# SCHEDULE AT A GLANCE

## ASA 39th Annual Conference  
April 5 – 8, 2014  
**ASA Basic Science Workshop**  
April 5, 2014  
**Andrology Lab Workshop**  
April 5, 2014  
**ASA Special Symposium**  
April 5, 2014

### ASA 39th Annual Conference  
“**Andrology: Where Are We and Where Are We Going?”**  
April 5 – 8, 2014  
InterContinental Buckhead Atlanta  
Atlanta, Georgia  
Program Chairs: Robert E. Brannigan, MD and Barry R. Zirkin, MD  
Location: Windsor Ballroom C-E

## FRIDAY, APRIL 4, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:00 p.m. – 6:00 p.m.</td>
<td>Registration/Information Desk Open</td>
<td>Windsor Pre-Function Area</td>
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## SATURDAY, APRIL 5, 2014

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>7:30 a.m. – 7:30 p.m.</td>
<td>Registration/Information Desk Open</td>
<td>Windsor Pre-Function Area</td>
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<tr>
<td>4:00 p.m. – 9:30 p.m.</td>
<td>Exhibit Hall Open</td>
<td>Windsor Ballroom AB</td>
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## SUNDAY, APRIL 6, 2014

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>6:30 a.m. – 8:00 a.m.</td>
<td>Past President’s Breakfast</td>
<td>Trippe 1</td>
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<td>6:30 a.m. – 6:30 p.m.</td>
<td>Registration/Information Desk Open</td>
<td>Windsor Pre-Function Area</td>
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<tr>
<td>7:00 a.m. – 8:00 a.m.</td>
<td>Continental Breakfast in Exhibit Hall</td>
<td>Windsor Ballroom AB</td>
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### SCHEDULE AT A GLANCE

**SUNDAY, APRIL 6, 2014 (continued)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:45 a.m.</td>
<td>Break</td>
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<tr>
<td>11:00 a.m.</td>
<td>Poster Session I</td>
</tr>
<tr>
<td>12:30 p.m.</td>
<td>MENTORING LUNCHEON SPONSORED BY THE DIVERSITY AND TRAINEE AFFAIRS COMMITTEES</td>
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<tr>
<td></td>
<td>Embarking on a Scientific Career: Combining Administrative, Teaching and Clinical Responsibilities</td>
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<tr>
<td>12:30 p.m.</td>
<td>Editorial Board Luncheon</td>
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<tr>
<td>12:30 p.m.</td>
<td>Lunch On Your Own</td>
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**Concurrent Oral Sessions**

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>2:00 p.m.</td>
<td>Oral Session I: Molecular and Environmental Regulation of Male Reproductive Health</td>
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<tr>
<td></td>
<td>Location: Windsor C - E</td>
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</tbody>
</table>

**Lecture I**

**What’s Good for the Spermatogonial Stem Cell May Be Bad for the Offspring: Advantageous Mutations that Increase the Incidence of Human Disease**

Norman Arnheim, PhD
University of Southern California
(Introduced by Mary A. Handel, PhD)

**Lecture II**

**Novel Spermatogenic Pathways and Male Contraception**

Martin M. Matzuk, MD, PhD
Baylor College of Medicine
(Introduced by Jacquetta M. Trasler, MD, PhD)

**Symposium – Updates from the Centers for Disease Control and Prevention: Progress in Male Reproductive Health**

Moderator: Steven M. Schrader, PhD
National Institute for Occupational Safety and Health, CDC

**Additional Events**

- Insights Gained from CDC Surveys and Initiatives
  - Lee Warner, PhD
  - National Center for Chronic Disease Prevention and Health Promotion, CDC

- CDC’s Hormone Standardization Program: A Focus on Testosterone
  - Hubert Vesper, PhD
  - National Center for Environmental Health, CDC
Discussion: Potential Collaboration with Academic Programs and National Organizations

6:30 p.m. – 8:30 p.m.  
Trainee Forum and Mixer  
(All Trainee Travel Awards will be distributed and celebrated at this event)  
Location: Windsor Garden

MONDAY, APRIL 7, 2014

7:00 a.m. – 6:00 p.m.  
Registration/Information Desk Open  
Location: Windsor Pre-Function Area

7:00 a.m. – 8:00 a.m.  
Continental Breakfast  
Location: Windsor Foyer

8:00 a.m. – 9:00 a.m.  
WOMEN IN ANDROLOGY LECTURE  
Hormone Signaling and Reprogramming in Human Prostate Stem Cells  
Gail S. Prins, PhD  
University of Illinois at Chicago  
(Introduced by Donna L. Vogel, MD, PhD)

9:00 a.m. – 9:15 a.m.  
Young Andrologist Award

9:15 a.m. – 10:15 a.m.  
SYMPOSIUM II – Would You Give This Man Testosterone?  
Case-Based Discussions  
Moderators: Christina Wang, MD  
Stephanie T. Page, MD, PhD  
J. Lisa Tenover, MD, PhD  
VA Palo Alto Health Care System  
Peter N. Schlegel, MD  
The New York Weill/Cornell Medical Ctr.

10:15 a.m. – 10:30 a.m.  
Break  
Location: Windsor Foyer

10:30 a.m. – 11:15 a.m.  
DIVERSITY LECTURE  
Disparities in Men’s Health: The Role of the Primary Care Physician  
Charles S. Modlin, MD  
Cleveland Clinic Foundation, Minority Men’s Health Center  
(Introduced by George L. Gerton, PhD)

11:15 a.m. – 12:30 p.m.  
Poster Session II  
Location: Venetian

12:30 p.m. – 1:45 p.m.  
WOMEN IN ANDROLOGY LUNCHEON AND DISCUSSION  
What Successful Women Do Differently: Learning To Embrace Failure and To Take Risks  
Location: Trippe  
Moderator: Sophie La Salle, PhD  
*Not included in registration; ticket required

1:45 p.m. – 3:15 p.m.  
SYMPOSIUM III Spermatogenesis, Post-Testicular Sperm Maturation and Male Fertility  
Co-Chairs: Gail A. Cornwall, PhD  
Kenneth P. Roberts, PhD  
Qualitative and Quantitative Aspects of the Hormonal Control of Spermatogenesis Revisited  
Ilpo Huhtaniemi, MD, PhD, FMed Sci  
Imperial College, London
  Ca2+ and cAMP Signaling Cross-talk During Sperm Capacitation  
Pablo E. Visconti, PhD  
University of Massachusetts

3:15 p.m. – 3:30 p.m.  
Break  
Location: Windsor Foyer

3:30 p.m. – 4:15 p.m.  
LECTURE III:  
The Stress Hormone Corticotropin-Releasing Factor Acts in the Brain and the Testes to Regulate Testosterone Secretion  
Catherine Rivier, PhD  
The Salk Institute for Biological Studies  
(Introduced by Vassilios Papadopoulos, PhD)

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Andrology, 2014, 2 (Suppl. 1), 3
4:15 p.m. – 5:00 p.m.  LECTURE IV:  Pharmacological Regulation of Steroid Biosynthesis: From Testis to Brain  Vassilios Papadopoulos, PhD  The Research Institute of the McGill University Health Centre  (Introduced by Catherine Rivier, PhD)

