered Research in Women's Health

Danielle Whicher, PhD, MHS

2:30 p.m. – 3:00 p.m.

Who Are the "Stakeholders" in PCOR and How Do We Engage Them?

Erica Marsh, MD, MSCI

3:00 p.m. – 3:30 p.m.

The Fibroid PCORI Experiences - Goals and Progress

Evan Meyers, MD, MPH

3:30 p.m. – 4:00 p.m.

Patient Centered Research in Pelvic Floor Disorders

Vivian W. Sung, MD, MPH

SRI-SSR Joint Session

Novel Pathways Regulating Endometrial Function and Implantation

PALAIS DES CONGRES: 515 ABC

Moderator: *Asgi Fazleabas, PhD*

2:00 p.m. – 2:30 p.m.

Taking Implantation and Decidualization Up a NOTCH

Asgi Fazleabas, PhD

2:30 p.m. – 3:00 p.m.

RUNX1 - Regulator of Angiogenesis and Immune Cell Function During Early Pregnancy

Milan Bagchi, PhD

3:00 p.m. – 3:30 p.m.

FOXO1 Regulates the Window of Receptivity and Mediates Progesterone Signaling During the Establishment of Pregnancy

Francesco DeMayo, PhD

3:30 p.m. – 4:00 p.m.

Failure of Homeostatic Mechanisms Regulating Endometrial Inflammation in Women with Endometriosis

Steve Young, MD, PhD

FRIDAY, MARCH 18, CONTINUED

Frontiers in Fertility Preservation

PALAIS DES CONGRES: 514 ABC

Moderator: *Mitch Rosen, MD*

- 2:00 p.m. – 2:30 p.m. **New Concepts in Controlled Ovarian Hyperstimulation for Fertility Preservation**
Mitch Rosen, MD
- 2:30 p.m. – 3:00 p.m. **Endocrine Prevention of Chemotherapy-Induced Ovarian Failure**
Zeev Blumenfeld, MD
- 3:00 p.m. – 3:30 p.m. **Oocyte Cryopreservation: From Experimental to Streamline**
Andrea Borini, MD
- 3:30 p.m. – 4:00 p.m. **Ovarian Tissue Cryopreservation: Challenges and Opportunities**
Jie Qiao, MD, PhD

Reprogramming the Immunologic and Epigenetic Landscape of the Tumor Microenvironment: Applications in Ovarian Cancer

PALAIS DES CONGRES: 519 ABC

Moderator: *Kunle Odunsi, MD, PhD*

- 2:00 p.m. – 2:30 p.m. **Deciphering and Overcoming Immune Checkpoint in Ovarian Cancer: Rationale, Evidence and Clinical Potential**
Kunle Odunsi, MD, PhD
- 2:30 p.m. – 3:00 p.m. **Innovative Approaches to Adoptive T-Cell Therapy for Ovarian Cancer**
Daniel Powell, PhD
- 3:00 p.m. – 3:30 p.m. **Personalized Epigenetic Drug Therapy in Ovarian Cancer**
Dineo Khabele, MD
- 3:30 p.m. – 4:00 p.m. **The Chemokine Network in Ovarian Cancer: A New Target in Cancer Biology**
Macy M. S. Heung, PhD

What do Circulating Cell-Free Nucleic Acids Teach Us About Placental and Perinatal Biology?

PALAIS DES CONGRES: 518 ABC

Moderator: *Diana Bianchi, MD*

- 2:00 p.m. – 2:30 p.m. **Placental Apoptosis and Cell-Free Nucleic Acids**
Susan Fisher, PhD
- 2:30 p.m. – 3:00 p.m. **Fetal DNA Fraction and Adverse Obstetrical Outcomes**
Mary E. Norton, MD
- 3:00 p.m. – 3:30 p.m. **DNA Doesn't Lie: Advancing Knowledge by Analysis of False Positive Results**
Diana Bianchi, MD
- 3:30 p.m. – 4:00 p.m. **Cell-Free RNA as a Real-Time Marker of Placental Function**
Macy M.S. Heung, PhD

FRIDAY, MARCH 18, CONTINUED

Epigenetics of Reproduction

PALAIS DES CONGRES: 520 ABC

Moderator: *Francine Einstein, MD*

2:00 p.m. – 2:30 p.m.

Epigenome-Wide Association Studies: Design Issues and Future Directions

John Grealley, PhD

2:30 p.m. – 3:00 p.m.

Epigenetic Markers of Early Life Exposure to Environmental Agents and Health Effects in Children

Nina Holland, PhD

3:00 p.m. – 3:30 p.m.

Maternal Obesity and Impact on Offspring Beta Cell Function

Rebecca Simmons, MD

3:30 p.m. – 4:00 p.m.

Epigenetic Changes During the Preimplantation Period: The Barker Hypothesis and Clinical Implications

Paolo Rinaudo, MD, PhD

4:00 p.m. – 4:30 p.m.

Coffee Break

4:30 p.m. – 6:00 p.m.

Concurrent Oral Presentations III

Clinical Perinatology II

PALAIS DES CONGRES: 518 ABC

Moderators: *Edward Chien, MD*

Vikki Abrahams, PhD

4:30 p.m. – 4:45 p.m.

Preoperative Skin Microbiome at the Site of Cesarean Incision: Do Communities Differ in Women with Subsequent Infection?

Molly J. Stout, MD, MSCI

4:45 p.m. – 5:00 p.m.

Cervicovaginal Fluid Acetate: A Marker for Preterm Birth in Symptomatic Pregnant Women

Emmanuel Amabebe, PhD Student

5:00 p.m. – 5:15 p.m.

Maternal Folate Deficiency in Mice Decreases Protein Expression of Mitochondrial Electron Transport Chain Complexes and Causes ER Stress in the Placenta

Frederick J. Rosario, PhD

5:15 p.m. – 5:30 p.m.

Does Leptin Predict Successful Induction of Labor?

Donna Santillan, PhD

5:30 p.m. – 5:45 p.m.

Early Fetal Growth and Risk of Preterm Birth

Radek Bukowski, MD, PhD

5:45 p.m. – 6:00 p.m.

Antibody Responses to Pertussis Vaccination in Pregnant Versus Non-Pregnant Subjects

Lisa Gray, MD

FRIDAY, MARCH 18, CONTINUED

Gynecologic Oncology & Stem Cells I

PALAIS DES CONGRES: 519 AB

Moderators: *Erin F. Wolff, MD*
Elena Ratner, MD

- 4:30 p.m. – 4:45 p.m. **Hyperinsulinemia Promotes Endometrial Hyperplasia by Altering Cell Cycle Regulation in a Lean, Euglycemic Transgenic Mouse Model**
Clare A. Flannery, MD
- 4:45 p.m. – 5:00 p.m. **From Endometriosis to Ovarian Cancer: A Novel Role for Tumor Suppressor KLF11?**
Valentina Zanfagnin, MD
- 5:00 p.m. – 5:15 p.m. **Higher Peripheral Monocyte and Lower Lymphocyte Concentrations Are Associated with Poorer Survival in Endometrial Cancer**
Brian T. Burgess, DO, PhD
- 5:15 p.m. – 5:30 p.m. **Mutational Landscape of Uterine and Ovarian Carcinosarcomas Reveals New Recurrently-Mutated Histone Core Genes as Drivers of Epithelial-Mesenchymal Transition**
Gulden Menderes, MD
- 5:30 p.m. – 5:45 p.m. **Mechanical Induction of Oogonial Stem Cell Differentiation**
Julie A. MacDonald, BA
- 5:45 p.m. – 6:00 p.m. **Behavior of Trisomic Human Amniotic Fluid Cells in Culture: A Model for Aneuploidy Study**
Margaret Dziadosz, MD

Epidemiology, Population Health and Global Health

PALAIS DES CONGRES: 520 ABC

Moderators: *Cynthia Gyamfi-Bannerman, MD, MSc*
Eden Cardozo, MD

- 4:30 p.m. – 4:45 p.m. **Does Maternal Obesity Affect Infant Telomere Length?**
Cecilia Gambala, MD, MSPH
- 4:45 p.m. – 5:00 p.m. **Leveraging Population-Based Cohorts to Understand the Genetic Aetiology of Benign Gynaecological Disorders and Their Overlap: The UK Biobank**
Teresa Ferreira, DPhil
- 5:00 p.m. – 5:15 p.m. **The Impact of Cigarette Smoking on Ovarian Reserve in Reproductive Age African American Women (AAW)**
Leah Hawkins Bressler, MD, MPH
- 5:15 p.m. – 5:30 p.m. **The Effect of Hypertensive Disorders in Pregnancy on the Risk of Attention Deficit Hyperactivity Disorder**
A.S. Khashan, PhD
- 5:30 p.m. – 5:45 p.m. **Congenital Anomalies in Infants Conceived by Infertility Treatment**
Zhoobin Bateni, MD
- 5:45 p.m. – 6:00 p.m. **Epigenetic Markers of Early Life Exposure to Environmental Agents and Health Effects in Children**
Nina Holland, PhD

FRIDAY, MARCH 18, CONTINUED

Preeclampsia II

PALAIS DES CONGRES: 524 ABC

Moderators: *Yuping Wang, MD, PhD*
Nihar Nayak, DVM, PhD

- 4:30 p.m. – 4:45 p.m. **Ceramide Augments BOK Induced Mitochondrial Fission in Preeclampsia**
Jonathan W. Ausman, MBBS
- 4:45 p.m. – 5:00 p.m. **VEGF Gene Delivery to Uterine Vasculature by Ultrasound-Mediated Cavitation of Plasmid Conjugated Microbubbles Recues Spiral Artery Remodeling in Transgenic Mouse Model of Preeclampsia and IUGR**
Terry Morgan, MD, PhD
- 5:00 p.m. – 5:15 p.m. **Placental Extracellular Vesicles: Mediators of Endothelial Dysfunction in Preeclampsia**
Mancy Tong, BSc (Honors)
- 5:15 p.m. – 5:30 p.m. **Syncytiotrophoblast Extracellular Vesicles Impair Endothelium-Dependent Vasodilation via the LOX-1 Receptor in Rat Uterine Arteries**
Floor Spaans, PhD
- 5:30 p.m. – 5:45 p.m. **Lipid Peroxides Activate Neutrophil TET2 in Preeclampsia**
William H. Nugent, PhD
- 5:45 p.m. – 6:00 p.m. **Maternal Leukocyte DNA Methylation Biomarkers in the First Trimester of Pregnancy Predict Third Trimester Preeclampsia with 100% Specificity**
Wendy M. White, MD

Endometriosis, Fibroids and Gynecology III

PALAIS DES CONGRES: 515 ABC

Moderators: *Monica Mainigi, MD*
Jared Robins, MD

- 4:30 p.m. – 4:45 p.m. **Four Genes Consistently Associated with Endometriosis Suggest That Aberrant Epithelial-to-Mesenchymal Transition Is an Initiating Factor in the Pathogenesis of Endometriosis**
Hans M. Albertsen, PhD
- 4:45 p.m. – 5:00 p.m. **Dichloroacetate Induces Apoptosis of Uterine Leiomyoma Cells Through a Mechanism Involving Modulation of Oxidative Stress**
Mohammed S. Abusamaan, MD
- 5:00 p.m. – 5:15 p.m. **The Increased Interleukin-6 Expression and Macrophage Distribution in the Endometrium of Adenomyosis Patients**
Chih-Feng Yen, MD
- 5:15 p.m. – 5:30 p.m. **Hepatic Metabolic Gene Dysregulation in a Mouse Model of Endometriosis**
Ramanaiah Mamillapalli, PhD
- 5:30 p.m. – 5:45 p.m. **Recovery Trajectory in a Randomized Controlled Trial (RCT) of Uterine Artery Embolization (UAE) and MR-Guided Focused Ultrasound (FUS)**
Emily P. Barnard, DO
- 5:45 p.m. – 6:00 p.m. **Characterization of H3K27me3 and EZH2 Isoforms in Endometriosis**
Mariano Colon-Caraballo, BS

FRIDAY, MARCH 18, CONTINUED

Reproductive Biology II

PALAIS DES CONGRES: 514 ABC

Moderators: *Margareta D. Pisarska, MD*
Paolo Rinaudo, MD, PhD

4:30 p.m. – 4:45 p.m. **The Notch Family Transcription Factor RBP-J is Reduced in Recurrent Pregnancy Loss (RPL) and Mediates Postpartum Endometrial Repair**

Michael Strug, DO/PhD Student

4:45 p.m. – 5:00 p.m. **Aging Is Associated with Changes in Mitochondrial Dynamics, Function and mtDNA Quantity**

Elnur Babayev, MD, MSc

5:00 p.m. – 5:15 p.m. **Trophoectoderm Cells of Embryos Secrete Extracellular Vesicles to the Conditioned Media**

Blanca Simon, MD Student

5:15 p.m. – 5:30 p.m. **Murine Models of Chemotherapy-Induced Primary Ovarian Insufficiency (POI) and Age-Related Diminished Ovarian Reserve (DOR) Reveal Similar Ovarian Follicular Dynamics and 'Follicular Exhaustion'**

Kara N. Goldman, MD

5:30 p.m. – 5:45 p.m. **Alterations in Ovarian Follicular Development in an H19 Knockout Mouse Model**

Amanda N. Kallen, MD

5:45 p.m. – 6:00 p.m. **Live Birth Rates Improve with Expansion of T-Regulatory Cells Using Rapamycin in a Murine Model**

Greene D. Royster IV, MD

6:15 p.m. – 8:00 p.m.

President's Address, SRI Distinguished Scientist Award, President's Achievement Award, Frederick Naftolin Award, Lifetime Distinguished Service Award, Wine and Cheese Reception

PALAIS DES CONGRES: 517 D

6:15 p.m. – 6:30 p.m. **President's Address**

SRI President Hugh Taylor, MD

Yale School of Medicine

6:30 p.m. – 6:55 p.m. **Distinguished Scientist Award & Lecture**

Roberto Romero, MD, D.Med.Sci.

Perinatology Research Branch of NICHD/NIH

6:55 p.m. – 7:00 p.m. **President's Achievement Award**

Emre Seli, MD

7:00 p.m. – 7:15 p.m. **Frederick Naftolin Award for Mentorship**

Jerome F. Strauss, MD, PhD

Virginia Commonwealth University

7:15 p.m. – 7:30 p.m. **Lifetime Distinguished Service Award and Address**

Alan De Cherney, MD

National Institutes of Health

7:30 p.m. – 8:00 p.m. **Wine and Cheese Reception**

Scientific Program

Topics and faculty are subject to change.

