American Society for Reproductive Immunology

“Innovations in Reproductive Immunobiology”

ASRI 35th Annual Meeting
June 2 – 5, 2015
Queen’s University, Kingston, Ontario, Canada

Congress Chairs:
Chandrakant Tayade

Program Committee
Anne Croy
Kenneth Beaman
Silvia Daher
Atsushi Fukui

Charles Graham
Ted Golos
Nazeeh Hanna
Peter Hansen

Charu Kaushic
Madhuri Koti
Joanne Kwak-Kim
Udo Markert

Gil Mor
Evangelos
Ntrivalas
Joy Pate

Surendra Sharma
Charles Wira
Tatsuo Yamamoto

www.theasri.org
Meeting Venue
The 35th Meeting of the American Society for Reproductive Immunology is being held in picturesque Kingston, Ontario, Canada. June 02 – June 05, 2015. The meeting venue is provided by the Marriott Residence Inn Kingston, which is situated on beautiful Lake Ontario. Kingston ranks historically as one of the best places to live in Canada, and is located where the St. Lawrence River meeting Lake Ontario and the Rideau Canal.

Meeting Motto
“Innovations in Reproductive Immunobiology”
Dear Colleagues and Friends,

On behalf of the American Society for Reproductive Immunology, we are pleased to welcome you to our 35th Annual Meeting. This meeting is dedicated to innovation in both basic science and clinical practice, which will lead to rapid translation of research findings from bench to bedside. The motto of our meeting is: “Innovations in Reproductive Immunobiology,” emphasizing our goals to nurture creativity and promote investigations that can transform the reproductive health care. We have set as our mission is to promote and advance cutting-edge translational research, innovations in basic and clinical science and education in all aspects of reproductive immunology.

Our program reflects the vibrant membership of our society, which includes laboratory and clinical scientists as well as trainees at all levels, e.g. doctoral students, postdoctoral PhD fellows, clinician residents and MD fellows. The multicolored palette of research topics, animal and human models and clinical subspecialties encompasses basic immunology and microbiology, gamete biology, in-vitro fertilization, maternal-fetal medicine, newborn medicine, oncology, allergy and infectious disease, nutrition, and veterinary medicine.

The invited speakers at the nine state-of-the-art plenary sessions are world leaders and renowned experts in each specific topic and area at the cross-section of reproduction and immunology. Our opening plenary lectures are delivered by Dr. Ian Frazer, an inventor of vaccine against cervical cancer and Director of Translational Research Institute (Australia), and Dr. Peter Carmeliet, world renowned scientist in the field of vascular biology and Director of Vesalius Research Centre (Belgium).

The 35th ASRI Congress provides our new young generation of scientists with a unique opportunity for carrier advancement as it blends learning with networking and excellent opportunities to compete for several prestigious nominations and awards. We would like to thank our numerous sponsors and benefactors listed at the end of this program for generously supporting our mission.

On behalf of American Society for Reproductive Immunology, I welcome you to the historic and beautiful city of Kingston, famous for its vibrant culture and fabulous waterfront! I wish you a productive and successful meeting.

Chandrakant Tayade,  
DVM, Ph.D.
Dear Colleagues,

It is my great pleasure to invite all of you to the ASRI 35th Annual Meeting in Kingston, Ontario, Canada on June 2–June 5, 2015. Dr. Tayade and colleagues have set up an excellent program in a charming location. There will be a number of excellent presentations on important topics including new cutting edge research data. I am looking forward to see everyone there.

I hope most of you will be able to attend the meeting and help our society to gain and maintain our importance to human, animal and experimental reproductive success. I never cease to be impressed by the increase in the knowledge that the study of Reproductive Immunology can bring to our understanding of immunology, reproduction as well as cancer, infections or transplantation. I am so pleased to be the president of such a society. **As a special note:** We have a number of new important things to examine and vote on at our annual meeting. We will have our business meeting this year at noon on the second day of the conference. Please plan to attend and be involved with our society’s continued success.