5:00 p.m. – 6:00 p.m.  ASA Business Meeting  Outstanding Trainee Investigator and Trainee Awards

7:30 p.m. – 11:00 p.m.  Annual Banquet  Location: Atlanta Event Center at Opera  Buses depart from hotel lobby starting at 6:45 p.m.  *Not included in registration fee; ticket required

TUESDAY, APRIL 8, 2014

7:00 a.m. – 8:00 a.m.  2015 Program Committee Meeting  Location: Hope

7:00 a.m. – 12:00 p.m.  Registration/Information Desk  Open  Location: Windsor Pre-Function Area

7:00 a.m. – 8:00 a.m.  Continental Breakfast  Location: Windsor Foyer

8:00 a.m. – 9:15 a.m.  SYMPOSIUM IV – PSA and Prostate Cancer Debate: Is PSA Screening A Rational Approach?  Moderators: Gail S. Prins, PhD  Arthur L. Burnett, II, MD  William J. Catalona, MD  Northwestern University  Timothy Wilt, MD  University of Minnesota School of Medicine  Herbert B. Carter, MD  Johns Hopkins Hospital

9:15 a.m. – 10:15 a.m.  INTERNATIONAL LECTURE:  Pharmacogenetics of FSH  Manuela Simoni, MD, PhD  University of Modena and Reggio Emilia, Italy  (Introduced by Patricia S. Cuasnicu, PhD)

10:15 a.m. – 10:30 a.m.  Break  Location: Windsor Foyer

10:30 a.m. – 12:00 p.m.  SYMPOSIUM V – Innovations in Male Environmental Health Protection  Co-Chairs:  Sally Perreault Darney, PhD  Bernard Robaire, PhD  Revolution in Toxicity Testing and Risk Prediction for Chemicals in the Environment  Thomas Knudsen, PhD  US Environmental Protection Agency  Response of Human Fetal Testis Xenotransplants to Environmental Toxicants: Implications for Risk Assessment  Kim Boekelheide, MD, PhD  Brown University  Translation of the Science in Male Reproductive and Environmental Health for Evidence-Based Decisions by Clinicians, Regulators and the Public  Paula J. Johnson, PhD  University of California, San Francisco

MEETING ADJOURNED

Disclaimer Statement
Statements, opinions and results of studies contained in the program are those of the presenters/authors and do not reflect the policy or position of the ASA nor does the ASA provide any warranty as to their accuracy or reliability.
PRESIDENT’S WELCOME

It is my pleasure to welcome everyone to the 39th Annual Meeting of the American Society of Andrology, entitled “Andrology: Where Are We and Where Are We Going?” The query is even more compelling in this era of constraints on funding for basic research. Limitations on basic research impact not only men’s health, but the health and well-being of males of all species. We will hear about the state of the funding landscape at the very start of our sessions. We are meeting in Atlanta, Georgia which has been described as the “capital city of the Southeast, a city of the future with strong ties to its past”. I like to think of ASA in those terms, a society of the future with a distinguished heritage of past achievements in animal and men’s health. This is consistent with the mission of the Society, to advance discovery and education in male reproductive health through the integration of basic and clinical sciences and scientists. This mission is clearly the intent of the 39th Annual Meeting. The Program Co-Chairs, Barry Zirkin, PhD (Johns Hopkins Bloomberg School of Public Health) and Robert Brannigan, MD (Northwestern University) have assembled cutting edge and timely symposia and lectures blending basic and clinical research. The Program is seamless in that respect, which means that we will not find it easy to miss a session based on its being labeled “clinical” or “basic”. The Program begins at the beginning with the cell. The Emil Steinberger Memorial Lecture, “iPS Cell Technology and Disease Research: Issues to be Resolved”, will be presented by a pioneer in stem cell biology, Professor Rudolf Jaenisch (MIT). There are Major Symposia on stem cells in the male reproductive tract; testosterone replacement; spermatogenesis, sperm maturation and fertility, as well as new thinking about PSA and prostate cancer; and innovations in male environmental health protection.

Major Lectures on stem cells in relation to the incidence of human disease; novel spermatogenic pathways with relevance to male contraception; and the regulation of testosterone secretion by factors in the brain and testis are prominent in this program. The annual Women in Andrology Lecture will focus on hormone signaling and reprogramming in human prostate stem cells. Differences of opinion that are necessary for good science will be reflected in the AUA Lecture, “Controversies in Vasectomy and Vasectomy Reversal”; a debate on PSA screening and Prostate Cancer; and T therapy in clinical practice. The Women in Andrology Luncheon will focus on the qualities of successful women in science. It, therefore, is not surprising that three women are the recipients of this year’s ASA awards: Gail Prins will be honored as the 2014 Distinguished Andrologist; Sara Kimmins will receive the Young Andrologist Award; and Susan Rothman will receive the Distinguished Andrologist Award.

An important function of ASA is engaging students in our endeavors. A Mentoring Luncheon is scheduled that will examine what it takes to embark on a scientific career. Our membership committee is working diligently to recruit more student members to ASA so please encourage your students to join.

Atlanta is the home of the Centers for Disease Control and Prevention’s (CDC). ASA will expand its association with CDC by hosting a special symposium dealing with the role of the agency in research areas of relevance to Andrology.

There is a critical need to raise the awareness in our society of men’s health issues by publicizing our work as a way to promote the importance of investing in basic and applied research in the United States. This cannot be over-emphasized. We have established a website, “Andrology America,” which we hope will serve this purpose by making it somewhat easier to answer the question, “What is Andrology?”

Be sure to attend the Banquet and Dance which will be held at the Atlanta Event Center at Opera, the premier event center in Atlanta, Georgia. Housed in a building that was originally constructed as an opera house in the early roaring 1920s, Opera is known among the most stylish and well-located event facilities throughout the Southeast.

Finally, I am honored to have had the privilege of serving this past year as president of ASA. I am pleased to report that the society continues to be a viable and important component of the American scientific community. I am extremely proud of the Program for the 39th Annual Meeting of ASA, and thank you all for joining me in Atlanta.