SATURDAY, MARCH 19

- 7:00 a.m. – 1:00 p.m. **Registration**
PALAIS DES CONGRES: 517 FOYER
- 7:45 a.m. – 8:30 a.m. **SRI Business Meeting (Members Only)**
PALAIS DES CONGRES: 517 D
Continental Breakfast Provided
- 8:30 a.m. – 10:30 a.m. **Poster Session III**
PALAIS DES CONGRES: 517 ABC
- 10:30 a.m. – 12:00 p.m. **Concurrent Oral Presentations IV**
Fetus II
Moderators: *Martin Frasch, MD, PhD*
Irina Buhimschi, MD
PALAIS DES CONGRES: 518 ABC
- 10:30 a.m. – 10:45 a.m. **Direct Effects of Melatonin, Statins or Allopurinol on Fetal Cardiovascular Function: A Comparison of Three Antioxidant Strategies**
N. Itani, PhD
- 10:45 a.m. – 11:00 a.m. **Suppression of Melanocortin 2 Receptor and Melanocortin 2 Receptor Accessory Protein Interaction by Estrogen in the Nonhuman Primate Fetal Adrenal Cortex**
Eugene D. Albrecht, PhD
- 11:00 a.m. – 11:15 a.m. **Bisphenol-A Exposure In Utero Alters Brain Immune Function of Offspring**
Hugh Taylor, MD
- 11:15 a.m. – 11:30 a.m. **Exposure to Stressful Events Is Associated with Maternal Cortisol and Placental Corticotrophin-Releasing Hormone**
Ann Borders, MD, MPH
- 11:30 a.m. – 11:45 a.m. **Maternal Obesity (MO) Up-Regulates Proteins Associated with Stress in the Late Gestation Baboon Fetal Frontal Cortex**
Shanshan Yang, MD, PhD
- 11:45 a.m. – 12:00 p.m. **Magnesium Sulfate and Betamethasone in Preterm Labor: Mechanisms of Neuroprotection in an Animal Model**
Andrew S. Thagard, MD

SATURDAY, MARCH 19, CONTINUED

Developmental Programming II

PALAIS DES CONGRES: 519 AB

Moderators: *Janna Morrison, PhD*

Perrie O'Tierney-Ginn, PhD

- 10:30 a.m. – 10:45 a.m. **TLE3-Mediated Transformation of Brown to White Adipose Tissue: A Mechanism for Programmed Offspring Obesity**
Mina Desai, PhD
- 10:45 a.m. – 11:00 a.m. **Maternal Obesity (MO) in Sheep Decreases Fetal Hepatic Mitochondrial Respiratory Chain Activity**
Teresa L. Serafim, PhD
- 11:00 a.m. – 11:15 a.m. **Identifying the Adrenergic Component of Intrauterine Growth Restriction in Fetal Pancreatic β -cells**
Amy Kelly
- 11:15 a.m. – 11:30 a.m. **Effect of Maternal Antioxidant MitoQ on Cardiomyocyte Development in a Rat Model of Intrauterine Growth Restriction**
Mais Aljunaidy
- 11:30 a.m. – 11:45 a.m. **Conjugated Linoleic Acid Improves Metabolic and Inflammatory Profiles in Offspring Exposed to Maternal High Fat Diet**
Claire M. Reynolds, PhD
- 11:45 a.m. – 12:00 p.m. **Selective Epigenetic Programming of Estrogen Response After In Utero Xenoestrogen (Bisphenol-A) Exposure**
Myles H. Alderman, BA

Parturition III

PALAIS DES CONGRES: 520 ABC

Moderators: *Elizabeth A. Bonney, MD*

Lubna Nadeem, PhD

- 10:30 a.m. – 10:45 a.m. **A Positive Feedback Loop between miR-181a and E2/ER α in Myometrium Enhances Inflammation and Contractility Leading to Labor**
Lu Gao, MD, PhD
- 10:45 a.m. – 11:00 a.m. **The Functional Relevance of Gestationally Regulated Estrogen Receptor Alpha Isoforms in the Pregnant Myometrium**
Prashanth Anamthathmakula, PhD
- 11:00 a.m. – 11:15 a.m. **Repressive Activity of Progesterone Receptor-A Is Induced by Pro-Inflammatory Stimuli in Human Myometrial Cells**
Bansari G. Patel, MD
- 11:15 a.m. – 11:30 a.m. **Stromal Interaction Molecule 1 (STIM1) Is Required for a Normal Contractile Phenotype in the Murine Myometrium**
Chelsea Feldman, BS
- 11:30 a.m. – 11:45 a.m. **Cervical Antimicrobial Peptides Are Decreased Following Excisional Treatment for Cervical Intraepithelial Neoplasia**
Anita Mitra
- 11:45 a.m. – 12:00 p.m. **Epithelial-Mesenchymal Transition: A Novel Mechanism for Placental Membrane Weakening**
Samantha Weed, MD

SATURDAY, MARCH 19, CONTINUED

Placenta II

PALAIS DES CONGRES: 524 ABC

Moderators: *Isabella Caniggia, MD, PhD*
Geetu Tuteja, PhD

- 10:30 a.m. – 10:45 a.m. **Loss of the Phosphate Transporter Slc20a2 Leads to Abnormal Placentation and Abundant Placental Calcification in the Mouse Placenta**
Mary C. Wallingford, PhD
- 10:45 a.m. – 11:00 a.m. **MTA3 Regulates Extravillous Trophoblast Cells Invasion via NuRD Complex**
Kai Wang, PhD
- 11:00 a.m. – 11:15 a.m. **Decreased Expression of Decidual Nodal Affects Placental STOX1 Expression via IGF1**
Marie van Dijk, PhD
- 11:15 a.m. – 11:30 a.m. **Polyploidization in Human Invasive Trophoblasts**
Jurgen Pollheimer, PhD
- 11:30 a.m. – 11:45 a.m. **Phosphatidic Acid and Mechanistic Target of Rapamycin Complex 2 Signaling: A Possible Mechanistic Link Between Fatty Acids and Regulation of Placental Amino Acid Transport**
Priyadarshini Pantham, PhD
- 11:45 a.m. – 12:00 p.m. **Inflammatory and Vascular Placental Lesions Are Associated with Neonatal Amplitude Integrated EEG Recording in Early Premature Neonates**
Offer Erez, MD

Gynecologic Oncology & Stem Cells II

PALAIS DES CONGRES: 515 ABC

Moderators: *Carolina E. Gargett, PhD*
Elnur Babayev, MD

- 10:30 a.m. – 10:45 a.m. **Regulation of Mitogenic Insulin Receptor A in Human Endometrial Epithelium Is Estrogen Independent**
Clare A. Flannery, MD
- 10:45 a.m. – 11:00 a.m. **Intranasal Administration of Wharton's Jelly Mesenchymal Stem Cells Preserves Myelination in Preterm Brain Damage**
Byron Oppliger, MSc
- 11:00 a.m. – 11:15 a.m. **Possible Involvement of Ceramide Synthase in Regulatory Mechanism of Ovarian Cancer Metastasis**
Kazuyuki Kitatani, PhD
- 11:15 a.m. – 11:30 a.m. **Small Nucleolar RNA U14 Promote Cell Cycle Progression in Ovarian Cancer**
Helen H. Zhou, MD
- 11:30 a.m. – 11:45 a.m. **Genetic Landscape Analysis Identifies HER2 Activating Mutations as Targets in Cervical Cancer**
Carlton L. Schwab, MD
- 11:45 a.m. – 12:00 p.m. **Dexamethasone Enhances Neural Differentiation of Human Amniotic Fluid Derived Cells in Culture**
Margaret Dziadosz, MD

SATURDAY, MARCH 19, CONTINUED

Reproductive Endocrinology and Infertility II

PALAIS DES CONGRES: 514 ABC

Moderators: *Patricia Jimenez, MD*
Robert N. Taylor, MD, PhD

- 10:30 a.m. – 10:45 a.m. **Uterine Cells Improve Ovarian Function in a Murine Model of Primary Ovarian Insufficiency**
Andres Reig, MD
- 10:45 a.m. – 11:00 a.m. **The Addition of a GnRH Antagonist to a GnRH Agonist Does Not Enhance Fertility Preservation in Adolescent Female Rats Receiving Gonadotoxic Chemotherapy**
Jennifer F. Knudtson, MD
- 11:00 a.m. – 11:15 a.m. **Diagnosis of Hypercoagulopathy State in Women with Severe Ovarian Hyperstimulation Syndrome Using Thromboelastogram**
Yoni Cohen, MD, PhD
- 11:15 a.m. – 11:30 a.m. **Epigenome-Wide Analysis of Stochastic Variations in Children Conceived In Vitro Compared to Those Conceived In Vivo**
Luca Pagliardini
- 11:30 a.m. – 11:45 a.m. **Influence of Body Mass Index on Measures of Oocyte Quality in Patients Undergoing IVF**
Martha W. Noel, MD
- 11:45 a.m. – 12:00 p.m. **Does Intrauterine Injection of Human Chorionic Gonadotropin Before Embryo Transfer Improve the Pregnancy Rate In Vitro Fertilization/Intracytoplasmic Sperm Injection (IVFICSI) Cycles? A Prospective Randomized Controlled Trial**
Mamdoh A. Eskandar, FRCSC

12:00 p.m. – 1:00 p.m.

Hot Topics

PALAIS DES CONGRES: 517 D

Moderators: *Stephen Matthews, PhD*
Sam Mesaino, PhD

1:00 p.m. – 2:00 p.m.

Awards Ceremony and Luncheon

PALAIS DES CONGRES: 517 D

Support your colleagues and friends as we present them with their awards! The Rogerio A. Lobo Award, Giorgio Pardi Awards, Laxmi Baxi Awards, Thomas McDonald Award, and the 20 Best New Investigator Poster Awards will be given out over lunch.

THURSDAY, MARCH 17

CLINICAL PERINATOLOGY

- T-001** A Collaborative Collection of Pregnancy Bio-Specimen Banks in North America.
David M. Haas MD, MS
- T-002** Psychological Distress in Pregnant Australian Indigenous Women Residing in Rural and Remote New South Wales of Australia.
Kym M. Rae, PhD
- T-003** Keeping Mom Awake: Does Placental Location Impact Fetal Disruption of Maternal Sleep?
Linda Street, MD
- T-004** The Impact of Body Mass Index (BMI) on Anatomy Ultrasound Completion.
Katherine Apostolakis-Kyrus, MD
- T-005** Vitamin D Insufficiency Is Associated with Increased Risk of Bacterial Vaginosis in Women of Ethnic Minority.
Negar Tabatabaei
- T-006** Which Moderate Risk Women Warrant Aspirin for Preeclampsia Prevention?
Katherine P. Himes, MD
- T-007** In Search for a Predictive Model for the Risk of Preterm Birth.
P. Bachkangi, MBChB
- T-008** Predicting the Risk of Preterm Birth, the Gestational Age and Timing of Delivery, From a Single Anandamide Measurement.
P. Bachkangi, MBChB
- T-009** Cervical Insufficiency (CI) Among Women with a History of Previaible Preterm Premature Rupture of Membranes (PPROM).
M. Monson
- T-010** Early Onset Long Term Fetal Indomethacin Exposure Does Not Cause Neonatal Renal Complications.
Ozhan M. Turan, MD, PhD
- T-011** HC/AC as a Surrogate for LHR and Other Measures in Fetuses with Congenital Diaphragmatic Hernia.
Oluseyi Ogunleye, MD
- T-012** Predicting Preterm Birth - The Performance of Ultrasound Cervical Length, Quantitative Fetal Fibronectin and Vaginal Fluid pH Differs by Risk of Preterm Birth and Symptoms of Preterm Labour.
Victoria Stern, MBChB, MRCOG
- T-013** To Compare Current Rates of Preterm Birth Based on Preterm Birth (PTB) Subtypes for Twins and Singletons by Gestational Age and Maternal Demographics in Recent Data Using Best Obstetrical Estimate for Gestational Age.
Amen Ness, MD
- T-014** Institutional Implementation of a Guideline for the Administration of a Rescue Course of Antenatal Corticosteroids.
Irina Datkhaeva, MD
- T-015** Clinical Factors Associated with Use of 17-Hydroxyprogesterone Caproate for Prevention of Preterm Birth.
Lynn M. Yee, MD, MPH
- T-016** Oxidative Stress Markers in the Venous Plasma of Women with Preterm Labor and Preterm Premature Rupture of Membranes.
Yoon Ha Kim MD, PhD
- T-017** Cervical Cerclage Using Braided Suture Induces Vaginal Dysbiosis, Inflammation, and Is Associated with Increased Intrauterine Death and Preterm Birth.
Lindsay Kindinger
- T-018** Three Antenatal Maternal Glucocorticoid Courses Doubles Baboon Offspring Pericardial Fat and Increases Liver Lipids Five Fold at Human Equivalent 40 Years.
Geoffrey D. Clarke, PhD
- T-019** Antenatal Testing in the Morbidly Obese Patient: Is It More Harmful Than Helpful?
Arie Shaw, MD
- T-020** Hepatic Endocannabinoid System (ECS) in Maternal Obesity.
Marcel Chuecos, BS

THURSDAY, MARCH 17

- T-021 Clinical Significance of Rescreening Women with One Abnormal Value on a 3-Hour Glucose Tolerance Test.**
Sarah C. Proehl, MD
- T-022 Excess Weight Gain and Increased ASA Score in the Obese Gravida: A Burgeoning Reflection of Poor Gestational Health.**
Matthew Fore
- T-023 Maternal Obesity and Gestational Age-Specific Neonatal Death in the United States.**
Lisa Bodnar, PhD, MPH, RD
- T-024 Increased Systemic Inflammation in the First Trimester: A Potential Setup for Pregnancy Complications.**
Linda M. Street, MD
- T-025 Factors Associated with Uncomplicated Pregnancy in Obese Women from the UPBEAT Trial.**
Matias C. Vieira, MSc
- T-026 Preoperative Skin Microbiome at the Site of Cesarean Incision: Do Communities Differ in Obese and Non-Obese Women?**
Molly J. Stout, MD, MSCI
- T-027 The Risk of Preterm Delivery by Body Mass Index (BMI) Category.**
Angela Vinturache, MD, PhD
- T-028 Effect of Gestation on the 75g 2-Hour OGTT.**
Miira M. Klemetti, MD
- T-029 Trauma in Multi-Fetal Gestations.**
Layan Alrahmani, MD
- T-030 Is a "Trial of Induction of Labor" a Safe and Effective Alternative to Diagnosing Failed Induction of Labor?**
Betsy E. O'Donnell, MD
- T-031 Effect of Limiting Intercourse on Perinatal Outcomes.**
Laura Meints, MD, MBA
- T-032 Is Forty the New Thirty-five?**
Brianne Bimson, MD
- T-033 Maternal Characteristics Influence Gestation Length and Perinatal Morbidity and Mortality.**
Scott W. White, MBBS
- T-034 Optimal Timing of Delivery in Pregnancies Affected by Intrahepatic Cholestasis of Pregnancy.**
Tabitha L. Schrufer-Poland, MD, PhD
- T-035 Sibling Recurrence Rate of Gastroschisis from a 12-Year Cohort in Southern California.**
Tara L. Billings, DO
- T-036 Prenatal Vitamin D Status and Neonatal Outcomes.**
Shu Qin Wei, PhD
- T-037 Antenatal Edinburgh Depression Score: Is It Predictive of Preterm Delivery?**
Tiffany Herrero, MD
- T-038 Stillbirth, Patterns of Fetal Growth and Placental Findings.**
Radek Bukowski, MD, PhD
- T-039 Utility of Third Trimester Abdominal Circumference Alone to Predict Abnormal Fetal Growth: A Meta-Analysis.**
Nathan R. Blue, MD
- T-040 Higher Order (>/=3) Repeat Cesarean Sections: Complications and Outcomes in the Setting of a Unique OB Safety Officer Program in an Urban Academic Medical Center.**
Iffath A. Hoskins, MD
- T-041 Does Sludge Really Matter?**
Brianne Bimson, MD
- T-042 The Impact of Birth Order on Neonatal Outcomes in Twins.**
Jacqueline Parchem, MD

THURSDAY, MARCH 17

T-043 Placental Pathological Findings That Reflect the Elevation of Procalcitonin Level in the Umbilical Venous Blood.

Prof. Masatoshi Kaneko

T-044 Utility of Cytomegalovirus and Toxoplasmosis Serologies in Polyhydramnios.

Amrin Khander, MD

T-045 Urothelial Cells May Indicate Underlying Bacteriuria in Pregnancy at Term.

Natasha S. Liou

MATERNAL BIOLOGY AND HEALTH

T-046 Adductomics: A Novel Approach to Detect Biomarkers of Adverse Environmental Exposures in Early Pregnancy.

Aude-Claire Morillon

T-047 Incidence of Non-Diagnostic First Trimester Ultrasound in Obese versus Non-Obese Women.

Sukhkamal Campbell, MD

T-048 Circulating Fibroblast Growth Factor (FGF) 19 Levels Decrease with Advancing Gestation in Healthy Pregnant Women.

Guadalupe Herrera-Garcia

T-049 Changes in Weight and Total Body Water in the First 2 Weeks Postpartum.

Nicole E. Marshall MD

T-050 Substance P and Calcitonin-Gen Related Peptide Increase Chemokine Expression in Human Cervical Fibroblasts (HCFs).

David Deschamps, MD

T-051 Blunted Ghrelin Signaling in Pancreatic Islets of Pregnant Rats Fed a Low Protein Diet.

Haijun Gao, PhD

T-052 Placental Growth Factor and Vascular Adaptation to Pregnancy: The Generation R Study.

Zoe A. Broere – Brown, MD

T-053 A Progesterone-Brown Fat Axis Is Involved in Regulating Fetal Growth.

Shadi Abu-Hayyeh, PhD

T-054 Inhibition of Efflux Transporters at the Blood-Brain Barrier Induces Spontaneous Seizure in Pregnant Rats.