This year we are sponsoring a session at the American Association of Immunologists annual meeting. Our members, Gil Mor, Mukesh Jaiswal and Vikki Abrahams will present a session there on Innate Immunity in Reproduction. To date I have read a large number of outstanding articles in PNAS, BOR, Plos One and J. Immunology published by our members, congratulations. This reminds me to encourage you to support our excellent journal. The American Society journal, the AJRI is led by our fine Editor in Chief, Gil Mor and continues to be a source of truly exciting and very important information covering every aspect of reproductive immunology field. Please remember that when you publish in ASRI, you are not simply provide information to your colleagues, but you help our society to be the premier society in our field, you represent the society to the other scientists colleagues as the most interested and presumably, informed audience in reproductive immunology.

Finally I wish to sincerely thank all of you who are committed and support our science. Again, I hope to see you in Kingston, Ontario this June and, looking further, in Baltimore, MD in 2016 (hosted by John Hopkins) and Chicago, IL in 2017 (hosted by Rush Medical School). Please help me keep our society great.

As always,

Kenneth D. Beaman, Ph.D., D(ABMLI), CC(ABB)
President, American Society for Reproductive Immunology
Professor, Microbiology and Immunology
Director, Clinical Immunology Laboratory
The Chicago Medical School
Rosalind Franklin University
Meeting Objectives

The American Society for Reproductive Immunology was founded to foster the development of reproductive immunology research, increase intellectual exchange between clinical and basic branches of reproductive immunology, and provide mentoring for new scientists interested in reproductive immunology. The 35th meeting of the society is dedicated to innovation in both basic science and clinical practice, which will lead to rapid translation of research findings from bench to bedside. Objectives for this meeting include:

- Understand impact of vaccines on reproductive health
- Investigate innate and adaptive immune mechanisms during successful and complicated pregnancies
- Understand mechanisms involved in successful implantation
- Understand the consequences of HIV infections during pregnancy and potential therapeutic implications
- Understand how impaired vascular remodeling is associated with pregnancy complications such as pre-eclampsia and Intrauterine Growth restriction.
- Investigate immune networks in ovarian cancer and explore virus based therapies for cancer treatment
- Understand the influence of probiotics on molecular and cellular changes that impact female reproductive health
- Address the challenges of predicting preeclampsia as well as the signaling pathway and immune mechanisms involved in such disorder.
- Understand the host-pathogen interaction during pregnancy and role of placenta as a barrier to infection
- Understand and explore the impact of hormonal regulation, vasculature remodeling in the context of successful or complicated pregnancies utilizing large animal models
- Explore the new and emerging themes in the field reproductive immunology
## Agenda at-a-Glance