Erwin Goldberg, PhD
President, American Society of Andrology

PAST PRESIDENTS OF THE AMERICAN SOCIETY OF ANDROLOGY

<table>
<thead>
<tr>
<th>Year</th>
<th>President</th>
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<tr>
<td>1975-1977</td>
<td>Emil Steinberger*</td>
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<td>1977-1978</td>
<td>Don W. Fawcett*</td>
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<td>1978-1979</td>
<td>C. Alvin Paulsen*</td>
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<td>1979-1980</td>
<td>Nancy J. Alexander</td>
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<td>1980-1981</td>
<td>Philip Troen</td>
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<td>1981-1982</td>
<td>Richard M. Harrison</td>
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<td>1982-1983</td>
<td>Richard J. Sherins</td>
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<td>1983-1984</td>
<td>Andrzej Bartke</td>
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<td>1984-1985</td>
<td>Rudi Ansbacher</td>
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<td>1985-1986</td>
<td>Anna Steinberger</td>
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<td>1986-1987</td>
<td>William D. Odell</td>
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<td>1987-1988</td>
<td>Larry L. Ewing*</td>
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<td>1988-1989</td>
<td>C. Wayne Bardin</td>
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<td>1989-1990</td>
<td>Rupert Amann</td>
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<td>1990-1991</td>
<td>Howard Nankin</td>
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<td>David W. Hamilton</td>
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<td>1992-1993</td>
<td>Ronald S. Swerdloff</td>
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<td>1993-1994</td>
<td>Bernard Robaire</td>
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<td>1994-1995</td>
<td>Glenn R. Cunningham</td>
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<td>1995-1996</td>
<td>Marie-Claire Orgebin-Crist</td>
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<td>1996-1997</td>
<td>Arnold M. Belker</td>
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PAST PRESIDENTS (CONTINUED)

1997-1998  Terry T. Turner
1998-1999  Richard V. Clark
1999-2000  Barry T. Hinton
2000-2001  J. Lisa Tenover
2001-2002  Barry R. Zirkin
2002-2003  Jon L. Pryor
2003-2004  Gail S. Prins
2004-2005  William J. Bremner
2005-2006  Sally Perreault Darney
2006-2007  Christina Wang
2007-2008  Terry R. Brown
2008-2009  Wayne J.G. Hellstrom
2009-2010  Dolores J. Lamb
2010-2011  Paul J. Turek
2011-2012  Gail A. Cornwall, PhD
2012-2013  Donna L. Vogel, MD, PhD

*Deceased

AMERICAN SOCIETY OF ANDROLOGY

OFFICERS
President         Erwin Goldberg, PhD
Vice President    Jay I. Sandlow, MD
Secretary         Jacquetta M. Trasler, MD, PhD
Treasurer         Rex A. Hess, MS, PhD
Past President    Donna L. Vogel, MD, PhD

EXECUTIVE COUNCIL MEMBERS
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COMMITTEE CHAIRS
Andrology Laboratories
Charles H. Muller, PhD; Seattle, WA

Archives & History Committee
Rex A. Hess, MS, PhD; Urbana, IL

Awards Committee
Barry R. Zirkin, PhD; Baltimore, MD

Basic Science Workshop
Kate Loveland, PhD; Clayton, VIC Australia
Sophie La Salle, PhD; Downers Grove, IL (Co-Chair)

Bylaws Committee
Jannette Dufour, PhD; Lubbock, TX

Diversity Committee
Maria Christina W. Avellar, PhD; Sao Paulo, Brazil
George Gerton, PhD; Philadelphia, PA (Co-Chair)

Endowment Committee
Susan A. Rothmann, PhD, HCLD; Cleveland, OH

Ethics Committee
Ronald W. Lewis, MD; Augusta, GA

Finance Committee
Michael A. Palladino, PhD; West Long Branch, NJ

Future Meetings Committee
John McCarrey, PhD, BS, MS; San Antonio, TX

Industrial Relations Committee
Mohit Khera, MD; Houston, TX

International Liaison Committee
Patricia S. Cuasnicu, PhD; Buenos Aires, Argentina

Journal Oversight Committee
Marvin L. Meistrich, PhD; Houston, TX
Rex A. Hess, MS, PhD; Urbana, IL (Co-Chair)

Laboratory Science Forum
David S. Karabinus, PhD, HCLD; Manassas, VA

Liaison Committee
Cristian O’Flaherty, PhD; Montreal, QC Canada

Local Arrangements Committee
John McCarrey, PhD, BS, MS; San Antonio, TX

Membership Committee
Alan Diekman, PhD; Little Rock, AR

Nominating Committee
Donna L. Vogel, MD, PhD; Baltimore, MD

Program Committee
Robert E. Brannigan, MD; Hinsdale, IL (Co-Chair)
Barry R. Zirkin, PhD; Baltimore, MD (Co-Chair)

Public Affairs and Policy Committee
Patricia L. Morris, PhD, MS; New York, NY

Publications and Communications Committee
Jacques J. Tremblay, PhD; Quebec City, QC Canada

Special Symposium
Mohit Khera, MD; Houston, TX
Allen D. Seifel, MD, FACS; Camden, NJ (Co-Chair)

Trainee Affairs
Peter Liu, MBBS, PhD; Torrance, CA
George L. Gerton, PhD; Philadelphia, PA (Co-Chair)

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Email: info@andrologysociety.org

NOTICE TO READERS
Every effort has been made to ensure that the information printed here is correct; however, details are subject to change.
GENERAL MEETING INFORMATION

Located in the north-west region of the state, Atlanta is not only the capital, but also Georgia’s largest city, and operates as the main transportation hub of the southeast. From General William T. Sherman’s March to the Sea during the Civil War to the founding of The Coca-Cola Company, and most memorably, as the birthplace of Martin Luther King, Jr. and a major organizing city in the Civil Rights Movement, Atlanta provides a rich historical culture waiting to be explored.

ATTRACTIONS
There are endless options of exciting activities and attractions in Atlanta. Visit the World of Coca-Cola for an educationally delicious look into the world’s most famous soft drink where you will have the opportunity to learn about the history, sample over 60 different flavors of Coca-Cola from around the world and more. Delve into the legacy of the leader of the Civil Rights Movement at the Martin Luther King, Jr. National Historic Site. Throughout the site you will find his original gravesite, current tomb, boyhood home and much more. Check out the Georgia Aquarium, the world’s largest aquarium. It features tens of thousands of animals of over 500 species, including displays with whale sharks and manta rays, and beluga whales, as well as a must-see dolphin gallery.

SHOPPING
Atlanta offers it all, from boutiques to outlet centers to art galleries and antiques, making the shopping here always exciting. Visit Atlanta’s Buckhead District, a chic neighborhood with luxury shopping in sought after destinations, such as Lenox Square and Phipps Plaza. Explore Atlanta’s neighborhoods, such as Decatur and Bennett Street, to browse through an array of charming boutiques selling everything from clothing and custom made jewelry to furniture and works of art.

DINING/NIGHTLIFE
The Atlanta dining scene offers a melting pot of choices from the traditional Atlanta soul food, to more refined and original recipes that are sure to make any foodie excited. For instance, head over to the Paschal’s where they have been serving up southern cooking from fried chicken and fried green tomatoes to barbecue ribs since 1947, or visit Anis Café & Bistro for their signature mussels and other indulgent dishes. After dinner, a diverse selection of nightlife awaits in Atlanta, with laid back, chic and trendy options to choose from. Step into Buckhead Bottle Bar, a stylish restaurant that serves up original cocktails, and is open late, fit for an evening of dining, drinks and dancing. Atlanta also offers a variety of theatre and production options from outdoors at the Chastain Park Amphitheater or the Verizon Wireless Amphitheatre, to Broadway’s best at Fox Theatre and many more!

WEATHER
Atlanta has a warm, humid climate with April characterized by rising temperatures. The average temperature for early April is a high of 70 degrees Fahrenheit and a low of 50 degrees Fahrenheit.