Abbie Johnson, PhD

T-055 Influence of Shear Stress on Maternal Gestational Uterine Vascular Remodeling.

George Osol, PhD

T-056 Pregnancy Decreases Hippocampal Slice Excitability and Activity of NMDA Receptors.

Abbie Johnson, PhD

T-057 The Interaction of Fetal Sex and Maternal Cardiovascular Adaptation.

Kylie Cooper, MD

T-058 Maternal Metabolic Syndrome, Preeclampsia, and Small for Gestational Age Infancy.

Mieke C.E. Hooijschuur, MD

T-059 Post-Delivery Cardiovascular Function in Oxytocin Knockout Mice.

Sandra R. Herrera, MD

T-060 Variation in the Urinary Microbiome of Pregnant Women Compared to Non-Pregnant Controls.

Thaddeus P. Waters, MD

T-061 Maternal Microchimerism in Cellular Subsets of Cord Blood from Healthy Pregnancies.

Hilary S. Gammill, MD

BASIC PARTURITION

T-062 Implementation of Cervical Length Screening in Women with Prior Spontaneous Preterm Birth.

Eva Q. Jiang, BS

T-063 PPROM: Oxidative Stress in the Amniochorion Membranes.

Laura F. Martin, MSc

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- T-064 Utility of a Preterm Prevention Clinic for Pregnant Women with a History of Preterm Birth (PTB).**
Denise Rinaldo, MD
- T-065 IL-1 β But Not IL-6 Regulates Uterine Activation in Primary Human Myometrial Smooth Muscle Cells (HMSMC).**
Kelycia B. Leimert
- T-066 Toxic Metals Exposure in Amniotic Fluid Associated with Disruption in Fetal Gene Expression.**
Lisa Smeester
- T-067 A Novel Pathway for Genetically Indicated Preterm Birth: Integrative Network-omics of GWAS, Transcriptomic, and Proteomic Data.**
Douglas Brubaker, BS
- T-068 DEFB4 Copy Number Modulates Cervical Antimicrobial Immunity.**
Catherine P. James
- T-069 The Gene Expression Landscape of Mice Uterus from Early to Late Pregnancy: An Approach to Determine the Transition from Uterine Quiescence to Labor.**
Febilla Fernando, M.Sc
- T-070 Clock Genes Regulate Circadian Gating of Parturition and Gestation Length.**
Carmel A. Martin-Fairey, BS, MS, PhD
- T-071 The OTR Antagonist, OBE001, Inhibits OT-Driven Proinflammatory Effects in Both Human Myometrium and Amnion.**
Sung Hye Kim
- T-072 Mid-Trimester Cervico-Vaginal Fluid Elafin Concentrations Are Related to a Genetic Polymorphism of Peptidase Inhibitor 3 Elafin.**
Rachel M. Tribe, PhD
- T-073 Cell-Free DNA Production by Human Trophoblast Cells.**
Mark Phillippe, MD, MHCM
- T-074 Placental Corticotrophin-Releasing Hormone (pCRH) Is Associated with Shorter Gestation and Birth Weight.**
Ann Borders, MD, MSc, MPH
- T-075 Pregnancy Potentiates Agonist-Stimulated ERK1/2 And AKT Activation in Human Uterine Artery Smooth Muscle Cells *In Vitro*.**
Honghai Zhang, PhD
- T-076 Neutrophil Extracellular Traps in the Amniotic Cavity of Women with Intra-Amniotic Infection.**
Nardhy Gomez-Lopez, PhD
- T-077 Relative Contribution of Hormonal and Inflammatory Pathways to Uterine Transcriptome Dynamics in Term and Preterm Labor.**
Roberta Migale, MSc
- T-078 Activator Protein 1 Is a Key Modulator of NOD1 and NOD2 Inflammatory Activation in Vaginal Epithelial Cells.**
Richard Brown, MD
- T-079 Human Beta Defensins Levels in Cervicovaginal Fluid of Women with Chlamydia trachomatis Endocervicitis.**
Nathalia M. Noda-Nicolau, MS
- T-080 "Silent" Intra-Amniotic Inflammation Precedes Early Spontaneous Preterm Labor.**
Emmanuel Bujold, MD, MSc
- T-081 Relationship Between Yeast Infection and Vaginal Microbiome Composition in Pregnancy.**
Holly Lewis, MBBCh, MRCOG
- T-082 Proteomic Analysis of Human Placental Proteins Identifies CPPED1 as a Factor Involved in Spontaneous Term Birth.**
Antti Haapalainen, PhD
- T-083 Utility of a Vaginal Probiotic Therapy in Pregnancies Complicated by Bacterial Vaginosis.**
Denise Rinaldo, MD
- T-084 Clinical vs. Pathologic Intra-Amniotic Infection (IAI) and Risk for Severe Neonatal Morbidity Among Very Preterm Neonates.**
Christina A. Herrera, MD
- T-085 Progesterone Does Not Adversely Affect the Vaginal Microbiome in High-Risk Pregnancy with a Short Cervix.**
Lindsay Kindinger

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- T-086 Prognostic Microbiomial and Metabolite Markers of Preterm Birth in Second Trimester Cervicovaginal Fluid from Women at Risk.**
Dilly O.C. Anumba, MD
- T-087 Maternal TNF α and IL6 Are Positively Correlated with Increased Fetal MCA Velocity in the Third Trimester.**
Stephanie Pierce, MD
- T-088 N,N-Dimethylacetamide Regulates Pro-Inflammatory Cytokine Secretion in RAW 264.7 Cells and Human Placental Explants by Inhibition of Nuclear Factor Kappa B.**
Ryan Pekson, MA
- T-089 Placental Macrophages Produces Matrix Metalloproteinase-Rich Extracellular Traps in Response to Group B Streptococcus Infection.**
Ryan S. Doster, MD
- T-090 Intrauterine Inflammation Causes Postnatal Hippocampal Defects.**
Michael S. Hester, PhD
- T-091 Labor Curves in Multiparous Women Related to Interbirth Intervals: "The Born-Again Nullipara Theory".**
Dana R. Gossett MD, MSCi
- T-092 Androgen Receptor (AR) Signaling Contributes to the Maintenance of Cervical Resistance During Pregnancy by Suppression of Matrix Metalloproteinase 3 (MMP3) Expression.**
Sofia Makieva, PhD
- T-093 Biomechanical Computer Simulation of the Arabin Cervical Pessary.**
Michael Fernandez, MS
- T-094 The Role of PGRMC1 in Cytokine Induced MMP1, COX-2 and PGE₂ Expression in Amnion Mesenchymal Cells.**
T. Allen, MBBS
- T-095 Activated Dendritic Cells Cause Human Amnion Weakening with UPA/Serpin E1 Changes That Are Inhibited by Progesterone Receptor Agonists.**
Deepak Kumar, MD
- T-096 Genomic and Molecular Mechanisms of PGE₂-Mediated Cervical Ripening.**
Hari K. Annavarapu, PhD
- T-097 The Prediction of Preterm Birth Using Placental Alpha-Microglobulin-1 in Combination with Transvaginal Ultrasound.**
Dr. Anneke Heverhagen
- T-098 Effects of Levobupivacaine Hydrochloride on Myometrial Contractility of Isolated Human Uterine Stips During Pregnancy.**
Huishu Liu, MD, PhD
- T-099 Tocolytic Activation of Caspase 3 via Preconditioning of the Myometrial Endoplasmic Reticulum Stress Response.**
Judith Ingles, BS
- T-100 HoxA13 Stimulates Human Myometrial Cells to Secrete IL-1beta and Enhance Expression of Contraction Associated Genes.**
Xuesen Dong, PhD
- T-101 A Time for Parturition.**
Eng-Cheng Chan, PhD
- T-102 Nuclear Factor Kappa-B Functionally Modulates Hsa-miR-146b-3p in Human Myometrial Cells.**
Joanna R. Cook
- T-103 The Effect of Dietary High-Fat, High-Cholesterol (HFHC)-Induced Adiposity on Uterine Contractile Activity During Pregnancy and Parturition In Vivo: A Surgical Approach.**
Ronan D. Muir, BSc

PREECLAMPSIA

- T-104 In Vitro Model of Preeclampsia: Melatonin Inhibits Inflammation in Human Primary Trophoblast Cells.**
Eugenia M.A. Salustiano, PhD
- T-105 Placental Glucose Transporter (GLUT)-1 Is Down-Regulated in Preeclampsia.**
Camilla Marini, MSc

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- T-106 Association of RGS2 3'UTR Polymorphism with Risk of Preeclampsia in Overweight Women.**
Miira M. Klemetti, MD
- T-107 Second Trimester Decorin Levels Are Elevated in Preeclampsia Irrespective of Pre-Pregnancy BMI.**
Genevieve Eastabrook, MD
- T-108 Factors Contributing to the Increase in Birth Weight in Pregnancies Following Preeclampsia.**
Victoria Chase, MD
- T-109 Mitochondrial-Targeted Antioxidants Mediate Endothelial Dysfunction in Pre-Eclampsia.**
Cathal M. McCarthy, PhD
- T-110 Maternal Corin and NT-Pro-ANP Levels Are Increased in Women with Preeclampsia.**
Yuping Wang, MD, PhD
- T-111 First-Trimester Prediction of Preeclampsia Using Lipidomic Biomarkers.**
Joan K. Riley, PhD
- T-112 Serum Syndecan-1 Increases During Gestational Weeks 11-13 of Pregnancy.**
Elizabeth T. Greeley, MD, MPH
- T-113 Combination Treatments of VEGF and TNF Reveal Only a Narrow Range of Doses Promote Maximal Endothelial Function.**
Derek Boeldt, PhD
- T-114 Endogenous Progestogens Differentially Influence Angiogenesis.**
Avinash S. Patil, MD
- T-115 The Vascular Glycocalyx, a Protective Coating of the Endothelium, Is Structurally Impaired in Preeclamptic Pregnancies.**
Tracey Weissgerber, PhD
- T-116 Microvascular Endothelial Cells from Preeclamptic Women Exhibit Altered Expression of Angiogenic and Vasopressor Factors.**
Dennis K. Lee, PhD
- T-117 Adrenomedullin2 (ADM2) Inhibits the Anti-Angiogenic Effect of TNF α in Endothelial Cells via Its Interaction with CRLR and RAMP2.**
Madhu Chauhan, PhD
- T-118 Effect of Angiotensin II Receptor Subtype2 Stimulant on the Change of Humoral Factors in Preeclampsia Mouse Model.**
Keiichi Matsubara, MD, PhD
- T-119 Prospective Cross-Sectional Study of Placental Growth Factor (PIGF) in Women with Multiple Pregnancy.**
Deirdre Hayes-Ryan
- T-120 Complement Activation in HELLP.**
A.J. Vaught, MD
- T-121 Low Prepregnancy Plasma Volume and Increased Blood Pressure are Associated with Increased Risk of Small for Gestational Age Infants in Subsequent Pregnancy.**
Erin A. Morris, MD
- FETUS**
- T-122 Fetal Inflammatory But Not HPA Axis Gene Expression Is Negatively Associated with Gestational Age at Birth.**
Neeta L. Vora, MD
- T-123 Non-Invasive Prenatal Screening: Is There Usefulness Beyond Fetal Aneuploidy?**
Shanna Shumaker, MD
- T-124A Novel Approach to Prenatal Measurement of the Fetal Frontal Lobe Using Three Dimensional Sonography.**
Bradley D. Holbrook, MD
- T-125 Performance of Chromosomal Microarray Analysis by Specific Congenital Heart Defects.**
Sifa Turan, MD
- T-126 Increased Glucagon and Decreased Visfatin Concentrations in the Cord Blood of Fetuses from Type I Diabetic Patients.**
Meghan G. Hill, MBBS

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- T-127** How to Define Fetal Growth Restriction? An Observational Study Exploring Clinical Implications of Different Definitions: The Generation R Study.
Zoe A. Broere — Brown, MD
- T-128** Development of Normal Fetal Growth Patterns In Vivo Using High Frequency Ultrasound for Modeling Abnormal Growth in a Murine Model.
Mary Peavey, MD
- T-129** The Effect of Maternal Obesity on Fetal Growth.
Ruofan Yao, MD, MPH
- T-130** Feasibility of Fetal Fat Quantification in High BMI Patients Using MRI.
Stephanie Giza
- T-131** No Evidence of Maternal-Fetal Heart Rate Synchronization During Labour: ConceFT Approach to Quantifying Interaction Between Maternal and Fetal Heart Rate.
M.G. Frasch, MD, PhD
- T-132** Impaired Cardiac Function in Female Adult Progeny of Diabetic Mothers Is Associated with Cardiac Fibrosis.
Rolanda Lister, MD
- T-133** Global Metabolomics Reveals Metabolic Changes in Heart at Birth.
Jacquelyn Walejko, BS
- T-134** Obstetrical Characteristics of Patients with Hypoxic Ischemic Encephalopathy Undergoing Hypothermia Therapy.
Jose R. Duncan, MD
- T-135** Transcriptomics Reveal Effect of Triclosan On Placental Lipid and Hypothalamic Neuropeptides.
Maureen Keller-Wood, PhD
- T-136** Unlocking Pathways to Fetal Brain Injury from Intrauterine Inflammation: Metabolomic Profiling of the Fetal Brain and Amniotic Fluid.
Michal A. Elovitz, MD
- T-137** Bilateral Cervical Vagotomy (Vx) Followed by Low-Dose Endotoxin (LPS) Exposure Reduces Brain Inflammation with a Distinct Decrease in Size of Iba1+ Microglia in Near-Term Ovine Fetus.
M.G. Frasch, MD, PhD
- T-138** Effect of Magnesium Sulfate on Fetal Brain Activity Assessed via Non-Invasive Magnetoencephalography.
Hari Eswaran, PhD
- T-139** Low-Dose Endotoxin (LPS) Exposure Induces M1-Specific Macrophage Inflammation and Down Regulates Occludin in Terminal Ileum of Near-Term Ovine Fetuses: Relation to Heart Rate Variability (HRV) as Potential Predictive Marker of Incipient Necrotizing Enterocolitis.
H.L. Liu
- T-140** Additive Neuroprotective Effects of Interleukin-1 Receptor Antagonist Combined to Hypothermia in a Rat Model of Lipopolysaccharide Plus Hypoxic-Ischemic Encephalopathy.
Mathilde Chevin, BSc

DEVELOPMENTAL PROGRAMMING

- T-141** Increased Oxidative Stress (OS) at 90% (0.9) of Gestation (G) in the Frontal Cortex (FC) of Fetuses of Obese Baboons on a High Energy Diet.
Cun Li, MD
- T-142** Association Between Hyperemesis Gravidarum and Childhood Attention Deficit Hyperactivity Disorder by Gestational Age and Race/Ethnicity.
Darios Getahun, MD, PhD
- T-143** Metabolic Plasticity in Cell Fate Determination in Hematopoietic Stem and Progenitor Cells.
F. Delahaye
- T-144** Intergenerational Transmission of Protection Against Heart Disease via the Maternal Mitochondria.
Y. Niu, DPhil