### Tuesday, June 2nd

**Breakfast** 7:00 am – 8:15 am  
_Day 1 Marriott dining commons_

**Registration** 7:00 am – 10:00 am  
_Foyer_

**Exhibit** 8:00 am – 4:00 pm  
_Foyer_

**Welcome & Announcements** 8:00 am – 8:15 am  
_St Lawrence Ballroom_

**Keynote Address** 8:15 am – 9:15 am  
_St Lawrence Ballroom_

**General Session S.01** 9:15 am – 10:45 am  
_St Lawrence Ballroom_

**Coffee Break** 10:45 am – 11:00 am  
_Foyer_

**General Session S.02** 11:00 am – 12:30 pm  
_St Lawrence Ballroom_

**Lunch Buffet** 12:30 pm – 1:30 pm  
_Day 1 Marriott dining commons_

**ASRI Council Meeting** 12:30 pm – 2:00 pm  
_Portsmouth room_

**General Session S.03** 1:30 pm – 3:30 pm  
_St Lawrence Ballroom_

**Coffee Break** 3:30 pm – 3:45 pm  
_Foyer_

**AJRI Award Lecture** 3:45 pm – 4:15 pm  
_St Lawrence Ballroom_

**General Session S.04** 4:15 pm – 5:45 pm  
_St Lawrence Ballroom_

**ASRI Editorial Board Meeting** 6:30 pm – 8:30 pm  
_Portsmouth room_

### Wednesday, June 3rd

**Breakfast** 7:00 am – 8:00 am  
_Day 1 Marriott dining commons_

**Registration** 7:00 am – 10:00 am  
_Foyer_

**Exhibit** 8:00 am – 4:00 pm  
_Foyer_

**General Session S.05** 8:00 am – 9:30 am  
_St Lawrence Ballroom_

**General Session S.06** 9:30 am – 11:30 am  
_St Lawrence Ballroom_

**Coffee Break** 10:00 am – 11:15 am  
_Foyer_

**John P. Gusdon Award Competition** 11:15 am – 12:45 pm  
_St Lawrence Ballroom_

**Lunch Buffet** 12:45 pm – 1:45 pm  
_Day 1 Marriott dining commons_

**ASRI General Meeting** 12:45 pm – 1:45 pm  
_Portsmouth room_

**Poster Session** 1:45 pm – 3:30 pm  
_St Lawrence Ballroom B_

**J. Christian Herr Lecture** 3:30 pm – 4:00 pm  
_St Lawrence Ballroom_

**Presidential Session** 4:00 pm – 5:30 pm  
_St Lawrence Ballroom_

**ASRI Gala & Awards Banquet** 6:30 pm – 10:00 pm  
_Island Star_

### Thursday, June 4th

**Breakfast** 7:00 am – 8:00 am  
_Day 1 Marriott dining commons_

**Registration** 7:00 am – 10:00 am  
_Foyer_

**Exhibit** 8:00 am – 4:00 pm  
_Foyer_

**General Session S.07** 8:00 am – 9:30 am  
_St Lawrence Ballroom_

**General Session S.08** 9:30 am – 11:30 am  
_St Lawrence Ballroom_

**Coffee Break** 10:00 am – 11:15 am  
_Foyer_

**ASRI General Meeting** 12:45 pm – 1:45 pm  
_Portsmouth room_

**Poster Session** 1:45 pm – 3:30 pm  
_St Lawrence Ballroom B_

**J. Christian Herr Lecture** 3:30 pm – 4:00 pm  
_St Lawrence Ballroom_

**Presidential Session** 4:00 pm – 5:30 pm  
_St Lawrence Ballroom_

**ASRI Gala & Awards Banquet** 6:30 pm – 10:00 pm  
_Island Star_

### Friday, June 5th

**Breakfast** 7:00 am – 8:30 am  
_Day 1 Marriott dining commons_

**Registration** 7:30 am – 9:00 am  
_Foyer_

**General Session S.07** 8:30 am – 10:00 am  
_St Lawrence Ballroom_

**Coffee Break** 10:00 am – 10:30 am  
_Foyer_

**General Session S.08** 10:30 am – 12:00 pm  
_Foyer_

**Lunch Buffet/Poster Session Cont.** 12:00 pm – 1:30 pm  
_Day 1 Marriott dining commons/ St Lawrence Ballroom B_

**General Session S.09** 1:30 pm – 3:00 pm  
_St Lawrence Ballroom_
Tuesday, June 2, 2015

5:00 pm - 8:00 pm  Welcome Reception and Registration - Foyer
7:00 pm - 8:00 pm  Opening Keynote Session - St Lawrence Ballroom

OS.01 Vaccines and reproduction: Where are we heading?
Dr. Ian Frazer
Translational Research Institute, Queensland, Australia

Wednesday, June 3, 2015

7:00 am - 8:15 am  Breakfast - Marriott Dining Commons
7:00 am - 10:00 am  Registration - Foyer
8:00 am - 8:15 am  Welcome & Announcements Dr. Chandra Tayade - St Lawrence Ballroom
8:15 am - 9:15 am  Keynote Address - St Lawrence Ballroom

OS.02 Angiogenesis revisited: endothelial cell metabolism as a target?
Dr. Peter Carmeliet
Vesalius Research Centre, Leuven, Belgium

9:15 am - 10:45 am  Session 1 - Uterine NK cells – St Lawrence Ballroom
(Sponsored by the Group for Research in Reproductive and Developmental Origins of Health, Disability and Disease)
Chairs:
S.01-1 Decidual NK cells: key regulators in early pregnancy
  Dr. Judith Cartwright, University of London, United Kingdom
S.01-2 Natural Killer and other innate lymphoid cells in the uterus.
  Dr. Francesco Colucci, University of Cambridge, United Kingdom
S.01-3 HLA-G mediated NK cell senescence promotes vascular remodeling: implications for reproduction
  Dr. Sumati Rajagopalan, National Institute of Allergy and Infectious Diseases, USA

10:45 am - 11:00 am  Coffee Break – Foyer
11:00 am - 12:30 pm  Session 2 - Adaptive Immunity – St Lawrence Ballroom
Chairs:
S.02-1 Epigenetics of decidual inflammation
  Dr. Adrian Erlebacher, New York University, USA
Wednesday, June 3, 2015