OUTDOOR RECREATION
Explore Stone Mountain Park where exciting adventures and historical sights are in store. The park features a Geyser Tower, a SkyHike, which is the nation’s largest adventure course, scenic rides around the mountain and much more. Stop by the foot of the mountain to find the Stone Mountain Golf Club for a relaxing and picturesque game of golf. Housing interesting animals from around the world, Zoo Atlanta is the place to go to see animal shows and fascinating exhibits, and enjoy a picnic in the park.

ARTS & CULTURE
With 11,000 pieces from around the world, Atlanta’s High Museum of Art is not lacking in range. Their main collection features work from Monet, Tournier, Tiepolo and Ernst, among many other notable artists. Browse through Atlanta’s unique neighborhood galleries, which include the inventive, Museum of Design Atlanta (MODA). Or check out the Atlanta Symphony Orchestra, a Grammy Award-winning orchestra that is sure to entertain and impress.

Registration/Information Desk Hours are as follows:

- **Friday, April 4, 2014:** 2:00 p.m. – 6:00 p.m.
- **Saturday, April 5, 2014:** 7:30 a.m. – 7:30 p.m.
- **Sunday, April 6, 2014:** 6:30 a.m. – 6:30 p.m.
- **Monday, April 7, 2014:** 7:00 a.m. – 6:00 p.m.
- **Tuesday, April 8, 2014:** 7:00 a.m. – 12:00 p.m.

Exhibit Hall Hours are as follows:

- **Saturday, April 13, 2013:** 4:00 p.m. – 9:30 p.m.
- **Sunday, April 14, 2013:** 7:00 a.m. – 4:00 p.m.
HOTEL INFORMATION

The American Society of Andrology 2014 Annual Conference will be held at the beautiful InterContinental Buckhead Atlanta in Atlanta, Georgia where special room rates have been arranged for meeting attendees.

InterContinental Buckhead Atlanta
3315 Peachtree Road NE
Atlanta, GA 30326
Main: (404) 946-9000
Fax: (404) 521-1327
Website: http://www.ichotelsgroup.com/intercontinental/en/gb/locations/atlanta

Room Rate: $175.00
Hotel Deadline: March 14, 2014
Reservations: (877) 422-8254

ASA has negotiated a discounted rate of $175.00 plus tax (currently 16%) at the InterContinental Buckhead Atlanta Hotel. Additional charges for people over 17 years of age is $25.00 per person per night.

Hotel Deadline
The deadline to receive the ASA group rate is March 14, 2014. ASA encourages you to make your reservation early, as the hotel and discount block may sellout before this date. After this date, reservations will be accepted based on availability and higher rates may apply.

Reservations
Attendees are responsible for making their reservations by calling the hotel at (877) 422-8254. Please reference the ASA to receive the discounted rate.

Hotel Deposit and Cancellation Policy
A credit card is required for a reservation guarantee. These deposits are fully refundable if the hotel is notified 24-hours prior to arrival and a cancellation number is obtained.

TRAVEL & TRANSPORTATION

Airport Information
Hartsfield-Jackson Atlanta International Airport is approximately 17 miles from the InterContinental Buckhead Atlanta Hotel or 30 minutes by car.

Taxi Cab Services
Several taxi companies operate at the Hartsfield-Jackson Atlanta International Airport:

Atlanta Checker Cab Company: (404) 351-1111
A&B Taxi: (770) 471-6646
Atlanta Lenox Taxi: (404) 872-2600

Rental Car Information
Avis® Rent-A-Car is the official rental car company for the ASA Annual Conference. For reservations, please call (800) 331-1600, and use the code “J901055” to receive the discounted rates.

Public Transportation
Hartsfield-Jackson Atlanta International Airport offers easy access to the Metropolitan Atlanta Transit Authority System. From Hartsfield-Jackson Atlanta International Airport, a one-way fare to Buckhead costs $2.50. Please visit the following link for detailed directions: http://www.itsmarta.com/

Parking
The InterContinental Buckhead Atlanta Hotel offers self parking for $22.00 per day and valet parking for $32.00 per day. Please note that rates are subject to change.
**Laboratory Science Forum Luncheon**

“Kinetic Vitrification: Some Basics and Applications in Andrology Labs”

**Date:** Saturday, April 5, 2014  
**Time:** 12:00 p.m. – 1:00 p.m.  
**Location:** Trippe 1

In this year’s LSF Luncheon, Dr. Igor Katkov will provide an overview of gamete cryopreservation from the perspective of vitrification. Following a review of the basics of cryopreservation, kinetic vitrification will be discussed with special emphasis on basic and emerging applications and techniques. In addition to providing a review of or first exposure to the principles of cryopreservation, this presentation will also address the principles and promise of vitrification. We look forward to your attending this cool presentation.

**Cost:** One ticket is included with Andrology Laboratory Workshop (ALW) registration; $35.00 for non-ALW registrants. Please sign up for this event on the ASA registration form.

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**Welcome Reception**

**Date:** Saturday, April 5, 2014  
**Time:** 7:30 p.m. – 9:30 p.m.  
**Location:** Windsor Ballroom AB

Join us for a welcome reception to connect with friends and colleagues. Admission to the reception is included in your ASA registration fee; however, it is not included if you are only attending the Andrology Lab Workshop.

**Dress:** Business casual or casual attire is appropriate  
**Cost:** One ticket included in ASA registration; $25.00 for additional tickets. Please sign up for this event on the registration form.

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**Mentoring Luncheon Sponsored by the Diversity and Trainee Affairs Committees**

“Embarking on a Scientific Career: Combining Administrative, Teaching and Clinical Responsibilities”

**Date:** Sunday, April 6, 2014  
**Time:** 12:30 p.m. – 2:00 p.m.  
**Location:** Trippe 2

Dr. Bremner is a recipient of the Distinguished Andrologist Award from the ASA, and has mentored many junior faculty. He is an active clinician, chair of a large department of medicine and principal investigator of a NICHD Male Contraception Research Center Program grant. He will share his insights into how to combine administrative, teaching and clinical responsibilities whilst embarking on a research career.

**Speaker:** William J. Bremner, MD, PhD  
**Cost:** $10.00 for trainees, $35.00 for non-trainees. Please sign up for this event on the registration form.

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**Women in Andrology Luncheon and Discussion**

“What Successful Women Do Differently: Learning to Embrace Failure and to Take Risks”

**Date:** Monday, April 7, 2014  
**Time:** 12:30 p.m. – 1:45 p.m.  
**Location:** Trippe

**Host:** Sophie La Salle, PhD

**Cost:** $25.00 for trainees, $35.00 for non-trainees. Please sign up for this event on the registration form.

The ASA is rich with accomplished women andrologists thriving in a variety of positions. What is their secret? Although everyone has their own definition of success, most successful women share common traits. Please join us as we discuss the qualities and approaches that lead to our success. Time will also allow for networking with fellow women in andrology.