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- T-145 **Angiotensin, Aldosterone and Vasopressin Levels Are Dysregulated in Prenatal Testosterone Exposed Adult Hypertensive Female Rats.**
Amar More, PhD
- T-146 **A Comparative Analysis of Microarray-Based DNA Methylation in Maternal Blood and Amnion.**
Young Ju Kim, MD, PhD
- T-147 **Maternal Obesity (OB) Increases the Stiffer, Shorter Titin Isoform in the Maternal and Fetal Heart.**
Chaoqun Zhu
- T-148 **Sex-Dependent Effects of Antenatal Exposure to Betamethasone on Omental Fat in Adult Sheep.**
Jorge P. Figueroa, MD, PhD
- T-149 **Accelerated Right Heart Aging in IUGR Offspring of Undernourished Pregnant Baboons.**
Anderson H. Kuo, MD
- T-150 **Effect of High Fat Diet on Vascular Function in Offspring Born to Hypertensive Mothers.**
Alejandra Ontiveros, MD
- T-151 **Activation of Transcriptional Response Elements of Endoplasmic Reticulum Stress in Human Umbilical Vein Endothelial Cells from Maternal Obesity.**
Marcelo Farias-Jofre, MD, PhD
- T-152 **Endothelial Dysfunction and Reduced Insulin Response in Umbilical Vein from the Offspring of Maternal Obesity Pregnancies.**
Marcelo Farias-Jofre, MD, PhD
- T-153 **Sex-Specific Activation of Fibrosis Pathways in the IUGR Fetal Baboon Heart and Skeletal Muscle at 0.9 of Gestation (G).**
Junfei Li, MD Student
- T-154 **Developmental Programming of Mitochondrial Function in a Mouse Model of Metabolic Syndrome.**
Egle Bytautiene MD, PhD
- T-155 **Sex-Specific Effects of Maternal Bisphenol A (BPA) on Offspring Fatty Acid Metabolism.**
Juanita K. Jellyman, PhD
- T-156 **Growth Trajectory and Prenatal and Postnatal Phenotype in a Nonhuman Primate (NHP) Model of IUGR.**
Susan L. Jenkins, MS
- T-157 **Maternal Nutrient Restriction (MNR) in Guinea Pigs Leads to Fetal Growth Restricted (FGR) Offspring with Differential Rates of Organ Catch-Up Growth.**
Catherine Nevin, MSc Candidate
- T-158 **In the Rat Consumption of Vegetable or Animal Protein Diets in Pregnancy and Lactation Alter Milk Composition and Offspring Outcomes.**
C.J. Bautista
- T-159 **Chronic Amino Acid Supplementation Increases Beta-Cell Mass, Islet Area, and Pancreatic Vascularization in Growth Restricted Fetal Sheep.**
Melissa Davis, MSc
- T-160 **Maternal Vitamin D Deficiency in Rats Alters Maternal-Pup Interactions and Impairs Adult Offspring Social and Cognitive Behaviors.**
Caitlin Wyrwoll
- T-161 **Hypothyroidism in Pregnancy Increases the Risk of Autism Spectrum Disorders in the Offspring.**
Darios Getahun, MD, PhD
- T-162 **Maternal Nutrient Restriction (MNR) with Fetal Growth Restriction (FGR) in Guinea Pigs Impacts Brain Development and Neuroimaging Correlates.**
Catherine Nevin, MSc Candidate
- T-163 **Epigenetic DNA Methylation-Mediated Neuronal Differentiation: A Mechanism for Programmed Hyperphagia in SGA Offspring.**
Mina Desai, PhD

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PLACENTA

- T-164 Placental Metabolomics: Methods and Applications.**
Peter Dixon, PhD
- T-165 Mass Spectrometric Identification of Eicosanoid and Endocannabinoid Production Following Inflammatory Stimulation of Human Chorion-Dedivua.**
Murray D. Mitchell, DSc
- T-166 Does Endoplasmic Reticulum (ER) Stress in the Placenta Initiate Parturition?**
Mie Jung Park-York, PhD
- T-167 Antiphospholipid Antibodies, Stillbirth, and Placental Pathology.**
Karen J. Gibbins, MD
- T-168 In Vivo Targets of Human Placental Extracellular Vesicles.**
Mancy Tong, PhD Candidate
- T-169 Oxygen Levels Modulate the Expression of HSD3 β 1 and LIFR in HTR-8/SV Neo Cells.**
Manu Banadakoppa, PhD
- T-170 Fractal Dimension as an Objective Measure of Villous Complexity and Its Association with Clinical Parameters in SGA Pregnancies.**
Samantha Benton, PhD
- T-171 Infection of Placental Hofbauer Cells (HBCs) with Herpes Virus Suppresses Both Response to LPS and Bactericidal Properties: Consequences for Bacterial Infection of the Fetus.**
Seth Guller, PhD
- T-172 1,25(OH)₂D₃ Attenuates Angiotensin II-Induced Placental Vascular Smooth Muscle Cell Contraction: Potential Beneficial Effects of Vitamin D on Placental Vascular Function.**
Xiuyue Jia, MD
- T-173 Toll Like Receptor-4(TLR4) Placental Expression Reflects Maternal Obesogenic Environment But Does Not Predict Neonatal Adiposity.**
Xiaohua Yang, PhD
- T-174 Prenatal Maternal Stress Alters Placental Endocrine Functions in Sex Dependent Manner.**
Joey St-Pierre
- T-175 Versican: A Novel Biomarker for Placenta Accreta Invasion.**
Camilla M. Goncalves
- T-176 Expression of the Novel Cell Adhesion Molecule TMIGD1 in Human Trophoblast Cells.**
Cynthia Wang
- T-177 The Placental Phenotype Adapts to Chronic Hypoxia and Mitochondria-Targeted Antioxidant (MitoQ) Therapy in Rat Pregnancy.**
A.M. Nuzzo
- T-178 Trained Memory in Decidual NK Cells During Human Pregnancy.**
Simcha Yagel, MD
- T-179 Tetraspanin Molecules CD9, CD63 and CD81 Modulate Cell Fusion in a Model of Syncytiotrophoblast Formation.**
Elizabeth A. Bonney, MD, MPH
- T-180 Oxygen, Glucose and Insulin Modulate the Expression of miRNAs from Chromosome 19 Cluster in Trophoblast Cells and Exosomes.**
Carlos Salomon, MSc, PhD
- T-181 Melatonin Protects Human Placental Choriocarcinoma Cells Against Hypoxia/Reoxygenation-Induced Endoplasmic Reticulum (ER)-Stress.**
Phillippe Wong-Yen
- T-182 1,25-Dihydroxyvitamin D₃ Increases SNAT2 Gene Expression and Stimulates System A Amino Acid Transport in Primary Human Trophoblast Cells.**
Yi-Yung Chen, MD
- T-183 Global Metabolomics of the Placenta Over 24 Hours.**
Anushka Chelliah, MD

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- T-184** Acylcarnitine Profiles Indicate Low Mitochondrial Fatty Acid Oxidation in Placentas of Obese Women.
Perrie O'Tierney-Ginn, PhD
- T-185** Disruption of Endocrine Function Reduces Murine Placental Efficiency.
Graham J. Burton, MD
- T-186** Involvement of the IL-1 β PMN/MMP-10 Axis in Group B Streptococcus-Induced Chorioamnionitis.
Julie L. Bergeron, MSc
- T-187** Effect of Resveritrol on Basal and Bacteria-Stimulated Placental Cytokine Production.
Morgan R. Peltier
- T-188** Associations Between Type I Interferon Responses, Gravidity, and Birth Weight in Placental Malaria.
Stephanie G. Valderramos, MD, PhD
- T-189** End-Gestational Group B Streptococcus Infection: Sex Dichotomic Chorioamnionitis and Autistic-Like Traits in Male Offspring.
Marie-Julie Allard, MSc

ENDOMETRIOSIS, FIBROIDS, AND GYNECOLOGY

- T-190** "Challenging My Womanhood": An Assessment of Health Care Interactions Amongst Women with Fibroids.
Ijeoma Okeigwe, MD, MPH
- T-191** Early Phase Pain Trials Need to Consider the Sex and Hormonal Status of Participants.
K. Vincent, MRCOG, DPhil
- T-192** Impact of Using Leuprolide Acetate (LA) Post-Laparoscopy on Subsequent Surgery for Endometriosis.
Ahmed M. Soliman
- T-193** Assessing the Impact of Endometriosis (EM) Symptoms on Health-Related Quality of Life (HRQL) Using Endometriosis Health Profile (EHP-30).
Ahmed M. Soliman
- T-194** Let-7 Family miRNAs as Serum Biomarkers of Endometriosis in a Mouse Model.
Benjamin J. Seifer, BS
- T-195** Optimization of Slow-Release Estradiol Capsules in Ovariectomized Mice.
Danielle Peterse, MSc
- T-196** Characterization of NK Cells in Endometriosis Associated Pain.
Kalle Soderstrom, PhD
- T-197** Higher Expression of NOTCH1 Signaling in Endometriotic Lesions Contributes to Progesterone Resistance via Hyper-Methylation of Progesterone Receptor.
Ren-Wei Su, PhD
- T-198** Abstract Withdrawn - F – 211 Displayed in Place
Level of the Inducible 70kDa Heat Shock Protein (Hsp70) in Cervicovaginal Epithelial Cells Predicts Permissiveness to High Risk Human Papillomavirus (HPV) Infection.
Mio Sawai, MD
- T-199** DNA Methylation Profiling in Endometriosis - Laser Capture Microdissection Enables Targeted Analyses.
Eva Simon, PhD
- T-200** Lesion Specific KLF10 Levels Determine Cyst Development and Disease Progression in Endometriosis.
Chandra C. Shenoy, MD
- T-201** Mast Cells and Chymase: Are They Partners in Crime in Pelvic Pain and Endometriosis?
Bianca De Leo, MSc
- T-202** Anxiety Related Behaviors in a Mouse Model of Endometriosis.
Alexis Laux-Biehlmann, PhD
- T-203** Distant Relative Pair Analysis Identifies a DNA Repair Gene POLN Associated with Familial Endometriosis.
Kenneth Ward, MD

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- T-204** Impact of Psychological Stress on Pain Perception in an Animal Model of Endometriosis.
Siomara Hernandez, BS
- T-205** Endometrial Gene Expression Analysis of Genes Found to Be Associated with Endometriosis by GWAS.
Luca Pagliardini
- T-206** Estradiol Production in Endometriosis: The Roles of NR5A1 and GATA6.
Lia Bernardi, MD
- T-207** Physical & Mental Health Components of Health Related Quality of Life (HRQL) and Health State Utilities (HSU) for Uterine Fibroids (UF) Patients in the United States (US).
Ahmed M. Soliman
- T-208** Therapeutic Use of Ulipristal to Inhibit Leiomyoma Growth Inhibits Smooth Muscle Contractile Protein Expression in Surgical Samples.
William H. Catherino, MD, PhD
- T-209** Vitamin D Receptor Plays Role in the Transformation of Uterine Myometrial to Fibroid Cell Phenotype.
Sunil K. Halder, PhD
- T-210** Mass Balance Study of the Novel Selective Progesterone Receptor Modulator Vilaprisan in Healthy Volunteers.
Marcus Schultze-Mosgau
- T-211** Do Steroid Hormones Regulate a Kinase Anchoring Protein 13, AKAP13, Expression in Fibroid Cells?
Farah S. Chuong, MD
- T-212** Vitamin D Deficiency Induces an Overactive Bladder Syndrome Phenotype in a Novel Murine Model.
Mohamed Abdelaziz, MD
- T-213** Low Impact of Vaginal or Buccal Misoprostol on Mucosal and Systemic Immune Activation and the Cervicovaginal Microbiome.
David M. Aronoff, MD
- T-214** Lactobacillus Crispatus Protects Vaginal Epithelial Cells from Leptotrichia Amnionii-Induced Damage.
Caroline Mitchell MD, MPH

REPRODUCTIVE BIOLOGY

- T-215** The S100A8 Concentration in Sera Prior to Initiation of an In Vitro Fertilization (IVF) Cycle Predicts Subsequent Outcome.
Dimitrios Nasioudis, MD
- T-216** Fetal Microchimerism in Pregnancies Complicated by Multiple Sclerosis.
Raj Swati Shree, MD
- T-217** Reconstruction of the Human Endometrium Using Decellularized Uterine Tissues.
Susan A. Olalekan, PhD
- T-218** Regulation of Oocyte DNA Methylation: Can Insulin and Its Terminal Enzyme Glycogen Synthase Kinase 3 (GSK3) Be Involved?
Michael Balistreri, MD
- T-219** Obese Women Experience Impaired Endometrial Receptivity In Vitro Compared to Lean Women.
Maureen M.B. Schulte, MD
- T-220** Cigarette Smoking Affects Uterine Receptivity.
Gulcin Sahin Ersoy, MD
- T-221** Stromal Cell-Derived Factor-1 Expression by Endometrial Stromal Cells In Vitro Increases with Incubation Time.
Emily C. Holden, MD
- T-222** Does Insulin Resistance Correlate with Changes in the Endometrial Transcriptome by the Endometrial Receptivity Array?
Stephanie Smeltzer, MD
- T-223** Altering Androgen Precursor Availability Impacts on Decidualization and Endometrial Receptivity.
Douglas A. Gibson, PhD
- T-224** Evidence for a Role for Glucocorticoids in Endometrial Remodelling at Menses?
Gregory M. Armstrong, MSc

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- T-225** iTraQ Proteomic Comparative Analysis of Endometrium from Fertile Donors, IUD Carriers and Patients with Recurrent Implantation Failure (RIF) Reveals No Differential Proteomic Profile in RIF versus Fertile Donors.
Silvia Perez-Deben
- T-226** Effects of Gonadotropin Ratio on the *In Vitro* Growth of Rhesus Ovarian Pre-Antral Follicles.
Seung-Yup Ku, MD, PhD
- T-227** Pregnancy and Turner Syndrome – SNP Array Analysis of Three Women with 45,X and Preserved Fertility.
Nicole K. Banks
- T-228** MicroRNA-210: A Mediator of Hypoxic Responses in Human Granulosa Cells.
Tal Imbar, MD
- T-229** Transgenic Increase in n-3/n-6 Fatty Acid Ratio Protects Ovarian Follicle Pool from Detrimental Effects of High-Fat Diet.
Malgorzata E. Skaznik-Wikiel, MD
- T-230** Alteration of CD83 Expression and sCD83 Secretion in the Course of Pregnancy.
Katrin R.H. Packhaeuser
- T-231** Influence of Human Chorionic Gonadotropin (hCG) on the Naive Immune System.
Olivia J. Heidecke
- T-232** Unique Expression of Immune-Related Genes in Women with Endometriosis.
Soo Hyun Ahn
- T-233** Macrophage Subsets in Follicular Fluid and Ovarian Response to Controlled Ovarian Stimulation.
Maria D. Salazar, MD

REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

- T-234** Shifts to and from Daylight Saving Time and In Vitro Fertilization (IVF) Outcomes.
Violet E. Klenov, MD
- T-235** Serum Levels of 25-Hydroxyvitamin D and Time to Natural Pregnancy.
Alessio Paffoni, MSc
- T-236** Both Fatty Acids and Cholesterol Are Released from Lipid Droplets During Stimulation of Steroidogenic Cells.
George Patounakis, MD, PhD
- T-237** Optimal Delivery Route in Low Risk Term Twin Pregnancies Conceived After Infertility Treatment: Is the “Precious Baby” Effect Justified?
Gustavo Vilchez, MD
- T-238** Follicular Fluid Steroid Hormone Levels on the Day of Ovum Pick-Up in Infertile Women Differed Based on Infertility Etiologies and Correlated with IVF Outcome.
Zainab Al-Mudamgha, PhD
- T-239** MRAP2 a Novel Marker of Endometrial Receptivity?
Federica Romani, MD
- T-240** Women without Risks for Tubal Infertility Are as Likely to Have Abnormal Hysterosalpingogram.
Alyssa N. Small, MD
- T-241** Orally Active Agonist of Follicle Stimulating Hormone Receptor Is Safe and Effective in Preclinical Models.
Selvaraj Nataraja, PhD
- T-242** Ultrasound 3-D Technology Is Not Superior to 2-D Technology for Antral Follicle Count as an Ovarian Reserve Test.
Joao S. Cunha-Filho, PhD
- T-243** GnRH Analogues Lead to Pro-Inflammatory Changes in T Lymphocytes.
Na Young Sung, MD
- T-244** Reproductive Outcomes in Recurrent Pregnancy Loss, Prematurely Diminished Ovarian Reserve and Fecundity.
Tendai M. Chiware, MBChB
- T-245** FMR1 CGG Repeat Length and Embryo Development.
Nicole K. Banks, MD

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- T-246 **WISP1 Is a Novel Adipokine Linked to Insulin Resistance and AMH Levels in Polycystic Ovary Syndrome.**
Gulcin Sahin Ersoy, MD
- T-247 **Integrated Ovary-Specific DNA Methylation Profiling and Transcriptome Reveals Novel Regulatory Features in Polycystic Ovary Syndrome.**
Da Li
- T-248 **Daily Salivary Cortisol Patterns in Midlife Women with Hot Flashes.**
Susan D. Reed, MD, MPH
- T-249 **Fertility Preservation in Women with Rare Immunodeficiencies Prior to Bone Marrow Transplantation.**
Nicole Millan, BS