S.02-2 From pregnancy and the immune boundaries between individuals to insights into the lineage commitment of regulatory T cells

Dr. Alexander Betz, MRC laboratory Cambridge, United Kingdom

S.02-3 The chemokine network at the maternal-fetal interface in the early pregnancy

Dr. Meirong Du, Fudan University, China

12:30 pm - 1:30 pm  Lunch – Marriott Dining Commons

12:30 pm - 2:00 pm  ASRI Council Meeting – Portsmouth room

1:30 pm - 3:30 pm  Session 3 - HIV in Pregnancy (Sponsored by OHTN) – St Lawrence Ballroom

Chairs:

S.03-1 Parallel studies of mucosal immunity in the reproductive and gastrointestinal mucosae of HIV-infected women

Dr. Barbara Shacklett, UC Davis, USA

S.03-2 Fewer activated CD4+ HIV Target cells in the female genital tract following oral administration of anti-inflammatory drugs.

Dr. Keith Fowke, University of Manitoba, Canada

S.03-3 Understanding local factors in the female genital mucosa and their influence on HIV-1 infection

Dr. Charu Kaushic, McMaster University, Canada

S.03-4 HIV and antiretrovirals: understanding the mechanisms that contribute to adverse birth outcomes in HIV-positive women.

Dr. Lena Serghides, University of Toronto, Canada

3:30 pm - 3:45 pm  Coffee Break - Foyer

3:45 pm - 4:15 pm  AJRI Award Lecture – St Lawrence Ballroom

Causes and consequences of intrauterine growth restriction

Dr. Petra Arck, University of Hamburg, Germany

4:15 pm - 5:45 pm  Session 4 - Immune Mechanisms at the Maternal-Conceptus Interface – St Lawrence Ballroom

Chairs:

S.04-1 The Many Faces of Interferon Tau at the Maternal-Conceptus Interface

Dr. Fuller Bazer, Texas A&M University, USA

S.04-2 Microchimerism & Pregnancy

Dr. Lee Nelson, University of Washington, USA

S.04-3 Placenta and obesity: Differences in reproductive immunology and uteroplacental pathology

Dr. Terry Morgan, Oregon Health and Science University, USA

6:30 pm – 8:30 pm  AJRI Editorial Board Meeting – Portsmouth room
Thursday, June 4, 2015

7:00 am - 8:00 am  Breakfast – Marriott Dining Commons
7:00 am - 10:00 am  Registration - Foyer
8:00 am - 9:30 am  Session 5 – Mucosal Immunity – St Lawrence Ballroom  
**Chairs:**
S.05-1 Using the CRISPR/Cas9 system to edit specific genes in pig zygotes.  
  Dr. Kristin Whitworth, University of Missouri-Columbia, USA
S.05-2 Pregnancy specific glycoprotein 1 (PSG1) is pro-angiogenic and  
  plays a role in immunomodulation during human pregnancy  
  Dr. Gabriela Dveksler, Uniformed Services University of Health Sciences,  
  USA
S.05-3 Innate immune cells  
  Dr. Marco Colonna, Washington University School of Medicine, USA

9.30 am - 11:00 am  Session 6 - Tumor Immunology – St Lawrence Ballroom  
**Chairs:**
S.06-1 Protective immune networks in ovarian cancer  
  Dr. Brad Nelson, BC Cancer Agency, Canada
S.06-2 The role of ovarian cancer stem cells as immune modulators  
  Dr. Gil Mor, Yale School of Medicine, USA
S.06-3 Virus Based Therapies for Cancer Treatment  
  Dr. John Bell, University of Ottawa, Canada
S.06-4 Selected oral presentation from Abstracts

11:00 am - 11:15 am  Coffee Break – Foyer
11:15 am - 12:45 pm  John P. Gusdon Award Competition – St Lawrence Ballroom  
  Top 6 ranked abstracts will present 15 minute oral presentations.