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**Trainee Forum and Mixer**

**Date:** Sunday, April 6, 2014  
**Time:** 6:30 p.m. – 8:30 p.m.  
**Location:** Windsor Garden

The ASA Trainee Forum and Mixer provides the opportunity for trainee members to meet other trainees, as well as meet with more established members of the society. This is a relaxed, informal event with appetizers, beer and wine provided. Senior members of the society will be present for an informal “forum and discussion group” setting to answer your questions about relevant topics such as grant writing, searching for a postdoctoral fellowship or job, alternative PhD career paths, succeeding in the clinic or lab, etc.

**Cost:** Complimentary; all members of the society are welcome. Please sign up for this event on the registration form.

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**Annual Banquet**

**Date:** Monday, April 7, 2014  
**Time:** 7:30 p.m. – 11:00 p.m.  
**Location:** Atlanta Event Center at Opera

**Cost:** $75.00 per person, $35.00 for trainees. Includes dinner and entertainment. Please sign up for this event on the registration form.

The Annual Banquet and Dance will be held at the Atlanta Event Center at Opera. This eclectic building was originally constructed as an opera house in the roaring 1920s and features ornate designs that create a luxurious atmosphere perfect for the night’s event.

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MESSAGE FROM THE PROGRAM CO-CHAIRS

Welcome to Atlanta for the 39th Annual Meeting of the American Society of Andrology. The theme of this year’s meeting is “Andrology: Where Are We and Where Are We Going?” Our objective was to put together cutting edge symposia and lectures that blend basic with clinical research and that look ahead. We realized that success in doing this required bringing together outstanding scientific leaders, both MD and PhD, with accomplishment and vision. We’re sure you will agree that the speakers have “been there/done that,” and that all are well positioned to discuss where we have been and where we are (or should be) going!

The Emil Steinberger Memorial Lecture, which kicks off the 2014 meeting, will be delivered by Rudolf Jaenisch, PhD of MIT and the Whitehead Institute. Dr. Jaenisch’s talk is entitled “iPS Cell Technology and Disease Research: Issues to be Resolved.” Dr. Jaenisch is a Founding Member of the Whitehead Institute. His research has focused on understanding epigenetic regulation of gene expression, and this work has led to major advances in our understanding of embryonic stem cells and induced pluripotent stem (iPS) cells. He has coauthored more than 375 research papers and has received numerous prizes and recognitions, including an appointment to the National Academy of Sciences in 2003. The 2014 AUA lecturer will be Jay Sandlow, MD, Director of Male Infertility at the Medical College of Wisconsin. Dr. Sandlow will speak on “Controversies in Vasectomy and Vasectomy Reversal. The Impact of Male Infertility on Men’s Health: Is There a Relationship?” This is in keeping with Dr. Sandlow’s long-standing interests in the basis for and treatment of male infertility, and in diseases that some of these men incur.

Five major symposia will follow these talks, each with significant translational implications. Symposium I, entitled Stem Cells in the Male Reproductive Tract, will involve a series of talks to be presented by Martine Culty, PhD (Unraveling Signaling Pathways Controlling Gonocyte Differentiation), William Wright, PhD (Regulation of Spermatogonial Stem Cells in the Adult Testis) and Kyle Orwig, PhD (Human and Non-Human Primate Stem Cells). Symposium II, entitled Would You Give This Man Testosterone? Case-Based Discussion, will be a discussion/debate by J. Lisa Tenover, MD, PhD and Peter Schlegel, MD on an issue, testosterone replacement, that has become extremely controversial. Symposium III, entitled Spermatogenesis, Post-Testicular Sperm Maturation and Male Fertility, will consist of a series of talks presented by Ilpo Huhtaniemi, PhD (Qualitative and Quantitative Aspects of the Hormonal Control of Spermatogenesis Revisited), Pablo Visconti, PhD (Ca2+ and cAMP Signaling Crosstalk During Sperm Capacitation) and Bernard Robaire, PhD (Aging Affects Germ Cells from Genes to Fertility). Symposium IV, entitled PSA and Prostate Cancer Debate: Is PSA Screening A Rational Approach?, will be a debate by William Catalona, MD, Timothy Wilt, MD and Bai Carter, MD. This, too, is a “hot topic” that is controversial and extremely important. ASA’s annual meeting, with its basic scientists and clinicians sitting in the same room, represents an exceptionally appropriate form in which to discuss/debate the issue. Symposium V, entitled Innovations in Male Environmental Health Protection, will consist of talks presented by Thomas Knudsen, PhD (Revolution in Toxicity Testing and Risk Prediction for Chemicals in the Environment), Kim Boekelheide, MD, PhD (Response of Human Fetal Testis Xenotransplants to Environmental Toxins: Implications for Risk Assessment) and Paula Johnson, PhD (Translation of the Science in Male Reproductive and Environmental Health for Evidence-Based Decisions by Clinicians, Regulators and the Public).

There will also be a series of major lectures. This include the Women in Andrology Lecture by this year’s Distinguished Andrologist awardee, Gail Prins, PhD, entitled Hormone Signaling and Reprogramming in Human Prostate Stem Cells; the International Lecture by Manuela Simoni, MD, PhD, entitled Pharmacogenetics of FSH; and a new Diversity Lecture on Disparities in Men’s Health by Charles Modlin, PhD entitled The Role of the Primary Care Physician. Dr. William Brenner, MD, PhD will lecture on Embarking on a Scientific Career: Combining Administrative, Teaching and Clinical Responsibilities in the context of a Mentoring Luncheon sponsored by the Diversity and Trainee Affairs Committees. Additionally, there will be a discussion/debate by J. Lisa Tenover, MD, PhD and Peter Schlegel, MD on an issue, testosterone replacement, that has become extremely controversial.

An important feature of our annual meetings are the platform and poster sessions, this year’s drawn from the over 150 submitted abstracts. There will be concurrent oral sessions that each will have six speakers, entitled Molecular and Environmental Regulation of Male Reproductive Health and Human Spermatogenesis: Novel Findings in 2014. Two poster sessions also will be held. Both the platform and poster sessions permit those attending the meeting to share their most recent research, and are particularly exciting for the trainees. Please be sure to come out and see the work of the up-and-comers in the field of andrology.

This year’s meeting will be significantly enhanced by colleagues from NIH (Drs. Stuart Moss and Thaddeus Schug, who will update us on where NIH funding and interests are, and where we likely are to be going; by the Centers for Disease Control and Prevention which will be integrally involved in a special symposium on Progress in Male Reproductive Health, including talks by Lee Warner, PhD (Insights Gained from CDC Surveys and Initiatives) and Hubert Vesper, PhD on CDC’s Hormone Standardization Program: A Focus on Testosterone. There also will be a discussion on potential collaboration between CDC and academic programs and national organizations. The annual meeting will be preceded on Saturday, April 5 by the ASA Basic Science Workshop, entitled Assessing Male Reproductive Function in the Laboratory and chaired by Kate Loveland; the ASA Andrology Lab Workshop entitled Post Vasectomy Semen Analysis: Lab Methods and Interpretation, chaired by Charles Muller; and a Special Symposium entitled Controversies in Testosterone Therapy: Cardiovascular Disease/Metabolic Syndrome, Prostate Cancer, and Fertility, chaired by Mohit Khera and Allen Sefel. Complementing these scientific activities will be events for networking, career development, discussion and socializing. These include the welcoming reception; the Women in Andrology Luncheon and Discussion (What Successful Women Do Differently: Learning to Embrace Failure and to Take Risks), moderated by Sophie La Salle; a Mentoring Luncheon sponsored by the Diversity and Trainee Affairs Committees featuring a lecture by Dr. Brenner noted above; and a trainee forum and mixer.