GYNECOLOGIC ONCOLOGY

- T-250 **Chemoresistant Ovarian Cancer Cells Manifest Lower Vascular Endothelial Growth Factor and Hypoxia Inducible Factor-1 α : A Potential Survival Mechanism.**
Osama Nusrat, MD
- T-251 **Mass Spectrometry Analysis of Microcystic Elongated and Fragmented (MELF) Pattern of Myoinvasion Endometrial Tumor Cells Provides a Panel of Potential Proteins for Positive Identification of MELF Lymph Node Metastasis.**
John P. Shapiro, BS
- T-252 **PARP Inhibitors for Treatment of Ovarian Cancer: The Downside of Good Intentions.**
Chiara Bellio, PhD
- T-253 **Tamoxifen Leads to DPPIV/CD26 Clearance from the Cell Surface Through Endocytosis.**
Mireia Martin-Satue
- T-254 **Obesity and Gynaecological Cancer – An Umbrella Review and Meta-Analysis.**
Maria Kyrgiou
- T-255 **SYD985, a Novel HER2 Targeting Antibody-Drug-Conjugate, Demonstrates Remarkable Antitumor Activity in Carcinosarcoma.**
Jonathan Black

STEM CELLS

- T-256 **Expansion of Fetal and Adult Hematopoietic Progenitors Using Modified Embryonic Stem Cell Conditions.**
Panicos Shangaris, MBBCh, MSc
- T-257 **Exposure to Recombinant Anti-Mullerian Hormone (AMH) Downregulates Ovarian Follicle Cells – Stemness Potential in Fresh and Vitriified/Thawed Ovarian Cortex.**
Laura Detti, MD
- T-258 **Regulation of Trophoblast Progenitor Traits by OVO-Like 1.**
Stephen J. Renaud, PhD
- T-259 **Telomerase Reverse Transcriptase Promoter Activity in Mouse Endometrium Identifies Rare Potential Epithelial and Endothelial Progenitors.**
Caroline E. Gargett, PhD
- T-260 **Protection Against Chemotherapy Induced Premature Ovarian Failure Using Granulosa Cell-Derived Induced Pluripotent Stem Cells.**
Kevin M. Elias, MD
- T-261 **Conditioned Medium from Human Amniotic Fluid Stem Cell Ameliorated Glutamate-Induced Apoptosis.**
Marie Fukutake
- T-262 **De- and Recellularization of the Pig Uterus: A Pilot Study in Uterus Bioengineering.**
Hannes Campo

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EPIDEMIOLOGY, POPULATION HEALTH, AND GLOBAL HEALTH

- T-263** The Global Prevalence of Tocophobia: A Systematic Review and Meta-Analysis.
Maeve A. O'Connell, BSc (Hons), MSc
- T-264** A Systematic Review and Meta-Analysis of Stillbirth and Related Complications in Advanced Maternal Age Provides a Rationale for Focussing on Placental Dysfunction in These Pregnancies.
Samantha C. Lean, BSc(Hons), MRes
- T-265** Contraceptive Use, Challenges, and Need Among Central Asian Female Migrants.
Alexandra Golobof, MD
- T-266** Weighted Random Sampling in the STOP Study of Postpartum Haemorrhage: An Efficient and Unbiased Study Design.
Paul T. Seed, MSc
- T-267** Factors Associated with Operative Delivery in the United States, 2005-2012.
Alexander M. Friedman, MD
- T-268** Cigarette Smoking During Pregnancy in the United States from 2005 to 2013.
Alexander M. Friedman, MD
- T-269** Trends in Trial of Labor After Cesarean Delivery, 2005-2012.
Alexander M. Friedman, MD
- T-270** Route of Delivery and Neonatal Outcomes in Vertex Presenting First and Second Twins in the United States, 2011 to 2013.
Amir Shamshirsaz, MD
- T-271** Endothelial Dysfunction in Formerly Preeclamptic Women with Heart Failure Stage B.
Nicolette M. Breetveld, BA
- T-272** Long-Term Surgical Morbidity After Hysterectomy with Ovarian Conservation: A Rochester Epidemiology Project (REP) Study.
Zaraq Khan, MBBS
- T-273** Maternal Morbidity Associated with Hysterectomy After Vaginal Delivery at Low, Moderate, and High Volume Hospitals.
Alexander Friedman, MD
- T-274** Extreme Heat and Risk of Stillbirth.
Nathalie Auger, MD, MSc
- T-275** Factors Associated with Smoking Cessation During Pregnancy.
Alexander M. Friedman, MD
- T-276** Antioxidant Intake, Oxidative Stress, and Pregnancy: Results from the Lifestyle and Fertility Study (ISIS).
Marlene B. Goldman, ScD
- T-277** Pregnant Women Had the Risk of Psychological Distress in Miyagi After the Great East Japan Earthquake: The Japan Environment and Children's Study (JECS).
Zen Watanabe

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CLINICAL PERINATOLOGY

- F-001** Number of Uterine Contractions Following Open Fetal Myelomeningocele Repair.
Christina E. Rodriguez, MD
- F-002** Expectant Management of PPROM: Association of Antenatal Risk Factors and Obstetric Complications.
Kelli Barbour, MD
- F-003** Timing of Delivery in Pregnancies Affected by Fetal Neural Tube Defects.
Jasmine Lai, MD
- F-004** Type of Obstetrician Call Schedule and Delivery Outcomes Among Women Eligible for a Trial of Labor After Cesarean.
Lynn M. Yee, MD, MPH
- F-005** Expectant Management of PPROM: Association of Antenatal Complications and Neonatal and Maternal Morbidity.
Kelli Barbour, MD
- F-006** Differential Effect of Early versus Late Onset Chronic Hypoxemia on Molecular Mechanisms Regulating Lung Maturation in the Late Gestation Fetus.
E.V. McGillick, PhD Candidate
- F-007** Predicting Preterm Delivery: Using the MFMU BEARs Trial Data to Optimize Corticosteroid Use in Women at Risk for Preterm Delivery.
Carolynn Dude, MD, PhD
- F-008** Intramuscular versus Vaginal Progesterone for the Prevention of Preterm Delivery in Women with a History of a Prior Preterm Birth.
Michael Balistreri, MD, MPH
- F-009** The Prediction of Preterm Labour in Asymptomatic High-Risk Women: Plasma Anandamide Compared to OfFN and IGFBP-1.
P. Bachkangi, MBChB
- F-010** Is Third Stage Oxytocin Administration Associated with an Increased Risk of Retained Placentas?
Danielle A. Peress, MD
- F-011** Risk of Preterm Birth After Treatment for Cervical Precancer Increases with Increasing Cone Depth: Systematic Review and Meta-Analysis.
Maria Kyrgiou
- F-012** Amniotic Fluid Volume at Diagnosis of Second Trimester PPROM Impacts Latency Time.
Kristina M. Shumard, MD
- F-013** Lipoprotein Concentration, Particle Size, and Preterm Birth (PTB).
Matthew R. Grace, MD
- F-014** The Association of Cervicovaginal Fluid Metabolites at 20-22 Weeks Gestation with Quantitative Fetal Fibronectin, Ultrasound Cervical Length and Gestational Age at Delivery in Asymptomatic Pregnant Women.
Victoria Stern, MRCOG
- F-015** Urine Metabolic Phenotype Diversity in Pregnancy and Its Association with Preterm Delivery and Cervical Length.
Stefano Cacciatore, PhD
- F-016** Direct Effects on Fetal Growth and Cardiac Function of Antenatal Glucocorticoid Therapy: A Comparison Between Normoxic and Hypoxic Development.
N. Ty Lim
- F-017** Prediction of Cervical Shortening and Preterm Delivery Using Specific Cell Free Plasma MicroRNAs.
Joanna R. Cook, MRCOG
- F-018** Low-Dose Steroid Infusions Achieve Lung Maturation in a Sheep Model of Pregnancy.
Matthew Kemp, PhD
- F-019** Placental Pathology Associated with Glucose Intolerance During Pregnancy.
Tomoko Yamaguchi, MD
- F-020** Adrenomedullin Enhances the Transition from Lipid Storage to Lipolysis in Diabetic Pregnancies Through Inhibition of Lipid Metabolism Transcription Factor PPAR.
Yuan-Lin Dong, MD, PhD

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- F-021 Early Gestation Maternal Plasma CCL2 Predicts Adverse Pregnancy Outcomes in Obese Parturients.**
Mark Santillan, MD
- F-022 Gestational Diabetes Mellitus Is Associated with Compromised AMP-Activated Protein Kinase and Oxidative Stress in Placenta.**
Chao Tong, PhD
- F-023 Declining Insulin Requirements During the Third Trimester of Pregnancy and Obstetrical Outcome.**
Sharon Maslovitz, MD
- F-024 Maternal Obesity Increases Oxidative Stress in the Fetal Baboon Pancreas in Late Gestation (G).**
Ablat Tuerxun, PhD
- F-025 Placental Steroidogenesis Pathway Is Altered in Gestational Diabetes Mellitus (GDM).**
Manu Banadakoppa, PhD
- F-026 Influence of Race and BMI on Cytokine Expression After Influenza Vaccination in Pregnancy.**
Sarah M. Wheeler, MD
- F-027 Texting for Diabetes Success: Pilot Testing of a Theory-Based Text Messaging Tool for Underserved Pregnant Women with Diabetes.**
Lynn M. Yee, MD, MPH
- F-028 Relationship Between Maternal Adiposity, Circulating Pro-inflammatory Cytokines, and Offspring Birth Weight and Adiposity in Humans.**
Ravindu Gunatilake, MD
- F-029 Optimizing eHealth for Smoking in Pregnancy: A Pilot Factorial Evaluation of Providing Single vs. Multiple Options.**
Robert J. Sokol, MD
- F-030 Incidence of Wound Complications in Cesarean Deliveries Following Closure with Absorbable Subcuticular Staples versus Conventional Skin Closure Techniques.**
Maria P. Ruiz, DO
- F-031 Risk Factors for Stillbirth in Women with Pre-Gestational Diabetes Mellitus.**
D. Dudley, MD
- F-032 Burn Injuries in Pregnancy.**
Meike Schuster, DO
- F-033 Pregnancy Outcomes Among Mothers of Patients with Inherited Bone Marrow Failure Syndromes.**
P. Stratton, MD
- F-034 Maternal and Neonatal Outcomes in Gravidas with Low Risk Thrombophilias: Does the Prophylactic Regimen Matter?**
Sarah Borders, MD
- F-035 Handwashing Practices in the Labor and Delivery Unit: Effect on Maternal and Neonatal Infectious Outcomes.**
Ashley Salazar, MSN, WHNP
- F-036 Macrosomia as Risk Factor for Shoulder Dystocia in Vacuum Extraction.**
Doron Kabiri, MD
- F-037 Does the Use of Prophylactic Antibiotics After Prolonged Intrauterine Balloon Tamponade Decrease the Likelihood of Developing Endometritis?**
Moeun Son, MD
- F-038 Association of Subclinical Hypothyroidism (SCH), Thyroid Autoimmunity and Time to Pregnancy.**
Torie C. Plowden, MD, MPH
- F-039 Spontaneous Preterm Birth Characteristics in a State with the Lowest Preterm Birth Rate in the United States.**
Kelley C. McLean, MD
- F-040 The Effect of Delivery Method on Survival Outcomes of Very Low Birth Weight Neonates.**
Anushka Chelliah, MD
- F-041 Manchester Advanced Maternal Age Study (MAMAS): A Prospective Observational Cohort Study to Identify Risk Factors and Markers of Adverse Pregnancy Outcome.**
Samantha C. Lean, BSc(Hons), MRes

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- F-042 Birth Weight of the Offspring Is Associated with Longevity.**
Heather S. Lipkind, MD, MS
- F-043 The Effect of Hepatitis C on Maternal Bile Acid Level and the Fetal Left Ventricular Tei Index.**
Kelly F. Cummings, MD
- F-044 Does Body Mass Index Impact the Rate of HIV Clearance in Pregnant Women Receiving Antiretrovirals?**
Luis M. Gomez, MD
- F-045 The Association Between Maternal Periodontal Disease and Chorioamnionitis.**
Courtney Olson-Chen, MD

MATERNAL BIOLOGY AND HEALTH

- F-046 Screening for Perinatal Mental Health and Medical Personnel Awareness in a London Hospital.**
Panicos Shangaris, MBBCh, MSc
- F-047 Variation in the Concentration of Vaginal Components During Pregnancy Progression: Potential Influence on the Composition of the Vaginal Microbiota.**
Dimitrios Nasioudis, MD
- F-048 High Plasma Adenosine Levels in Overweight Pregnant Women.**
Carlos Escudero, MD, PhD
- F-049 Obesity and Periodontal Diseases in Pregnancy: Inflammation and Antioxidant Levels in Saliva.**
C. Mando, PhD
- F-050 Catecholestradiols and Metoxyestradiols Stimulate Pregnancy Specific Nitric Oxide Production in Uterine Artery Endothelial Cells.**
Rosalina Villalon Landeros
- F-051 Human Uterine Myometrium Angiogenesis Is Positively Associated with Enhanced Hydrogen Sulfide Biosynthesis During the Menstrual Cycle and Pregnancy.**
Amanpreet K. Bilg
- F-052 Substance P and Calcitonin-Gene Related Peptide Stimulate a Pro-Inflammatory Phenotype in Human Cervical Fibroblasts (HCFs).**
David Deschamps, MD
- F-053 Women with a History of Early Pregnancy Loss Have Enhanced Cardiovascular Response to Subsequent Pregnancy.**
Carole A. McBride, BS
- F-054 Omental Artery Relaxations to CGRP Family Peptides are Greater in Women with Twins Compared to Singleton Pregnancy.**
Ancizar Betancourt, MSc
- F-055 Excess Gestational Weight Gain in Normal Weight Women: What Is the Impact on Maternal Body Composition?**
Erica K. Berggren, MD, MSCR
- F-056 Human Uterine Artery Estrogen Receptors During the Menstrual Cycle and Pregnancy.**
Thomas J. Lechuga, BS
- F-057 Altered Vascular Endothelial Function Three Months Postpartum in Dams of Advanced Maternal Age.**
Jude S. Morton, PhD
- F-058 Increase in Maternal Cardiovascular and Metabolic Risk in Nonlactated Mice Is Associated with Changes in Oxytocin System.**
Egle Bytautiene, MD, PhD
- F-059 High-Normal eGFR in Formerly Early-Onset Preeclamptic Women 10 Years Postpartum.**
Nina D. Paauw, MD
- F-060 Fetal Demise Due to Anti-Ro Mediated Congenital Heart Block Is Not Predicted by Assessment of Levels of Soluble Immune Mediators in Maternal Blood.**
Shilpi Mehta-Lee, MD