12:45 pm - 1:45 pm  Lunch – Marriott Dining Commons
12:45 pm - 1:45 pm  ASRI General Meeting (all members invited) – Portsmouth room
1:45 pm - 3:30 pm  Poster Session – St Lawrence Ballroom B
3:30 pm - 4:00 pm  J. Christian Herr Lecture – St Lawrence Ballroom  
  Complex interactions between the ruminant conceptus and  
  maternal immune system: a journey of discovery and translation to practice  
  Dr. Troy Ott, Penn State University, USA
  Rosalind Franklin University of Medicine and Science, USA

4:00 pm - 5:30 pm  Presidential session – St Lawrence Ballroom  
  OS.03 Periimplantation events are critical determinants of pregnancy success  
  Dr. S. K. Dey, Vanderbilt University Medical Center, USA
  OS.04 Paths to preterm labor and its therapeutic opportunities  
  Dr. Mukesh Jaiswal, Rosalind Franklin University, USA

5:30 pm - 6:30 pm  Move To Dock for Boat Cruise
6:30 pm - 7:30 pm  Cocktail hour – Island Star
7:30 pm - 10:00 pm  Gala and Awards Banquet – Island Star
Friday, June 5, 2015

7:00 am - 8:30 am  Breakfast – Marriott Dining Commons

8:30 am - 10:15 am  Session 7 - Immunology of Pre-eclampsia and Recurrent Spontaneous Abortion – St Lawrence Ballroom

Chairs:

S.07-1 Inflammatory immune responses and polycystic ovarian disease

  Dr. Joanne Kwak-kim, Rosalind Franklin University, USA

S.07-2 Expression of angiotensin II receptors in the patients with endometriosis

  Dr. Chishima Fumihisa, Nihon University, Japan

S.07-3 NK cells and reproductive failures such as infertility, implantation failures and recurrent pregnancy loss

  Dr. Atsushi Fukui, Hirosaki University Graduate School of Medicine, Japan

S.07-4 Selected oral presentation from Abstracts

10:15 am - 10:30 am  Coffee Break – Foyer

10:30 am - 12:15 pm  Session 8 - Immune-Infection axis during Pregnancy – St Lawrence Ballroom

Chairs:

S.08-1 Host-pathogen interactions at the maternal-fetal interface

  Dr. Anna Bakardjiev, University of California, San Francisco, USA

S.08-2 Critical role of beneficial bacteria in pregnancy

  Dr. Gregor Reid, University of Western Ontario, Canada

S.08-3 The battle of wits: the placental barrier and virulent Salmonella enterica Typhimurim infection

  Dr. Lakshmi Krishnan, National Research Council, Canada

S.08-4 Selected oral presentation from Abstracts

12:15 pm - 1:30 pm  Lunch/poster session continued – Marriott Dining Commons / St Lawrence Ballroom B

1:30 pm - 3:00 pm  Session 9 - Emerging themes/technologies in reproductive Immunology – St Lawrence Ballroom

Chairs:

S.09-1 Imaging cytokine signaling in the human placenta by whole mount immunofluorescence

  Dr. Shawn Murphy, University of Rochester, USA

S.09-2 A Closer Look: New concepts in Routine Laboratory Analysis for Pregnancy Disorders

  Dr. Ken Beaman, Rosalind Franklin University, USA

S.09-3 Syncytiotrophoblast vesicles in normal pregnancy and preeclampsia

  Dr. Dionne Tannetta University of Oxford, United Kingdom

S.09-4 Selected oral presentation from Abstracts

3:00 pm  Conclusion of the 35th American Society Reproductive Immunology meeting

Thank you for your attendance
The following ASRI Awards will be presented on Thursday at the Awards Celebration:

**The AJRI Award** will be presented to a senior investigator who has made outstanding clinical or basic research contributions in the area of reproductive immunology.

**The J. Christian Herr Award** will be presented to a member of the ASRI, in the first 10–15 years beyond accepting a faculty position, who has made outstanding achievements in basic or applied research in reproductive immunology, particularly involved in technology transfer. This award was established by a past president of ASRI to acknowledge the dedication of his father to invention, innovation and entrepreneurship.

**The Dr. John Gusdon Memorial New Investigator Award** will be presented to a new investigator with trainee status (graduate student, postdoctoral scientist, or resident) who has made a significant contribution by presenting an outstanding research paper during the annual meeting. This award is given annual in memory of Dr. John Gusdon, a founding member of ASRI, and an advocate of student participation in ASRI meetings.