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We thank ASA president Erv Goldberg, PhD for offering us this special opportunity to chair the organization of the 2014 annual meeting, and are grateful for the input and advice from the andrology community, and especially from our Program Committee members. We are particularly grateful to W.J. Weiser and Associates for their consistent help. We hope that the meeting proves to be what the ASA deserves it to be! Enjoy!!

Robert E. Brannigan, MD
Barry R. Zirkin, PhD

PROGRAM COMMITTEE
Robert E. Brannigan, MD; Hinsdale, IL (Co-Chair)
Barry R. Zirkin, PhD; Baltimore, MD (Co-Chair)

Annual Meeting - Clinical
Arthur L. Burnett, II, MD; Baltimore, MD
Marc Goldstein, MD; New York, NY
Robert D. Oates, MD; Boston, MA
Jay I. Sandlow, MD; Milwaukee, WI
Peter N. Schlegel, MD; New York, NY

Annual Meeting - Basic Science
Gail A. Cornwall, PhD; Lubbock, TX
Ina Dobrinski, DVM, PhD; Calgary, AB Canada
Mary Ann Handel, PhD; Bar Harbor, ME
Haifan Lin, PhD; New Haven, CT
Sally Perreault Darney, PhD; Cary, NC
Bernard Robaire, PhD; Montreal, QC Canada

Special Symposium
Mohit Khera, MD; Houston, TX (Co-Chair)
Allen D. Seftel, MD, FACS; Camden, NJ (Co-Chair)

EMIL STEINBERGER MEMORIAL LECTURE AWARD

Rudolf Jaenisch, MD, is a professor of biology at the Massachusetts Institute of Technology and a member of the Whitehead Institute for Biomedical Research. Dr. Jaenisch’s laboratory’s expertise is in epigenetics, reprogramming and stem cells. He began his career as a pioneer making transgenic mice, some of which have produced important advances in understanding cancer, neurological and connective tissue disease and developmental abnormalities. These methods have been used to explore basic questions such as the role of DNA modification, genomic imprinting, X chromosome inactivation, nuclear cloning and, most recently, the nature of stem cells. The laboratory is known for its expertise in cloning mice and in studying the many factors that contribute to the success and failure of that process. They have gained important insights into therapeutic cloning, and have indeed rescued mice having a genetic defect through therapeutic cloning and gene therapy. In addition, using mice as a model and a technique called “altered nuclear transfer,” they have demonstrated that it is possible to procure embryonic stem cells without harming a viable embryo. More recently the lab has demonstrated that somatic cells can be reprogrammed in vitro to pluripotent ES-like cells and that these cells are suitable to correct both genetic and induced defects in mice by transplantation therapy. Using this technique for turning skin cells into stem cells, the lab has been able to cure mice of sickle cell anemia—the first direct proof that these easily obtained cells can reverse an inherited disease. His group offers a team of scientists who are experts in deriving and manipulating iPS cells, and generating and differentiating neurons from them. Their interest in neurodegenerative diseases such as Parkinson’s, Alzheimer’s, and Synucleinopathy has also created powerful synergies with other laboratories, sharing their expertise to understand and solve these devastating diseases. Dr. Jaenisch has mentored over 32 former predoctoral fellows and over 60 postdoctoral researchers, including current full Professors at Harvard, Stanford and UCLA. Dr. Jaenisch received his medical degree from the University of Munich in Germany and postdoctoral degrees in both molecular/cell biology and developmental biology from Max-Planck-Institute for Biochemistry in Munich and Princeton University in Princeton, New Jersey, respectively. Dr. Jaenisch has received many honors throughout his career, most recently he received both the Franklin Institute Laureate and the Passano Foundation Award in 2013. He is on the Editorial Board for PNAS, a fellow of the American Academy of Arts and Science and a member of the Internation Society for Stem Cell Research, the National Academy of Sciences, the German Academy of Natural Sciences Leopoldina and the National Institute of Medicine.

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Serono Lectureship Recipients
1980 C. Alvin Paulsen
1981 Pierre Soupart
1982 Kevin J. Catt & Maria L. Dufau
1983 J. Michael Bedford
1984 C. Wayne Bardin
1985 David M. De Kretser
1986 Ronald S. Swerdloff
1987 Roger V. Short
1988 Roger Guillemin
1989 Frank S. French
1990 David C. Page
1991 Tony M. Plant
1992 Yves Clermont
1993 Leroy Hood
1994 Michael D. Griswold
1995 Marie-Claire Orgebin-Crist
1996 Norman B. Hecht
1997 Patrick C. Walsh
1998 Jurrien Dean
1999 Neal First
2000 Bert O'Malley
2001 John D. Gearhart
2002 David Botstein
2003 Victor D. Vacquier

ASA Lectureship Recipients
2004 Judith Kimble
2005 David Page
2006 John R. Aitken
2007 Rudolf Jaenisch
2008 Haifan Lin
2009 Blanche Capel

Emil Steinberger Memorial Lecture Recipients
2010 Andrew Sinclair
2011 Leendert Looijenga
2012 William F. Crowley, Jr.
2013 Deborah O’Brien, PhD

DISTINGUISHED ANDROLOGIST AWARD

Gail S. Prins, PhD, is the Michael Reese Professor in the Departments of Urology and Physiology & Biophysics at the University of Illinois at Chicago, College of Medicine. She obtained her PhD in Physiology from the University of Illinois Medical Center, Chicago in 1979 under the tutelage of Laurens Zaneveld, PhD, DVM, a founding member of ASA, with focused studies on sperm transport mechanisms in the vas deferens. She next completed an NIH postdoctoral fellowship in the Department of Urology at Northwestern University Medical School where she developed a research focus on hormonal regulation of the prostate gland. In 1983, Dr. Prins joined the faculty at Michael Reese Hospital & Medical Center as assistant professor of obstetrics and gynecology, University of Chicago. As the founder and director of the In-Vitro Fertilization Laboratory, she was successful in obtaining the first pregnancies and live births in the Midwest using this new technology. She simultaneously built an active a clinical andrology laboratory and a basic research program in prostate androgen receptor regulation. In 1996, Dr. Prins joined the Department of Urology at the University of Illinois at Chicago, moving her research team and clinical andrology laboratory to the UIC campus where she rose through the ranks to her current position.