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BASIC PARTURITION

- F-061** The OTR Antagonist, OBE001, Suppresses the Effects of OT on miRNA Expression in Human Myometrium.
Sung Hye Kim, PhD
- F-062** Outcomes in an Obstetrical Population with Hereditary Thrombophilia.
Byron C. Calhoun, MD
- F-063** Immunoassay Performance of a Preterm Birth Classifier.
Andrew D. Gassman, BS
- F-064** Endoplasmic Reticulum Stress and Unfolded Protein Response Profile in Peripheral Blood Mononuclear Cells May Predict Timing of the Onset of Labor.
Chandrashekara N. Kyathanahalli, PhD
- F-065** Decreased Degradation of Myometrial L-Cysteine During Labor Favors Increased H₂S Production.
Rachael Bok
- F-066** Elevated Adiponectin in Mid-Trimester Amniotic Fluid Predicts Subsequent Preterm Birth.
Lamis El-Kabab, MD
- F-067** Two-Hit Hypothesis: Gestational Stress and Interleukin (IL)-1 β Influence Expression of Stress and Inflammation-Related Genes in Uterus and Hippocampus of Rat Offspring.
Barbara S.E. Verstraeten, MD
- F-068** Bacteria Associated with Chorioamnionitis Are Present in the Cervix of Women Who Deliver Preterm and Are Associated with Increased Cervicovaginal HBD1 Expression.
Catherine P. James
- F-069** Whole Exome Sequencing Identifies Rare Mutations in Genes Negatively Regulating Innate Immunity in PPROM in African-Americans.
Bhavi Modi, MS
- F-070** Early Second Trimester Plasma Metabolome Signatures of Cervical Shortening and Preterm Delivery.
Nancy Georgakopoulou, MSc
- F-071** Targeting Interleukin-1 Receptor with a Novel Noncompetitive Antagonist in Pregnant Mice Prevents Preterm Birth-Induced Neonatal Mortality/Morbidity.
Mathieu Nadeau-Vallee, BSc
- F-072** Thyroid Stimulating Hormone and Myometrium.
Penelope M. Sheehan, MD
- F-073** Silibinin Inhibits RANKL Expression and Its Activity in Human Uterine Leiomyoma Cells.
Deborah Elkhena, MD
- F-074** Mechanism Underlying Progesterone Prolongation of Gestation in the Mouse.
Ingrid Liff, MD
- F-075** Inflammation of Amniotic Fluid Cells Activating the MyD88 Pathway Is Not Mitigated with Progestational Agents.
Christopher Nold, MD
- F-076** Elevated Serum Mid-Pregnancy TNF[alpha] Is Associated with Preterm Birth.
Ann Borders, MD, MSc, MPH
- F-077** Is the Cervicovaginal Microbiota Different in Women with a Short Inter-Pregnancy Interval?
Jeny Ghartey, DO, MS
- F-078** Thrombin Induction of Colony Stimulating Factors in Term Decidual Cells Contributes to Abruption Induced Preterm Birth.
Rachel Sinkey, MD
- F-079** Enhanced Expression of Contraction Associated Proteins in Preterm Birth Model Mice with Chronic Odontogenic Infection.
Haruhisa Konishi
- F-080** Association of Elevated C-Reactive Protein (CRP) in Mid-Pregnancy with Gestational Age at Birth.
Ann Borders, MD, MSc, MPH

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- F-081 Activated Chemokines at Maternal-Fetal Interface Associate with Parturation.**
Nanlin Yin, MD
- F-082 Generation of Light-Emitting Somatic-Transgenic Mice for Disease Modelling of Infection-Related Preterm Birth.**
Natalie Suff, PhD Student
- F-083 Protease-Mediated Epigenetic Sensitization to Commensal Bacteria in Preterm Labor.**
William H. Nugent, PhD
- F-084 Progesterone Receptor B Inhibits IL-1 β -Induced Inflammation in Human Term Decidual Cells.**
Ozlem Guzeloglu Kayisli, PhD
- F-085 Rosiglitazone Treatment Attenuates Endotoxin-Induced Macrophage Activation.**
Tara N. Mial, BSc
- F-086 Thrombin Generation as a Novel Mechanism of Ureaplasma Parvum Pathogenicity in Fetal Membranes.**
Liping Feng, MD
- F-087 TLR-Signaling Mediates Intrauterine Inflammation-Induced Fetal Brain Injury.**
Michael S. Hester, PhD
- F-088 The Placental Microbiome Varies as a Function of Placental Bile Acids in Intrahepatic Cholestasis of Pregnancy (IHCP).**
Maxim D. Seferovic, PhD
- F-089 Effect on Labor Induction Outcomes with the Dinoprostone Vaginal Insert in Patients with Diabetes.**
Cindy T. Chau, MD
- F-090 The Use of Second-Harmonic-Generation (SHG) to Assess the Impact of Menopause on the Orientation of Collagen Fibres in the Human Cervix.**
Brenda Narice
- F-091 Cervical Smooth Muscle Cells from Women with a History of Premature Cervical Remodeling Exhibit Higher Rates of Apoptosis and Altered Cell Cycle Progression.**
Sisi Qin, PhD
- F-092 Gene Expression of DOT1L In Amniochorion Membranes with Chorioamnionitis in Preterm Birth: Preliminary Data.**
Bruna Ribeiro de Andrade Ramos, PhD
- F-093 Detection of Biochemical Changes in the Cervix During Induction of Labor in Human Subjects and Mouse Models Using In Vivo Raman Spectroscopy.**
Christine M. O'Brien, BS
- F-094 miR-143 and miR-145 Inhibit Cell Proliferation: A Potential Mechanism for Cervical Epithelial Barrier Breakdown and Premature Cervical Remodeling.**
Lauren Anton, PhD
- F-095 Backscatter Anisotropy in the Human Cervix.**
Timothy J. Hall, PhD
- F-096 Healing of the Ruptured Amnion: Mechanistic Insights.**
Haruta Mogami, MD, PhD
- F-097 Progestogens Modulate TNF- α Stimulated Connexin-43 Expression in Human Uterine Smooth Muscle Cells.**
Christopher W. Stamatkin, PhD
- F-098 Transport of Nitric Oxide in Human Uterine Myocytes.**
Chad L. Cowles, PhD
- F-099 Large-Scale Drug Discovery Strategy to Identify Potent and Selective Small Molecule Regulators of Uterine Contractility.**
Jennifer L. Herington, PhD
- F-100 Prostaglandin F2 α Alters Myometrial Responses to Inflammatory Stimuli.**
Yanmin Jiang, MD

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- F-101 **mTOR Signaling Is Activated in Response to Myometrial Stretch Implications for Preterm Labor.**
Heather Burkin, PhD
- F-102 **Discovery of a Novel Uterine Activation Protein Playing a Role In Preterm Birth of Mice and Humans: Neuromedin U Receptor 2 (NmU-R2).**
Mathieu Nadeau-Vallee, BSc

PREECLAMPSIA

- F-103 **The Effects of Progesterone Supplementation on Preeclampsia and Associated Outcomes.**
Ozgul Muneyyirci-Delale, MD
- F-104 **Loss of Placental Thrombomodulin in Oocyte Donation Pregnancies.**
Manon Bos, BSc
- F-105 **Cyclic AMP Treatment Depletes sFlt1 Production by Human Endometrial Stromal Cells During Decidualization.**
Augustine Rajakumar, PhD
- F-106 **The Impact of Uric Acid During Pregnancy.**
Benjamin P. Luscher, PhD
- F-107 **The Effect of Pregnancy Interval on Subsequent Pregnancy Blood Pressure Following Preeclampsia.**
Ira Bernstein, MD
- F-108 **Effect of Maternal Smoking Cessation on Blood Pressure During Pregnancy.**
Alexandra E. Brown, MS
- F-109 **Imbalance of Bioactive Sphingolipids Rheostat in Preeclampsia.**
Aneta Dobierzewska, PhD
- F-110 **Reduced Placental ATF3 Increases sFlt1 Export via the Cargo Proteins Rab11a and Arf1.**
Tu'uhevaha J. Kaitu'u-Lino, PhD
- F-111 **Extremely Low First Trimester Serum Syndecan-1 (Sdc1) Is Associated with Adverse Pregnancy Outcomes (APOs).**
Elizabeth Greeley, MD, MPH
- F-112 **A Potential Role for VEGF Signaling in the Development of Proteinuria in Preeclampsia.**
Kenna R. Organ, BS
- F-113 **Identification of a Novel Association Between miR-29a/c and Preeclampsia in Human Fetal Endothelial Cells.**
Chi Zhou, PhD
- F-114 **Effect of Regulatory T Cell Depletion on Uterine Artery Function in the Mouse.**
Alison S. Care, PhD
- F-115 **Cellular Localization of sflt1 Splice Variants in Placentas from Normal and Preeclamptic Pregnancies.**
Nihar R. Nayak, PhD
- F-116 **Metformin: A Novel Candidate Therapeutic for Preeclampsia.**
Fiona C. Brownfoot
- F-117 **Bacterial MDP Augments Trophoblast Pro-Inflammatory Responses to Antiphospholipid Antibody.**
Monica C. Pasternak
- F-118 **Effect of the Implementation of 2013 ACOG Task Force on Hypertension in Pregnancy Guidelines on Composite Perinatal Outcomes in an Urban Hospital.**
Nicole R. Hall, MD
- F-119 **Longitudinal Characterization of Tubular Damage in Normotensive and Preeclamptic Pregnancies.**
Elisabeth Codsí, MD
- F-120 **The Effect of 17-OHPC on Hypertensive Disorders of Pregnancy.**
Shravya Govindappagari, MD

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FETUS

- F-121 In Utero Exposure to Venlafaxine Induces Fetal Heart Defects and Alters Placental and Fetal Heart Serotonin Systems in the Rat.**
Laetitia Laurent, PhD
- F-122 Transvaginal Ultrasound Improves Fetal Spine Imaging in Morbidly Obese Women.**
Pooja D. Doehрман, MD, MPH
- F-123 Preoperative Imaging to Predict Need for Patch in Fetal Myelomeningocele Repair.**
Anna G. Euser, MD, PhD
- F-124 5-Hydroxymethylcytosine within the Human Term Placenta Is Rare and Concentrated in Poised Enhancer Elements.**
Benjamin B. Green, PhD
- F-125 Maternal High Density Lipoprotein (HDL) Cholesterol Is Taken Up by the Placenta and Is an Independent Determinant of Placental and Fetal Weight.**
Tore Henriksen, MD, PhD
- F-126 Impact of Fetal Sex on Cord Blood Metabolic Markers at Birth.**
Edward H. Springel, MD
- F-127 Transcriptome Expression Profiles Identify Increased Metabolic Capacity in Adipose Tissue from Fetal Sheep with Intrauterine Growth Restriction.**
Amy Kelly, BSc
- F-128 Maternal BMI, Percentage Body Fat, Fasting Glucose and High Density Lipoprotein Cholesterol (HDL) Were Associated with Percentage Body Fat in the Neonate, But Show Gender Differences.**
Marie Cecilie P. Roland, MD, PhD
- F-129 Decreased Substrate Oxidation and Increased Lactate Parallel Hepatic Glucose Production in Fetal Sheep with Intrauterine Growth Restriction.**
Stephanie R. Wesolowski, PhD
- F-130 A Mathematical Model of Fetal Cardiovascular and Metabolic Responses to Umbilical Cord Occlusions (UCO).**
N. Gold
- F-131 Fetal Epicardial Adipose Tissue Expresses Lipid Peroxidation and Genes in the Complement-Coagulation Pathway Following Maternal Hypercortisolemia.**
Elaine M. Richards, PhD
- F-132 Activation of Toll-Like Receptor Pathways in Fetal Hypothalamus After Transient Maternal Ventilatory Hypoxia.**
Charles E. Wood, PhD
- F-133 Maternal Cortisol Regulates Placental CRH Production in Human Gestation.**
Ann Borders, MD, MSc, MPH
- F-134 Vaginal LPS Preconditioning Might Protect Fetal Brain from Amniotic LPS Through Fetal Inflammatory Reaction.**
Yupeng Dong, MD, PhD
- F-135 Fetal Vagal Cholinergic Activity Modulates Inflammatory and Cardiovascular Responses to Low-Dose Endotoxin (LPS) Exposure.**
S. Tavakol
- F-136 Acute and Chronic Effects of Fetal Surgery and Vagal Denervation on Heart Rate Variability (HRV).**
M.G. Frasch, MD, PhD
- F-137 Cord Blood Gas and Lactate Analysis: What Happens When They Disagree?**
Christopher R.H. White, MBBS, PhD
- F-138 Loss of BBS3 Disrupts Normal Cell Death in a Ciliopathy Mouse Model of Fetal Hydrocephalus.**
Nina Nuangchamnong, MD

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DEVELOPMENTAL PROGRAMMING

- F-139** **Hyperglycemia Exposure In Utero Alters Stress Response in Mesenchymal Stem Cells.**
Jessica N. Tozour, MS
- F-140** **Bisphenol-A Exposure In Utero Programs a Sexually Dimorphic Estrogen Response of Metabolic Genes in the Murine Liver.**
Ramanaiah Mamillapalli, PhD
- F-141** **The Effects of a Maternal Obesogenic Diet on Maternal and Fetal Glucocorticoid and Leptin Levels in Mice.**
Julian K. Christians, PhD
- F-142** **Maternal High-Fat Diet Differentially Alters Endocannabinoid System in Brown Adipose Tissue of Male and Female Rat Offspring at Weaning.**
Isis H. Trevenzoli, PhD
- F-143** **Programmed Nitric Oxide (NO) Biology by Xanthine Oxidase (XO)-Derived Reactive Oxygen Species (ROS) in an Avian Model of Developmental Hypoxia.**
C. Beck, BSc
- F-144** **UDCA Administration in Cholestatic Pregnancy Ameliorates Metabolic Dyregulation of the Fetus and Offspring.**
Georgia Papacleovoulou
- F-145** **DNA Methylation of the Proopiomelanocortin Gene in Overweight and Obese Children as a Biomarker to Predict Metabolic Syndrome.**
Eun Jin Kwon, BS
- F-146** **Novel Common Genomic Variants Influence Fetal Growth and Adult Metabolic Phenotypes.**
Craig E. Pennell, MBBS, PhD
- F-147** **Maternal BPA Suppresses Offspring Adipose 11 β HSD2: Mechanism of Programmed Obesity.**
Juanita K. Jellyman, PhD
- F-148** **High Fat Diet During Pregnancy Alters MicroRNAs in the Fetal Heart.**
Bas van Rijn, MD, PhD
- F-149** **Antenatal Exposure to Betamethasone Alters MicroRNA Expression in White Adipose Tissue in Adult Sheep.**
Jorge P. Figueroa, MD, PhD
- F-150** **Antenatal Glucocorticoid Exposure Affects Adipose Tissue in a Sex and Body Weight Dependent Manner.**
Jorge P. Figueroa, MD, PhD
- F-151** **Sex Dependent Dysregulation of Hepatic Glucose Production in Gestational Low Protein Programmed Insulin Resistant Rat Offspring.**
Blesson C. Selvanesan, PhD
- F-152** **Endothelium-Dependent Vascular Function Is Impaired in Male Offspring from Aged Dams.**
Christy-Lynn M. Cooke, MD, PhD
- F-153** **Impact of Maternal Obesity and Overnutrition on Fetal Cardiac Function in Sheep.**
Qiurong Wang
- F-154** **Human Foreskin as a Model to Study Insulin Signaling and Adipogenesis in Neonates.**
Niraj R. Chavan, MD, MPH
- F-155** **Maternal Tobacco Smoke Exposure Impairs Placental Function and Induces Sex-Specific Alterations in Fetal Fatty Acids.**
Claudia Weinheimer, MD
- F-156** **Lower Fetal Vitamin D Status Is Associated with Increased Fetal Femur Growth and Structural Changes in the Late Gestation Sheep.**
Lucy R. Green, PhD
- F-157** **Down-Regulation of Placental Amino Acid Transport Precedes the Development of Intrauterine Growth Restriction in Response to Maternal Nutrient Restriction in Baboons.**
Priyadarshini Pantham, PhD
- F-158** **Maternal Nutrient Restriction (MNR) in Guinea Pigs Leads to Fetal Growth Restricted (FGR) Offspring with Reduced Open Field Activity.**
Brad J. Matuszewski

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- F-159 **Impact of Placental Growth Factor and Preeclampsia on Brain Development, Cognition, and Behaviour.**
B. Anne Croy, PhD
- F-160 **Hippocampal Neuronal Mechanisms in Impaired Spatial Memory and Learning in Rat Offspring of Mothers Exposed to Maternal Protein Restriction (MPR) During Pregnancy.**
Luis A. Reyes-Castro, MSc
- F-161 **Birth Sex Ratio in Baboon Mothers Fed Ad Lib, Reduced, or Obesogenic Diet.**
Hillary F. Huber, PhD