**Distinguished Service Award** is given periodically and not more than annually, to a member of the ASRI who has provided distinguished service to advance the goals and mission of the society.

**Travel Grants** will be awarded to trainees from selected abstracts to support travel to the ASRI 2016 Meeting.
<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
<th>Organizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1980</td>
<td>Mount Sinai Medical Center, NY</td>
<td>N. Gleicher</td>
</tr>
<tr>
<td>1981</td>
<td>Mount Sinai Medical Center, NY</td>
<td>N. Gleicher</td>
</tr>
<tr>
<td>1982</td>
<td>Bowman Gray, Winston-Salem, NC</td>
<td>J. Gudson, Jr.</td>
</tr>
<tr>
<td>1983</td>
<td>University of Utah, Salt Lake City, UT</td>
<td>J.R. Scott</td>
</tr>
<tr>
<td>1984</td>
<td>Duke University, Durham, NC</td>
<td>S. Gall</td>
</tr>
<tr>
<td>1985</td>
<td>University of Michigan, Ann Arbor, MI</td>
<td>A.E. Beer</td>
</tr>
<tr>
<td>1986</td>
<td>Toronto, Canada ¹</td>
<td>D. Clark</td>
</tr>
<tr>
<td>1987</td>
<td>Indianapolis, IN</td>
<td>C. Coulam</td>
</tr>
<tr>
<td>1988</td>
<td>University of Maine, Prout's Neck, ME</td>
<td>N.S. Rote</td>
</tr>
<tr>
<td>1989</td>
<td>University of Maine, Prout's Neck, ME</td>
<td>N.S. Rote</td>
</tr>
<tr>
<td>1990</td>
<td>Chicago, IL</td>
<td>N. Gleicher</td>
</tr>
<tr>
<td>1991</td>
<td>University of Virginia, Charlottesville, VA</td>
<td>J. Heff</td>
</tr>
<tr>
<td>1992</td>
<td>University of S. Carolina, Charleston, SC</td>
<td>S. Mathur</td>
</tr>
<tr>
<td>1993</td>
<td>Denver, CO ²</td>
<td>J. Head</td>
</tr>
<tr>
<td>1994</td>
<td>Thomas Jefferson Univ, Philadelphia, PA</td>
<td>B. Smith</td>
</tr>
<tr>
<td>1995</td>
<td>Washington, DC ²</td>
<td>C. Coulam</td>
</tr>
<tr>
<td>1996</td>
<td>University of Tennessee</td>
<td>D. Torry</td>
</tr>
<tr>
<td>1997</td>
<td>University of British Columbia</td>
<td>M. Stephenson</td>
</tr>
<tr>
<td>1998</td>
<td>Finch Univ of Health Science, Chicago, IL</td>
<td>K. Beaman</td>
</tr>
<tr>
<td>1999</td>
<td>Cooperstown, NY</td>
<td>S.P. Mathur</td>
</tr>
<tr>
<td>2000</td>
<td>University of Florida</td>
<td>P.J. Hansen</td>
</tr>
<tr>
<td>2001</td>
<td>Finch Univ of Health Science, Chicago, IL</td>
<td>J.Y.H. Kwak-Kim</td>
</tr>
<tr>
<td>2002</td>
<td>Finch Univ of Health Science, Chicago, IL</td>
<td>J.Y.H. Kwak-Kim</td>
</tr>
<tr>
<td>2003</td>
<td>Yale University, New Haven, CT</td>
<td>G. Mor</td>
</tr>
<tr>
<td>2004</td>
<td>Univ Southern IL, Saint Louis, MO</td>
<td>P. Ahlering</td>
</tr>
<tr>
<td>2005</td>
<td>Brown University, Providence, IL</td>
<td>S. Sharma</td>
</tr>
<tr>
<td>2006</td>
<td>Vanderbilt University, Nashville, TN</td>
<td>G. Yeaman</td>
</tr>
<tr>
<td>2007</td>
<td>McMaster University, Ontario, Canada</td>
<td>C. Kaushic</td>
</tr>
<tr>
<td>2008</td>
<td>Rush University, Chicago, IL</td>
<td>J. Lubosrky</td>
</tr>
<tr>
<td>2009</td>
<td>University of Florida, Gainesville, FL</td>
<td>P. Hansen</td>
</tr>
<tr>
<td>2010</td>
<td>Woodlands Resort, Farmington, PA</td>
<td>T. Ott</td>
</tr>
<tr>
<td>2011</td>
<td>Salt Lake City, UT</td>
<td>C.J. Davies</td>
</tr>
<tr>
<td>2012</td>
<td>Hamburg, Germany ³</td>
<td>P. Arck</td>
</tr>
<tr>
<td>2013</td>
<td>Boston, MA ⁴</td>
<td>C. Wira, S. Sharma, G. Mor</td>
</tr>
<tr>
<td>2014</td>
<td>Long Beach, NY</td>
<td>N. Hanna, R. Fichorova, J. Braverman</td>
</tr>
<tr>
<td>2015</td>
<td>Kingston, Ontario, Canada</td>
<td>C. Tayade</td>
</tr>
<tr>
<td>2016</td>
<td>Baltimore, Maryland, USA</td>
<td>S. Sharma/I. Bird</td>
</tr>
</tbody>
</table>