Dr. Prins has maintained two active and highly successful research programs since the 1980s. Her translational research on human sperm cryopreservation led to the development of an optimal sperm freezing system widely used throughout the globe for both donor and surgically retrieved patient sperm samples. Her basic research program, continuously funded by the NIH for the past 25+ years, is focused on prostate gland development, steroid receptors, hormonal carcinogenesis, endocrine disrupting chemicals (EDCs) and the fetal basis of adult prostate disease. Her work has established that early life exposures to natural estrogens or EDCs, such as bisphenol A, permanently reprogram the prostate and increase its susceptibility to cancer with aging. She has gone on to identify the molecular basis for altered prostate memory, which includes epigenetic reprogramming of prostate stem cells. Most recently, her research team developed novel models to examine these interactions in human embryonic stem cells and prostate epithelial stem and progenitor cells and determined that similar to animal models, stem cell reprogramming and carcinogenic susceptibility are modulated by estrogens and EDCs in the human tissue.

Dr. Prins is widely acclaimed for her research and has authored over 160 peer-reviewed manuscripts in addition to book chapters and position papers. Dr. Prins has performed prodigious service for the ASA over the past 30 years, acting as treasurer (1994 – 1998), president (2003 – 2004), member of the Executive Council, chair of the Finance Committee and chair of the Development Committee as well as service on numerous committees and programs. Similarly, she has served on multiple scientific advisory panels including the Integration Panel for the DoD Prostate Cancer Research Program, the NIEHS External Scientific Review Committee, the NAS Committee to evaluate Veterans and Agent Orange, as NIH grant reviewer and as chair of the Gordon Research Conference on Hormones, Development and Cancer. She is currently an editor of Endocrinology and associate editor of Andrology. Dr. Prins is the recipient of multiple awards including the Distinguished Service Award from the American Society of Andrology (2001), the Ex-
cellence in Urologic Research Award from the Society for Basic Urologic Research, the 2011 UIC Researcher of the Year Award in Basic Life Sciences and was invested with the Michael Reese Endowed Professorship in Urology at UIC in 2013.

In summary, Dr. Prins experiences a robust career that spans multiple areas of the Andrology field, from basic research discoveries that define the developmental basis of adult prostate disease, to service as a Director of Andrology and IVF Laboratories with translational advances for sperm banking and male infertility. Combined with her career-long scientific service contributions, she exemplifies the qualities embodied in the ASA Distinguished Andrologist award. As such, it is most fitting that the ASA honors her outstanding contributions by bestowing on her the Society’s highest honor for 2014.

The Distinguished Andrologist Award is sponsored by the American Society of Andrology.
Dr. Susan Rothmann is the founder and President of Fertility Solutions Inc. She received a BA in biology from Wells College in 1971, followed by an MS in 1973 and a PhD in 1976 from New York University. She completed postdoctoral fellowship training in Cardiovascular Research and Laboratory Hematology at the Cleveland Clinic Foundation and was a member of the Professional Staff from 1978 to 1992. She founded the Cleveland Clinic Sperm Bank and Andrology Laboratory. She received a Certificate in Health Care Practice Management in 1991 from the Weatherhead School of Management at Case Western Reserve University. Dr. Rothmann holds Board-certifications as High-Complexity Laboratory Director, Andrology Laboratory Director and Clinical Laboratory Consultant. She has post-graduate training in hypnotherapy, guided imagery and business management.

Dr. Rothmann’s research interests focus on standardization of sperm morphology classification, education in semen analysis and improved standardization of semen analysis in multicenter clinical trials for vasectomy, pharmaceutical safety and toxicology. Her recent NIH sponsored research identified significant lack of consensus in application of morphology systems, from which she developed a novel standardized method for sperm shape classification based on a dichotomous tree algorithm. In 1992, Dr. Rothmann started work on new methods for teaching laboratory andrology methods and management. She introduced a new format for ASA workshops using interactive exercises and small breakout group modules. She has served as faculty in the majority of them and program chair or co-chair of four, including the first hands-on wet workshop sponsored by the ASA outside of the Annual Meeting. She is currently editing interactive training texts on semen analysis and sperm morphology and developing medical technology curriculum for semen analysis.

Dr. Rothman has authored over 100 scientific manuscripts, book chapters and abstracts, been the recipient of numerous research grants and trained many fellows and students. She is the author/editor of four books on semen analysis and the author/narrator of four fertility guided imagery audios.

Dr. Rothmann joined ASA in 1985 and is a Life Member. She was elected to Executive Council in 1991 and again in 2010. She has chaired the Andrology Laboratories, Endowment Ad Hoc and Awards Committees and is currently chair of Endowment and Development Committee and the 2013 – 2014 Annual Fund Campaign. She served on Student Affairs, Industrial Relations, Nominating, Student Affairs, Liaison, Constitution/Bylaws, Local Arrangements, Laboratory Scientists and Nominating, Endowment and Development and Strategic Planning Committees. She was active in the CASA User Group and represented ASA interests in the College of American Pathologists’ Reproductive Biology Resource Committee. She was a founder of Women in Andrology to promote diversity in society leadership. Dr. Rothmann coauthored the 2012 ASA Strategic Plan and wrote the 2013 comprehensive Endowment Plan.
Dr. Sarah Kimmins received her PhD from Dalhousie University in 2003 and completed her postdoctoral training at the Institut de génétique et de biologie moleculaire et cellulaire of the Université Louis Pasteur in Strasbourg, France. She was appointed to the Department of Animal Science in the Faculty of Agricultural and Environmental Sciences in 2005 and is a tenured associate professor. She is an associate member of the Department of Pharmacology and Therapeutics at McGill. She holds a Tier II Canada Research Chair in Epigenetics, Reproduction and Development. Her independent and collaborative research programs have received peer reviewed funding from the Canadian Institutes of Health Research (CIHR), Genome Quebec, Fonds québéco de la recherche sur la nature et les technologies (FQRNT) and the National Sciences and Engineering Research Council (NSERC).

Globally the prevalence of diabetes, obesity and other chronic diseases such as cancer, and cardiovascular disease are on the rise. These increases have occurred at rates that cannot be due to changes in the genetic structure of the population and are likely caused by environmental factors that modify gene function via epigenetics. Kimmins leads a research program in determining how the environment (drugs, nutrients and toxicants) impacts the health of parents and offspring, with a focus on understanding the epigenome in development and disease. The epigeome is heritable layer of information that functions like a ‘switch’ to turn genes on or off. It is transmitted from one generation to the next in the gametes (sperm and egg). Her research involves long-term multi-generational studies to identify the mechanisms implicated in epigenetic inheritance. With her collaborators, she uses transgenic and environmental exposures in rodent models and human samples, in combination with next generation high-throughput technologies to identify the epigenetic signatures that can be transferred from one generation to the next. This is an emerging research area and to date there are only a handful of groups engaged in this kind of research. In 2013 her research group was the first to identify that a father’s diet has the ability to alter development of the embryo and highlights the importance of recognition that the father’s preconception health may be equally as important as the mother in terms of having healthy babies. In particular this research identified folate as a factor in male preconception health and its deficiency was associated with increased birth defects in offspring. This ongoing line of research has the potential to impact child health worldwide in terms of prevention of birth defects and chronic disease. This research was highlighted in international Media such as the Washington Post, the LA Times, The Guardian, Time, The Economist, The Globe and Mail, BBC UK, CBC and Global News. This line of research is on the verge of being translated into human studies, pending funding, for long-term studies to follow parents and their offspring in relation to environmental components such as diet and obesity.