PLACENTA

- F-162 **The Effect of BMI on Clinical Outcomes and Placental Pathology in Pregestational Diabetes Pregnancy.**
Mai He, MD, PhD
- F-163 **Melatonin Activates NRF2 and Autophagy in Human Placental Trophoblasts.**
Lucas Sagrillo-Fagundes
- F-164 **Correlation Between Placental Tumor Necrosis Factor- α and Matrix Metalloproteinase-9 Throughout Normal Human Pregnancy.**
Jayasri Basu, PhD
- F-165 **Short-term Effects of Simvastatin on Human Placental Chorionic Plate Artery Vascular Reactivity.**
Mark Wareing, PhD
- F-166 **Conditioned Medium of Human Placental Multipotent Mesenchymal Stromal Cells-Derived Slit2 Involved in Placental Angiogenesis Through Robo Signaling.**
Chie-Pein Chen, MD, PhD
- F-167 **Rosiglitazone Attenuates Reactive Oxygen Species (ROS) Generation and Improves Survival Rate in Human Trophoblasts Under Oxidative Stress.**
Hamid Reza Kohan-Ghadr, PhD
- F-168 **Nkx2-5-Controlled Pathways in Placental Development and Disease.**
Christopher D. Clark
- F-169 **α 2-Adrenergic Receptors (α 2-ARs) in Pathogenesis of Preeclampsia: A Possible Role for (α 2c-ARs) in Modulating Trophoblast Syncytialization.**
Hanaa Motawea
- F-170 **3D Power Doppler Ultrasound for the Quantitative Diagnosis of Abnormally Invasive Placenta: Relationship of A_{con} with Gestational Age.**
Henry Maynard
- F-171 **Omega-3 Fatty Acids Decrease Lipid Esterification in Trophoblasts of Obese Women In Vitro.**
Virtu Calabuig-Navarro, PhD
- F-172 **Circulating Placenta RNA to Identify Pregnancies at Risk of Late Onset Fetal Growth Restriction.**
Clare L. Whitehead, PhD, MBChB
- F-173 **Effects of Selective Serotonin-Reuptake Inhibitors (SSRIs) on Migration and Invasion of Extravillous Trophoblast-Like JEG3 Cells.**
Helene Clabault, PhD
- F-174 **Kindlins are Highly Expressed in Human Villous Cytotrophoblast and Extravillous Trophoblast and Modulate Trophoblast-Substrate Adhesion.**
Daniel J. MacPhee, PhD
- F-175 **Proangiogenic States Observed in Placentas from Gestational Diabetes Mellitus Is Associated with Increased Cell Migration and Differential Activation of Vascular Endothelial Growth Factor Receptor 2.**
Jesenia Acurio, MSC(c)
- F-176 **NOTCH Pathway Inhibition Adversely Affects Trophoblast And Endothelial Cell Function In Vitro.**
Anna P. Ponnampalam, PhD
- F-177 **Defining the Role of Alternative Splicing in Trophoblast Differentiation: Implications for Maternal and Fetal Health.**
Simcha Yagel, MD

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- F-178 Protein Complex Profilin1/VASP^{pS157} and Cofilin1/VASP^{pS239} in Placenta Cell Invasion and Alterations by DHA, a Dietary Supplement.**
Mehboob Ali, PhD
- F-179 Fetal Perfusion Pressure Responses to Labetalol Infused into Maternal and Fetal Compartments of Dually Perfused Placenta.**
Andrey Bednov, PhD
- F-180 Effect of Maternal Obesity and Fetal Gender on Placental Fatty Acid Transport and Oxidation.**
Emma Rodriguez, MD
- F-181 Placental Conversion of Serine Is Not a Major Source of Glycine for the Human Fetus.**
Trond M. Michelsen, MD, PhD
- F-182 Effect of Maternal High Fat Diet on Placental Gene Expression in a Mouse Model of Preeclampsia/Fetal Growth Restriction.**
Joanna L. Stanley, PhD
- F-183 Gestational Carbenoxolone Exposure-Induced Alterations in Estrogen Receptors and P53 Expressions Do Not Affect Fetal and Placental Growth in Rats.**
Maie Al Badr, PhD
- F-184 A More Frequent Advanced-Stage, But Not Early-Stage, Ascending Intra-Uterine Infection Is Associated with Preterm Birth Due to Preterm Labor and Preterm-PROM at Lower Gestational Age.**
Chan-Wook Park, MD, PhD
- F-185 Preclinical Evaluation of Drugs to Block Inflammation Driven Preterm Birth (PTB).**
Demelza J. Ireland, PhD
- F-186 Effect of Polybrominated Diphenyl Ether (PBDE) Congeners on Placental Cytokine Production.**
Morgan Peltier
- F-187 Spatial Variation in Microbiota within Human Placentas: Evidence for Seeding from Different Body Niches.**
Indira U. Mysorekar, PhD

ENDOMETRIOSIS, FIBROIDS, AND GYNECOLOGY

- F-188 Obstetrical Management and Gynecologic Masses in Female Patients with Von Hippel-Lindau.**
Shawna L. Boyle, MD
- F-189 Progestins Enhance Susceptibility to Genital Infection by Increasing Mucosal Permeability.**
Thomas L. Cherpes, DVM, MD
- F-190 Hyaluronic Acid Synthesis and Degradation in Endometrial Epithelial and Stromal Cells from Women with and without Endometriosis.**
Jennifer F. Knudtson, MD
- F-191 Retracing the Macrophage Axis and Its Activation in Endometriosis.**
Oliver M. Fischer, PhD
- F-192 Profiling of a Potent and Selective Partial Estrogen Receptor Modulator (pERD) for Endometriosis.**
Andrea Wagenfeld, PhD
- F-193 Development and Characterization of a Rectovaginal Endometriosis Model in Mouse and Rat.**
Frank Sacher, PhD
- F-194 NF κ B Mediated Alteration in Stromal Cell Inflammation Influences Epithelial Cell Survival in Endometriosis.**
Brett D. McKinnon, PhD
- F-195 Early Estimation of the Overall Efficacy of a Partial ER Destabilizer and Its Active Metabolites Based on Preclinical Efficacy and Exposure Data and Clinical Pharmacokinetics.**
Marcus Schultze-Mosgau
- F-196 Replication Study Implicates IL33 and PDE1C as Candidate Genes for Endometriosis.**
Kenneth Ward, MD
- F-197 Altered ZFP36/ELAVL1 Levels in Endometriosis.**
Kasra Khalaj, MSc

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- F-198** MicroRNA miR-200b Affects Proliferation, Invasiveness and Stemness of Endometriotic Cells by Targeting ZEB1, ZEB2 and KLF4.
Ludwig Kiesel, MD, PhD
- F-199** IL-1 β Disrupts Morphological and Biochemical Differentiation of Human Endometrial Stromal Cells: Potential Role in Infertility.
Robert N. Taylor, MD, PhD
- F-200** C-jun NH2-Terminal Kinase and p38 Inhibition Suppresses Prostaglandin E2-Stimulated Aromatase and Estrogen Receptor Levels in Human Endometriosis.
Qing Xue, MD, PhD
- F-201** In Vitro Evaluation of Therapeutic Effects of Red Ginseng and Identification of Associated miRNAs in Endometriosis.
Si Hyun Cho, MD
- F-202** ID4 Allelic Variant Is Associated with Endometriosis and May Affect Cancer Risk.
Terry Morgan, MD, PhD
- F-203** Mimicking Early Stage Endometriosis by Intraperitoneal Inoculation of Uterine Tissue Induces an Acute Sterile Peritonitis with Pelvic Pain in Mice.
Alexis Laux-Biehlmann, PhD
- F-204** Risk Factors for Complications of Abdominal Myomectomy.
Ayoka Adams, MSPH
- F-205** Histone Modifier EZH2 Activates WNT/ β -Catenin Signaling of Human Uterine Fibroids.
Qiwei Yang, PhD
- F-206** The Impact of MicroRNA 21a-5p on Mediators of Extracellular Matrix Formation in Uterine Leiomyoma.
Eden R. Cardozo, MD
- F-207** Uterine Leiomyomas in Hereditary Leiomyomatosis and Renal Cell Cancer (HLRCC) Syndrome Can Be Identified Through IHC: p53 and CD34.
Outi Uimari, MD
- F-208** Clinically Effective Ulipristal Treatment Increases Leiomyoma Intracellular Retinoic Acid in Humans.
Minnie Malik, PhD
- F-209** The Association Between HOXA11 Expression, Hypertension and Prolapse in Uterosacral Ligaments.
Ritsuko Iwanaga, PhD
- F-210** Effect of Vitamin B1 on Sexual Desire (Libido) in Women with Premenstrual Syndrome.
Sareh Abdollahifard, MSc
- F-211** Displayed in T – 198 (Thursday)
Level of the Inducible 70kDa Heat Shock Protein (Hsp70) in Cervicovaginal Epithelial Cells Predicts Permissiveness to High Risk Human Papillomavirus (HPV) Infection.
Mio Sawai, MD
- F-212** Endometrium of Healthy Reproductive Aged Women Harbors a Distinct Microbiome Signature.
Kaitlin Marquis, BS

REPRODUCTIVE BIOLOGY

- F-213** Myeloperoxidase and Activated Macrophages Have Differing Effects on Spindle Morphology.
Sana N. Khan, MD
- F-214** Preovulatory Protein Restriction Reduces Fluxes of Antioxidant Precursors Cysteine and Serine in the Rat Oocyte.
Amy K. Schutt, MD
- F-215** Metformin- or Stress-Induced Loss of Oct4 and Rex1 Potency Factors in 2-Cell Mouse Embryos Is Blocked by an AMPK Inhibitor.
Alan D. Bolnick, MD
- F-216** Blastocyst Formation in Single Cell Mouse Embryos Grown in Single versus Group Culture Utilizing Time Lapse Microscopy.
Neil R. Chappell, MD

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- F-217 HLA-G, CD34, VEGF and Its Receptors VEGF-R1 and VEGF-R2 Overexpression in G-CSF Treated Decurrent Miscarriage at Term Women's Placenta.**
Fabio Scarpellini, MD, PhD
- F-218 Expression and Regulation of Glucocorticoidreceptor Isoforms by TNF- α in First Trimester Decidua Cells.**
Felice Petraglia, MD
- F-219 Bisphenol A Treatment Mimics Hormonal Regulation of miRNAs in Human Endometrial Stromal Cells.**
Beverly Reed, MD
- F-220 TNF α and Milk Fat Globule-EGF Factor 8 Protein (MFG-E8): Biomarkers to Predict Implantation Outcome?**
Liang Yu, PhD
- F-221 Implantation Failure Is Associated with Increased α -Inhibin and Betaglycan Gene Expression in Secretory Phase Human Endometrium.**
Fernando M. Reis, MD, PhD
- F-222 Thrombin Alters Massive Changes in Global Gene Expression Profiles of Human Endometrial Stromal Cells Undergoing Decidualization.**
Samir N. Babayev, MD
- F-223 Analysis of the Effect of Growth Factors on the Early Stages of Follicular Development in Cultured Murine Ovarian Tissue Through the Use of BrdU Immunostaining.**
Tomohiko Murase
- F-224 Prematurely Decreased Ovarian Reserve and Recurrent Pregnancy Loss.**
Amanda Kohlmeier, MD
- F-225 Preovulatory Protein Restriction Causes Ultrastructural Damage to Mitochondria in the Oocyte and Cumulus Cells and Is Not Rescued by Folic Acid.**
Amy K. Schutt, MD
- F-226 Investigation of Piwi-Interacting Small RNAs (piRNA) in Follicular Fluid Extracellular Vesicles (EVs).**
Shlomit Kenigsberg, PhD
- F-227 Involvement of Membrane and Soluble CD83 in Immune Induced Miscarriage.**
Anne Tugler
- F-228 Unbiased High-Dimensional Identification of Lymphocytes in Human Decidua.**
Jessica Vazquez, MSc
- F-229 Interferon Epsilon Localization and Hormonal Regulation in the Female Reproductive Tract.**
Suruchi Thakore, MD
- F-230 Short- and Long-Term Effects of Pregnancy on Memory T cells.**
Tom E.C. Kieffer, BSc
- F-231 EPAB Is Important at the Preantral Stage of Mouse Folliculogenesis for Oocyte-Somatic Communication.**
Katie Lowther, PhD

REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

- F-232 Caution Should Be Exercised in GnRH Antagonist Protocols: Ovarian Hyper-Stimulation Protocol Can Occur at Lower Estradiol Levels.**
Liat Zakar, MD
- F-233 Rebiopsying of Blastocysts in PGS Cycles Prevents Embryo Wastage Due to Inconclusive Results.**
Ozgur Kan, MD
- F-234 Gene Expression Related to Folliculogenesis and Steroidogenesis Increases with Aging.**
Kimberley Thornton, MD
- F-235 High Fat Diet and Obesity Impair Steroidogenic Response to Superovulation.**
Kimberley Thornton, MD
- F-236 Patient Satisfaction and Tolerability with the Evie[reg] Slow-Release Insemination Device: Pilot Study.**
Kathryn S. Merriam, MD

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- F-237 Follicular Phase Length and Recurrent Pregnancy Loss (RPL).**
Dana B. McQueen, MD, MAS
- F-238 Evaluation of E2 and P4 Levels Following Flushed vs. Non-flushed Follicular Aspiration.**
Austin J. Zanelotti, MD
- F-239 Serum FSH Levels During Controlled Ovarian Hyperstimulation (COH) Predict IVF Success.**
Barry Perlman, DO
- F-240 Is Placental Function Affected by Cryopreservation and Warming in Human In Vitro Fertilization Cycles?**
Maya Barsky, MD
- F-241 Autoimmune Regulator Deficiency Impacts Oocyte Quality and Gene Expression, But Not Decidualization.**
M. Petroff, PhD
- F-242 Effect of Cyclophosphamide, Its Metabolites and Mesna on Metaphase II Mouse Oocyte Quality.**
Roohi Jeelani, MD
- F-243 Comparison of Pregnancy Rates Between Lesbian and Heterosexual Females Using Frozen Donor Sperm with Intrauterine Insemination.**
Stephanie Jean-Baptiste, DO
- F-244 Altered Kisspeptin Immunoreactivity in Arcuate Nucleus in Postnatal or Prenatal Androgen-Induced Rat Model of Polycystic Ovary Syndrome.**
Satoko Osuka, MD
- F-245 The Effect of Ceftriaxone on Testicular Connexin 43 Expression.**
Levent Sahin, Asist Professor
- F-246 Random-Start In Vitro Fertilization Protocols Have Equivalent Outcomes to Cycle-Specific Protocols, But May Not Shorten Time to Cancer Treatment.**
Molly B. Moravek, MD, MPH

GYNECOLOGIC ONCOLOGY

- F-247 A Highly Specific Molecular Bioimaging Approach for Diagnosis of Human Uterine Leiomyosarcoma.**
Mostafa K. Khater, PharmD MSc
- F-248 Chemotherapy Induces a Genotype Switch in Key Antioxidant Enzymes: A Potential Mechanism of Chemoresistance in Epithelial Ovarian Cancer Cells.**
Nicole M. Fletcher, PhD
- F-249 MicroRNA let-7c Contributes to Acquired Resistance to Paclitaxel in Endometrial Serous Carcinoma.**
Izumi Sato
- F-250 Transferrin in Follicular Fluid Can Facilitate DNA Double-Strand Breaks to Fallopian Tube Epithelium: Possible Involvement of Transferrin in the Carcinogenesis of High-Grade Serous Ovarian Cancer.**
Shogo Shigeta, MD
- F-251 The Role of Oncofertility Clinics in Facilitating Access to Reproductive Specialists.**
Eduardo Hariton, MD, MBA

STEM CELLS

- F-252 Valproic Acid and Human Amniotic Fluid Derived Cells: A Model for Mechanistic Studies.**
Margaret Dziadosz, MD
- F-253 Egg from Ovarian-Derived Stem Cells Develops into Embryo After Intracytoplasmic Sperm Injection.**
Solji Park, DVM, PhD
- F-254 Co-Culture of Endometrium-Derived Stem Cells with Murine Neonatal Cardiomyocytes to Support Differentiation into Cardiomyocyte-Like Cells In Vitro.**
Demetra H. Hufnagel, BS

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- F-255** Role of Stro1⁺/CD44⁺ Myometrial Stem Cells in Pregnancy-Induced Uterine Remodeling.
Aymara Mas, PhD
- F-256** Modeling Trophoblast Differentiation Defects Using Human Pluripotent Stem Cells.
Mariko Horii, MD
- F-257** Umbilical Cord Blood Mesenchymal Stem Cells Therapy Restores Ovarian Functions in a Preclinical Model of Chemotherapy Induced Premature Ovarian Failure.
Sara A. Mohamed, MD