¹ Held jointly with the International Society for Immunology of Reproduction
² Held jointly with the American Association of Immunologists
³ Held jointly with the European Society for Reproductive Immunology
⁴ Held jointly with the International Society for Immunology of Reproduction
Thank You to Our Sponsors

The American Society for Reproductive Immunology

Jack & Dorothy Byrne Foundation

Ontario HIV Treatment Network

Tourism Kingston

Queen’s University – Department of Obstetrics & Gynaecology

Queen’s University – Department of Biomedical and Molecular Sciences

Queen’s University Group for Research in Reproductive and Developmental Origins of Health, Disability, and Disease
Bio-Rad Laboratories
Bio-Rad Laboratories, Inc. (NYSE: BIO and BIOb) develops, manufactures, and markets a broad range of innovative tools and services to the life science research and clinical diagnostics markets.

Life Science Research
Bio-Rad’s life science products are based on technologies used to separate, purify, identify, analyze, and amplify biological materials such as proteins, nucleic acids, and bacteria. These technologies include electrophoresis, imaging, multiplex immunoassay, chromatography, microbiology, bioinformatics, protein function analysis, transfection, amplification, real-time and droplet digital PCR. Bio-Rad products support researchers in laboratories throughout the world.

Clinical Diagnostics
The Clinical Diagnostics Group develops, manufactures, sells, and supports a large portfolio of products for laboratory diagnostics. Bio-Rad is a leading specialty diagnostics company and its products are recognized as the gold standard for diabetes monitoring and quality control (QC) systems. The company is also well known for its blood virus testing and detection, blood typing, and autoimmune and genetic disorders testing. Bio-Rad’s clinical diagnostics products incorporate a broad range of technologies used to detect, identify, and quantify substances in bodily fluids and tissues. The results are used as aids to support medical diagnosis, detection, evaluation, and the monitoring and treatment of diseases and other medical conditions.
36TH Annual Meeting of the American Society for Reproductive Immunology
November 11-15, 2016
Marriott Inner Harbor at Camden Yards Baltimore, Maryland, U.S.A

MARK YOUR CALENDARS!
This three day conference and two day clinically-oriented course will include presentations by internationally recognized scientists and will cover the latest research and clinical findings in the field of Reproductive Immunology.

Baltimore - Maryland's largest city and economic hub, is known for its beautiful harbor; quirky, distinct neighborhoods; unique museums and the world-renowned Johns Hopkins University Hospital to the east and the University of Maryland Medical Center to the west. With its rich history, Baltimore is one of America's greatest historical destinations. Historic Fort McHenry National Monument and Historic Shrine, where troops successfully defended Baltimore's beloved harbor, remain a popular attraction. Baltimore welcomes and amazes visitors with "down to earth, small town" spirit and hospitality. Baltimore's Inner Harbor is an attraction in itself. Surrounding this urban waterfront park, you'll discover a number of interesting places to visit. The National Aquarium features more than 16,000 animals, from sharks to a giant sea turtles, while the Maryland Science Center's highlights include two-story dinosaurs and interactive exhibits.

For more information please visit the ASRI website <http://theasri.org> or contact one of the meeting co-chairs: Dr. Surendra Sharma<SSharma@wihri.org> or Dr. Irina Burd <iburd@jhmi.edu>