



WI-FI NETWORK: Westin_Conference PASSWORD: 2023ASA

American Society of Andrology

48TH ANNUAL CONFERENCE AGENDA

THE 21ST CENTURY MALE: PROMISES AND PROGRESS IN REPRODUCTION

APRIL 19-23

2023



WESTIN BOSTON SEAPORT ▪ BOSTON, MASSACHUSETTS



ANNUAL CONFERENCE AGENDA

THE 21ST CENTURY MALE: PROMISES AND PROGRESS IN REPRODUCTION

Program Chairs: *Martine Culty, PhD and Hooman Sadri, MD, PhD*Immediate Past President (Conference Chair): *Maria Christina W. Avellar, PhD**All sessions will be located in the Harbor Ballroom unless otherwise noted. Speakers/times are subject to change. All times listed in ET.*

THURSDAY, APRIL 20

8:00 AM – 7:15 PM	Registration/Information Desk Open Harbor Ballroom Foyer
4:00 PM – 9:00 PM	Exhibits Open Harbor Ballroom Foyer
2:00 PM – 4:30 PM	CLINICAL SYMPOSIUM - Lifestyle Modifications and Fertility Moderators: <i>Nicholas Deebel, MD – Wake Forest University</i> <i>Ryan Flannigan, MD – University of British Columbia</i>
2:00 PM	Introduction & Overview <i>Amin Herati, MD – Johns Hopkins University</i>
2:20 PM	Influence of Diet and Exercise on the Sperm Epigenome <i>Romain Barrès, PhD – University of Copenhagen</i>
2:50 PM	Diet, Obesity and Men's Contribution to Human Fertility <i>Jorge Chavarro, MD – Brigham and Women's Hospital/Harvard Medical School</i>
3:20 PM	BREAK
3:35 PM	Oral Abstract #1: In vitro Model to Study Cannabinoid Effects on Different Human Testicular Cell Types <i>Janmejay Hingu, MD – Wake Forest University School of Medicine</i>
3:45 PM	Oral Abstract #2: The Impact of Socioeconomic Status and Education Level on the Sperm Epigenome <i>Chad Pollard, BS – Brigham Young University</i>
3:55 PM	Oral Abstract #3: Can the Male Reproductive Morphophysiology be Altered by the Birth Route Dueto Changes in the Gut Microbiota and its Systemic Impacts in the Long Term? <i>Marcella Santiago, MS – Universidade Federal de São Paulo</i>
4:05 PM	Panel Discussion
5:00 PM – 5:30 PM	ASA PRESIDENT'S WELCOME - REFLECTIONS AND OPENING REMARKS
	ASA President: <i>Mark Sigman, MD – Brown Urology</i>
	ASA Immediate Past President (Conference Chair): <i>Maria Christina W. Avellar, PhD – Federal University of São Paulo - UNIFESP, Brazil</i>
	Program Chairs: <i>Martine Culty, PhD and Hooman Sadri, MD, PhD – University of Southern California & Wake Forest Baptist Health</i>
5:30 PM – 5:40 PM	ASA Educational Initiatives – Launch of the Handbook of Andrology (3rd Edition) Introducer: <i>Maria Christina W. Avellar, PhD – Federal University of São Paulo – UNIFESP, Brazil</i> Speaker: <i>Bernard Robaire, PhD – McGill University (Co-Editor)</i>
5:40 PM – 6:00 PM	ASA Distinguished Andrologist Award <i>Supported by the Eugenia Rosemberg Endowment Fund *Not CME Accredited</i> Introducer: <i>Kate Loveland, PhD – Monash University</i> Recipient: <i>Ewa Rajpert-De Meyts MD, PhD, DMSc – Copenhagen Univ Hosp, Dept of Growth & Reproduction</i>
6:00 PM – 7:00 PM	EMIL STEINBERGER MEMORIAL LECTURE: Andrology in the 21st Century: Androgens, Spermatogenesis and Male Contraception <i>Supported by the Emil Steinberger Endowment Fund</i> Introducer: <i>Maria Christina W. Avellar, PhD – Federal University of São Paulo - UNIFESP, Brazil</i> Speaker: <i>Christina Wang, MD – The Lundquist Institute at Harbor-UCLA Medical Center</i>
7:00 PM – 9:00 PM	ASA WELCOME RECEPTION Harbor Ballroom Foyer