EPIDEMIOLOGY, POPULATION HEALTH, AND GLOBAL HEALTH

- F-258** Fertile Lifespan Characteristics and All-Cause and Cause-Specific Mortality: A Study of Postmenopausal Women from the Rotterdam Study.
Loes Jaspers, MD
- F-259** Maternal Morbidity Associated with Postpartum Hemorrhage After Vaginal Delivery at Low, Moderate, and High Volume Hospitals.
Alexander M. Friedman, MD
- F-260** Sustainable Cervical Cancer Prevention Clinics Using the World Health Organization "See and Treat" Method: A Five Country Experience.
Caroline C. Nitschmann, MD
- F-261** Twin Pregnancy in the Setting of Advanced Maternal Age: Risk of Prematurity, Neonatal Morbidity, and Stillbirth.
Alexander M. Friedman, MD
- F-262** Trends in the Route of Delivery of Twin Pregnancies in the United States, 2006 - 2013.
Zhoobin Bateni, MD
- F-263** Elevated Red Cell Distribution Width Is Associated with Adverse Obstetric Outcomes.
Lauren Theilen, MD
- F-264** Mode of Delivery for Gastroschisis.
Alexander M. Friedman, MD
- F-265** Characteristics of Mothers without a Postpartum Checkup Among PRAMS Participants, 2009-2011.
Valery A. Danilack, MPH, PhD
- F-266** Advanced Maternal Age with Twin Pregnancy: Mode of Delivery and Risk for Gestational Diabetes and Gestational Hypertension/Preeclampsia.
Alexander M. Friedman, MD
- F-267** Association Between Adverse Childhood Experiences (ACEs) and Preterm Birth: A Case-Control Study in Chongqing, China.
Barbara S.E. Verstraeten, MD
- F-268** Factors Associated with Gastroschisis in the United States, 2005-2013.
Alexander M. Friedman, MD
- F-269** Stillbirth and Neonatal Adverse Outcomes in Pregnancies Complicated by Chronic Hypertension.
Alexander M. Friedman, MD
- F-270** Obstetric Mode of Delivery and Attention-Deficit/Hyperactivity Disorder: A Sibling Control Study.
Eileen A. Curran, MPH
- F-271** United States Birth Weight References for Twin and Triplet Pregnancies and Timing of Delivery.
Stephen J. Bacak, DO, MPH
- F-272** Intergenerational Risk of Breech Presentation.
Marlayna Townsend, BS

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CLINICAL PERINATOLOGY

- S-001 Abstract Withdrawn
- S-002 **Simultaneous Recording and Analysis of Uterine and Abdominal Muscle Electromyographic Activity (EMG) in Nulliparous Women During Labor.**
Xueya Qian, MD
- S-003 **The Effect of Infertility Treatment on Term Maternal/Neonatal Outcomes and Optimal Timing for Delivery in Conception-Assisted Singleton "Premium Pregnancies".**
Gustavo Vilchez, MD
- S-004 **Effect of Conception Type on Pregnancy Outcomes in Twin Gestations.**
Laura Meints, MD, MBA
- S-005 **Factors Associated with Longer Duration of Pregnancy After Open Fetal Myelomeningocele Repair.**
Christina E. Rodriguez, MD
- S-006 **Impact of Increased Parity in the Success of Vaginal Birth After Cesarean Section (VBAC).**
Katherine Apostolakis-Kyrus, MD
- S-007 Abstract Withdrawn
- S-008 **Long-Term Oral Indomethacin (LIT) Stabilizes Cervical Length, No Matter How Short, in Prolongation of Pregnancies at Risk for Preterm Delivery.**
Ozhan M. Turan, MD
- S-009 **The Association Between Cervical Exam After Ripening with Foley Balloon Catheter and Mode of Delivery.**
Ashley N. Battarbee, MD
- S-010 Abstract Withdrawn
- S-011 **Antenatal Magnesiumsulphate for Neuroprotection Reduces Punctate White Matter Laesions at 30 Weeks MRI in the Human Neonate.**
Jan B. Derks, MD, PhD
- S-012 **Suboptimal Antenatal Corticosteroid (ACS) Administration Among Women with Spontaneous Preterm Birth (PTB).**
T. Manuck, MD
- S-013 Abstract Withdrawn
- S-014 Abstract Withdrawn
- S-015 **Respiratory Morbidity in Pregnancies at Risk for Late Preterm Delivery in Relation to Cord Blood Concentrations of Betamethasone and Cortisol.**
Cynthia Gyamfi-Bannerman, MD, MS
- S-016 **Antenatal Glucocorticoid Administration Alters Cardiac Function in Baboon Offspring.**
Junfei Li
- S-017 **Use of Risk Stratification and Fetal Heart Rate (FHR) Interpretation Algorithms for Earlier Intervention (EI) in Cases of Fetal Acidemia.**
Stephanie Lin, MD
- S-018 **Gene Set Enrichment Investigation into Variation in Clinical Response to Indomethacin (indo) Tocolysis for Threatened Spontaneous Preterm Birth (SPTB).**
T. Manuck, MD
- S-019 **First-Trimester Serum Concentrations of Secreted Frizzled-Related Protein 4 Are Increased in Women Who Develop Gestational Diabetes.**
Joost H.N. Schuitemaker
- S-020 **Increased Betatrophin and WISP1 Levels in Gestational Diabetes.**
Gulcin Sahin Ersoy, MD
- S-021 **A Novel Method for Devising Optimal Gestational Weight Gain in Obese Pregnant Women.**
Paul T. Seed, MSc
- S-022 **Centering Pregnancy® Prenatal Care: A Tool to Decrease the Risk of Excess Gestational Weight Gain?**
Betsy E. O'Donnell, MD

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- S-023 **Gestational Weight Gain, BMI and Pregnancy Outcomes in Obese Pregnant Women in the UPBEAT Behavioural Intervention RCT.**
Annette Briley, PhD
- S-024 **Effect of Maternal Body Mass Index on Ultrasound-Derived Prediction of Birth Weight: A Retrospective Cohort Study.**
Maritza G. Gonzalez, MD
- S-025 **The Relationship Between Vitamin D Status and Pregnancy Outcomes.**
Veronica T. Boyle, MB ChB
- S-026 **Maternal Obesity (MO) Increases Acetyl-CoA Carboxylase Alpha (ACC α) mRNA and Protein Expression and Alters ACACA Gene Methylation in Day 135 Sheep Fetal Liver.**
Stephanie M. Guida, PhD
- S-027 **Polymorphism in the KCNQ1 Gene May Influence Insulin Secretion in Japanese Pregnant Women.**
Yoshifumi Kasuga, MD
- S-028 **Prediction of Gestational Diabetes (GDM) in Obese Women.**
Sara L. White, MSc
- S-029 **Effects of Hypertensive Disorders of Pregnancy on Outcomes of Labor Induction with Dinoprostone Vaginal Insert.**
Lili Sheibani, MD
- S-030 **Is Duration of Balloon Tamponade Associated with Postpartum Hemorrhage Outcomes?**
Brett D. Einerson, MD, MPH
- S-031 **Second Stage Length and Third and Fourth Degree Lacerations Among Nulliparous Women.**
Mariam Naqvi, MD
- S-032 **Significantly Improved Outcomes in ART Conceived Pregnancies Treated with Anticoagulants Compared to Low-Risk Untreated Patients: A Case Control Study.**
Brandon Z. Bell, DO
- S-033 **Is Cervical Length Screening Beyond 24 Weeks Gestation Cost-Effective in Women with a Prior Preterm Birth?**
Rita Sharshiner, MD
- S-034 **Ultrasonography v. Magnetic Resonance Imaging for the Diagnosis of Morbidly Adherent Placenta: A Systematic Review and Meta-Analysis.**
Bradley D. Holbrook, MD
- S-035 **Pregnancy Following Letrozole Treatment in Infertile Women with PCOS or Unexplained Infertility Has Low Risk of Congenital Anomalies and Serious Adverse Events.**
Esther Eisenberg, MD, MPH
- S-036 **Severe Maternal Morbidity and Associated Risk Factors During Delivery Hospitalization in Large Teaching Hospitals in the United States, Australia and England, 2007-2013.**
Heather S Lipkind, MD, MS
- S-037 **Effects of Body Mass Index on the *In Vitro* Fertilization Outcomes in Patients with Polycystic Ovarian Syndrome: A Meta-Analysis.**
Jie Wu, MD, PhD
- S-038 **Neonatal Outcomes Among Pregnancies Complicated by Intrahepatic Cholestasis (ICP) According to Bile Acid Level.**
Christina A. Herrera, MD
- S-039 **Marijuana Use in Pregnant Teens Before and After Legalization.**
Christina E. Rodriguez, MD
- S-040 **Adverse Pregnancy Outcomes Among Women with Subclinical Hypothyroidism (SCH) or Thyroid Autoimmunity.**
Torie C. Plowden, MD, MPH
- S-041 **It's All About the Head (Circumference): Head Circumference vs. Birth Weight as a Risk Factor for Vacuum Extraction Failure.**
Doron Kabiri, MD
- S-042 **Penetrating Trauma in Pregnancy.**
Meike Schuster, DO

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- S-043 **Understanding the Cervicovaginal Microbiota in Human Pregnancy.**
Michal A. Elovitz, MD
- S-044 **Impact of Different Antiretroviral HIV Regimens on Obstetric and Perinatal Outcomes.**
Danielle Tate, MD

MATERNAL BIOLOGY AND HEALTH

- S-045 **Hyperemesis Cannabinoid Syndrome Diagnosed in Pregnancy.**
Madeline Manning Meurer, DO, MBA
- S-046 **1,25(OH)₂D₃ Reduces Hypoxia-Induced Endothelial Microparticle Release Through Activation of PI3K/Akt Pathway.**
Xiuyue Jia, MD
- S-047 **Reduced Expression of Angiotensin II Type 2 Receptor Is Associated with Impaired Pancreatic Expansion in Pregnant Rats Fed a Low Protein Diet.**
Haijun Gao, PhD
- S-048 **Prepregnancy Adiposity Is Associated with the Development of Preeclampsia.**
Stephanie E. Mann, MD
- S-049 **Metabolic Adaptations in Pregnancy Are Associated with Differential Metabolic Tissue Profiles.**
Georgia Papacleovoulou
- S-050 **Creatine Status in Women Is Profoundly Changed by Pregnancy: A Retrospective Cohort Study.**
Hayley Dickinson, PhD
- S-051 **Platelet Concentration in the Placental Maternal Intervillous Space.**
David Deschamps, MD
- S-052 **The Effect of Caffeic and Chlorogenic Acid on Myometrial Artery Function.**
Mark Wareing, PhD
- S-053 **A Pilot Study Exploring the Impact of Maternal Body Mass Index on the Exosomal Profile Across Gestation.**
Carlos Salomon, MSc, PhD
- S-054 **Testosterone Impairs Placental Vascularization and Oxygenation, Reduces Uterine Blood Flow, and Triggers Sex-Specific Placental Gene Expression in Pregnant Rats.**
Kathirvel Gopalakrishnan, PhD
- S-055 **Remodeling of the Maternal Aorta in Pregnancy Involves Down-Regulation of Tet Genes and Epigenetic Modification of Vascular Smooth Muscle.**
Stephen Brown, MD
- S-056 **Pregnancy Disorders and Stroke: A Retrospective Cohort Study Among Women in the Dutch Acute Stroke Study.**
Gerbrand A. Zoet, MD
- S-057 **Low Placental Growth Factor During Pregnancy and Maternal Cardiovascular Health 6 Years Later: The Generation R Study.**
Zoe A. Broere – Brown, MD
- S-058 **Impairment of Murine Pancreatic Vasculature Associated with Gestational Diabetes During Pregnancy and Later in Life.**
Kathleen A. Pennington, PhD
- S-059 **Levels of Soluble Immune Mediators Do Not Vary According to Ethnicity in Mothers of Infants Affected by Anti-Ro Mediated Congenital Heart Block.**
Shilpi Mehta-Lee, MD

BASIC PARTURITION

- S-060 **Does Procalcitonin in Amniotic Fluid Predict Preterm Delivery?**
Robyn T. Bilinski, MD
- S-061 **Identifying Network and Expression Signatures of Term and Preterm Labor in Preterm and Term Laboring Myometrium (RNA seq).**
Douglas Brubaker, BS

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- S-062 Cell Populations within the Stroma Are Temporally and Spatially Regulated in the Nonpregnant and Pregnant Cervix.**
Stefanie N. Bryant, MD
- S-063 Aggregate Transcriptional Analysis of Preterm Infants Identifies Novel Biomarkers and Perturbed Networks.**
Alison G. Paquette, PhD
- S-064 The Mouse Myometrial Metabolome in Pregnancy Suggests a Parturition Role for Sulfur Metabolism.**
K. Joseph Hurt, MD, PhD
- S-065 Metabolomics in Placenta of a Mouse Model of Preterm Birth.**
Summer Elshenawy, MD
- S-066 Exploring Differences in the Tensile Mechanical Properties of the Pregnant and Non-Pregnant Mouse Cervix.**
Carrie E. Barnum, MS
- S-067 Chronotype Changes During Pregnancy.**
Carmel A. Martin-Fairey, BS, MS, PhD
- S-068 Characterisation of the Vaginal Microbiome in Patients Subsequently Experiencing Preterm Prelabour Rupture of Membranes.**
Richard Brown, MD
- S-069 Genome-Wide Association Study to Identify Maternal and Fetal Genetic Factors Predisposing to Spontaneous Preterm Birth.**
Minna K. Karjalainen, PhD
- S-070 The Association Between Cord Hormones and the Mode of Cesarean Delivery.**
Gulcin Sahin Ersoy, MD
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SRI LIFETIME DISTINGUISHED SERVICE AWARD

The SRI Lifetime Achievement Award is new for 2016. It is intended to recognize an individual who has made outstanding contributions to the Society for Reproductive Investigation and significant contributions to the field of reproductive medicine and women's health.

SRI DISTINGUISHED SCIENTIST AWARD

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.

LAXMI BAXI AWARD

Awarded to PhD individuals who are either graduate students still in-training or postdoctoral fellows within five years of their PhD degree to encourage young PhD trainees to present their research at the SRI Annual Scientific 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 Scientific Meeting.

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.

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.

ROGERIO 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*.

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.

SRI PRESIDENT'S PRESENTER'S AWARDS

The President's Presenter's Awards recognize the four highest ranked abstracts chosen for presentation at the President's New Investigator Plenary Session.

PFIZER-SRI PRESIDENT'S PRESENTER'S AWARD

Originally established to recognize the 25 most meritorious abstracts (either poster or oral presentation) submitted by investigators 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 the pre- and post-doctoral training are eligible to receive the award, which is generously funded by Pfizer. The 25 awardees will receive a certificate and a check, and their training directors will be honored at a luncheon.

GIORGIO PARDI JUNIOR SCIENTIST AWARD

The Giorgio Pardi Junior Scientist Award recognizes the highest ranked abstract within the field of fetal medicine and placental function by an investigator in-training. This abstract will be presented following the President's Address 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.

GIORGIO PARDI FOUNDATION TRAVEL AWARDS

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

SRI POSTER AWARDS

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

Society for Reproductive Investigation

Prioritizing Reproductive Research in Times of Limited Resources

SRI Congratulates its 2016 Award Winners!

SRI Lifetime Distinguished Service Award

Alan DeCherney

SRI Distinguished Scientist Award

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SRI President's Presenter's Awards

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Pfizer – SRI President's Presenter's Awards

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SRI Grant Program

SRI is pleased to announce the establishment of the SRI Grant Program, which provides two \$50,000 awards to current SRI members each year. The objective of the grants is to support the research of promising scientists who are beginning their independent research careers. The scope of the science can be basic, translational or clinical. It must be related to women's health.

Dr. Hugh Taylor, SRI President, the SRI Council and Grants Committee thank the following SRI members and distinguished guest scientists who served as expert reviewers for the 2016 applications.

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About SRI

Sixty-Three 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 almost 1,000 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.

VISION

The vision of SRI is to be the premier international organization that leads outstanding multidisciplinary basic, translational, and clinical research and promotes mentorship and training in reproductive science and women’s health.

MEMBERSHIP

Regular Membership may be conferred on those individuals who provide evidence of a doctorate degree (MD, PhD, DPharm) 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 and 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 (BA, BS, MD, PhD, MS, MPH, DVM). 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 but may not sponsor abstracts or vote. This status expires when the member completes training at which time application for regular membership is expected.

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