Her expertise in epigenomics, development and reproduction is often sought and she serves as a peer reviewer for nation and international granting agencies and for general interest high impact journals as well as field specific journals. Kimmins is an active collaborator with researchers within McGill, Quebec and Internationally. She is extensively involved and a committed member of several international societies and serves on multiple society committees.
OUTSTANDING TRAINEE INVESTIGATOR AWARD

The Outstanding Trainee Investigator Award is given to the ASA trainee member with the best abstract and research presentation at the annual meeting. The award encourages trainee members to submit and present their best work and contribute to the scientific excellence of the society.

The recipient of the 2014 Outstanding Trainee Investigator Award will be announced during the Annual Business Meeting on Monday, April 7, 2014 at 5:00 p.m.

NEW INVESTIGATOR AWARD RECIPIENTS

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<td>Peter S. Albertson</td>
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<td>Randall S. Zane</td>
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<td>Tracy L. Rankin</td>
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OUTSTANDING TRAINEE INVESTIGATOR AWARD RECIPIENTS

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<td>Darius Paduch</td>
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<td>Tara Barton</td>
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<td>Andrew Major</td>
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<td>Mary Samplaski</td>
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THANK YOU TO DONORS & SPONSORS

The American Society of Andrology gratefully acknowledges these contributors to the various ASA Endowment or Asset Funds:

Gold Level
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Bayard T. Storey, PhD
Donna L. Vogel, MD, PhD
Christina Wang, MD

Silver Level
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Erwin Goldberg, PhD
Rex A. Hess, MS, PhD
Ronald W. Lewis, MD, FACS
Gail S. Prins, PhD
J. Lisa Tenover, MD, PhD

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Terry T. Turner, PhD

Annual Contributions for 2012 (through 11/29/12)

$1000+
Andrzej Bartke, PhD
Douglas T. Carrell, PhD
Anna Steinberger, PhD
Christina Wang, MD

$250 – $999
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Rex A. Hess, MS, PhD
Barry T. Hinton, PhD
J. Lisa Tenover, MD, PhD
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$100 – $249
F. Kent Hamra, PhD
Wylie C. Hembree, MD
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Bahnam Kazemi, MD
Michael A. Palladino, PhD
Bayard T. Storey, PhD
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International Society of Andrology
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EDUCATIONAL NEEDS & OBJECTIVES

39th Annual ASA Meeting

"Andrology Where Are We and Where Are We Going?"

Needs
Male fertility and sexual health are central to men’s health in general. Increasingly, new tools, approaches and therapies are becoming available with which to deal with the regulation of fertility and the improvement of health. The use of these modern approaches requires the integration of physiology, endocrinology, genetics, neurobiology and psychology, along with consideration of lifestyle and environmental exposures. There must be extensive interactions among clinicians and translational scientists in order to both recognize and treat clinical conditions related to male fertility and reproductive health.

The 39th Annual Meeting of American Society of Andrology will provide a forum for clinicians and basic scientists to exchange ideas and raise new clinically applicable questions that can lead to novel research directions and efficacious therapies. Renowned researchers working in the fields of urology, endocrinology, clinical andrology, genetics, reproductive medicine and reproductive biology will come together to present cutting edge developments in the physiological and molecular foundations of male reproductive function.

Educational Objectives
- Explain approaches to derive and use induced pluripotent stem cells both for understanding and treatment of a number of diseases of the male reproductive system.
- Describe the standards used for vasectomy and vasectomy reversal, and discuss the controversies that exist.
- Identify the mechanisms that regulate the formation of the stem cell pool in the testis from which spermatozoa ultimately are derived, and the stem cell-based techniques that have potential to generate or regenerate spermatogenesis and thus restore fertility.
- Describe the biochemical pathways that are altered with the occurrence of mutations in the testis that confer advantages to the cells that acquire them, how these pathways provide selective advantages that result in unexpectedly high incidence of the mutations and why particular mutations almost always originate in the father.
- Describe the identification and characterization of germ cell-specific genes that are required for spermatogenesis, and how the protein products of these genes might represent novel, druggable targets for contraception.
- Describe studies designed to determine whether the human prostate is sensitive to the environmental toxicant, bisphenol A, as is the case of the rodent prostate.
- Identify the criteria used by healthcare providers to provide testosterone replacement therapy to older male patients, including the potential benefits and risks.
- Describe how sperm maturation is regulated in the epididymis, and how the sperm become competent for fertilization in the female tract.
- Explain how testosterone production is regulated in the testis and brain, and what the long-term and short-term adverse effects are of altered testicular and neurosteroid levels.
- Identify the evidence for PSA screening in relationship to prostate cancer detection, including the arguments for and against a targeted screening approach.
- Describe pharmacogenetic approaches for the use of follicle-stimulating hormone in the treatment of hypogonadotropic hypogonadism and infertility.
- Describe the mechanistic relationships among environmental exposures and health risk, and the development of cost-effective approaches for efficiently prioritizing the toxicity testing of chemicals.

ASA SPECIAL SYMPOSIUM

Needs
Last year testosterone was one of the fastest growing medications in the United States. However, there continues to be several areas of controversy associated with this medication. Historically there has
been data to support that testosterone may be protective for cardiovascular disease. In fact, many studies have demonstrated that those men with low testosterone levels are much more likely to die from a cardiovascular event. However, recent data suggest that testosterone may be dangerous for cardiovascular health. The FDA has also recently stated that they will be investigating the risk of testosterone on cardiovascular health.

Today the main reason why clinicians do not prescribe testosterone is the fear that it may cause prostate cancer. However, there is no compelling data to support this. Many clinicians are unaware of the published data on testosterone and prostate cancer.

Finally many clinicians are still unaware that giving testosterone can reduce sperm counts. A recent AUA survey demonstrated at most Urologist would give men who are trying to conceive testosterone. Testosterone acts as a natural contraceptive and many clinicians still need to be educated on the impact of testosterone on fertility.

Educational Objectives
By the end of the ASA Symposium, attendees should be able to:

• Explain the controversy of testosterone and cardiovascular disease.
• Describe how testosterone affects the heart and overall cardiac function.
• Describe how to treat hypogonadal men who wish to preserve their fertility.
• Identify the cardiovascular and metabolic risks associated with low testosterone and how low testosterone is associated with an increased risk of mortality.
• Describe the published literature on testosterone and prostate cancer.
• Describe the effects of testosterone on the prostate and how testosterone can be used to treat men following radical prostatectomy.
• Explain how to recover sperm function in those men who have abused testosterone.

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ASA 40th Annual Conference
April 18 – 21, 2015
Little America Hotel
Salt Lake City, UT

Andrology Lab Workshop
April 18 – 19, 2015

Testis Workshop “Healthy Sperm/Healthy Children”
April 15 - 18, 2015

ASA Special Symposium
April 18, 2015