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FRIDAY, APRIL 21	
6:00 AM - 6:45 AM	Social Activity - Let's Walk
6:30 AM - 8:00 AM	Past President's Breakfast Griffin
6:30 AM - 7:30 PM	Registration/Information Desk Open Harbor Ballroom Foyer
7:00 AM - 5:15 PM	Exhibits Open Harbor Ballroom Foyer
7:00 AM - 8:00 AM	Continental Breakfast in Exhibit Hall Harbor Ballroom Foyer
8:00 AM - 10:05 AM	SYMPOSIUM I: Post-testicular Influences on Reproductive Health and Male Fertility Moderators: <i>Gail Prins, PhD - University of Illinois at Chicago, Celine Augiere, PhD - Université Laval</i>
8:05 AM	Novel Therapeutic Strategies for Benign Prostatic Hyperplasia Using Transcriptomic and Genetic Approaches <i>Manisha Tripathi, PhD - Texas Tech University Health Sciences Center</i>
8:35 AM	Regulation of Prostate Androgens by Megalin and 25-hydroxyvitamin D Status: Implications for Prostate Cancer Disparity in African American Men <i>Larisa Nonn, PhD - University of Illinois</i>
9:05 AM	Epididymis and Epididymosome Contributions to Sperm Epigenome <i>Brett Nixon, PhD - University of Newcastle, School of Life Science</i>
9:35 AM	Oral Abstract #1: Extracellular Vesicles as Communicators of Stress-Mediated Allostasis at the Epididymis <i>Nickole Moon, BA - University of Maryland</i>
9:45 AM	Oral Abstract #2: Unravelling the Distribution and Role of the Primary Cilium in the Prostate Gland <i>Gabriel Campolina-Silva, MS, PhD - Université Laval</i>
9:55 AM	Oral Abstract #3: RBFOX2 Copy Number Variation Causes Hypospadias by Disrupting Mesenchymal to Epithelial Transition in Penis Development <i>Dolores J. Lamb, PhD, HCLD (ABB) - Center for Reproductive Medicine, Houston</i>
10:05 AM - 10:20 AM	BREAK
10:20 AM - 11:20 AM	RICHARD D. AMELAR LECTURE: The Aging Male: Outcomes of Testosterone Trials <i>Supported by the Richard D. Amelar Endowment Fund</i> Introducer: <i>Mark Sigman, MD - Brown Urology</i> Speaker: <i>Shalender Bhasin, MD - Brigham Women's Hospital</i>
11:20 AM - 11:40 AM	NATIONAL INSTITUTE OF HEALTH UPDATES
11:20 AM	NICHD Update <i>Travis Kent, PhD - National Institute of Child Health and Human Development</i>
11:30 AM	NIEHS Update <i>Thaddeus Schug, PhD - National Institute of Environmental Health Sciences</i>
11:40 AM - 11:55 AM	ANDROLOGY JOURNAL AWARD PRESENTATION: Comprehensive Analysis of Sperm DNA Fragmentation by Five Different Assays: TUNEL Assay, SCSA, SCD Test and Alkaline and Neutral Comet Assay Presenter: <i>Marie-Claude Hofmann, PhD - Editor-in-Chief, ANDROLOGY</i> Recipient: <i>Jordi Ribas Maynou, PhD - University of Girona</i>

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FRIDAY, APRIL 21	
12:00 PM - 1:30 PM	MENTORING LUNCHEON: Should I Stay or Should I Go - Some Thoughts About Decision Making at the Crossroad Carlton <i>Sponsored by the Diversity and Trainee Affairs Committees *Not CME Accredited</i> Moderators: <i>Carolina Jorgez, PhD - Baylor College of Medicine</i> <i>Pablo Visconti, PhD - University of Massachusetts</i> Panelists: <i>Mariano Buffone, PhD - Instituto de Biología y Medicina Experimental</i> <i>Celia Santi, MD, PhD - Washington University School of Medicine</i>
12:00 PM - 1:30 PM	EDITORIAL BOARD LUNCHEON Lewis
12:00 PM - 1:30 PM	LUNCH ON YOUR OWN
1:30 PM - 2:45 PM	POSTER SESSION I (Odd Numbers) Galleria <i>*Not CME Accredited</i>
2:45 PM - 4:50 PM	SYMPOSIUM II: Role of Cellular Networks in Testicular Functions Moderators: <i>Celia Santi, MD, PhD - Washington University School of Medicine</i> <i>Ashley Aluko, MD - Weill Cornell Medicine</i>
2:50 PM	Testicular Networks: Anything New in Testicular Cell Crosstalks? <i>William Walker, PhD - University of Pittsburgh</i>
3:20 PM	Mono-(2-Ethylhexyl) Phthalate (MEHP) Inhibits Steroid Biosynthesis in MA-10 Leydig Cells via a Mechanism Involving the Alteration of Mitochondria Functions <i>Kassim Traore, PhD - Campbell University</i>
3:50 PM	Epigenetic Hallmarks and Chromatin Remodeling in the Germ Line <i>Aurora Ruiz-Herrera, PhD - Universitat Autònoma de Barcelona, Spain</i>
4:20 PM	Oral Abstract #4: Testis-Specific Actin-Like 7A (ACTL7A) is an Indispensable Protein for Subacrosomal Associated F-Actin Formation, Acrosomal Anchoring, and Male Fertility <i>Pierre Ferrer, BS - Texas A&M University</i>
4:30 PM	Oral Abstract #5: The Mechanistic Basis for the Isoform-specific Requirement of Protein Phosphatase 1 Gamma 2 for Normal Sperm Function and Male Fertility <i>Marwan Shalih Maraicar, MS - Kent State University</i>
4:40 PM	Oral Abstract #6: Sperm-associated Antigen 6-like (SPAG6L) is Essential for Spermatogenesis and Male Fertility <i>Wei Li, MD - Wayne State University</i>
4:50 PM - 5:05 PM	BREAK
5:05 PM - 6:05 PM	DIVERSITY LECTURE: The Impact of the Dobbs Decision on Patients, Clinicians, and Researchers in Reproductive Medicine <i>Supported by the ASA Educational Endowment Fund</i> Moderators: <i>Carolina Jorgez, PhD - Baylor College of Medicine,</i> <i>Pablo Visconti, PhD - University of Massachusetts</i> Speakers: <i>Stephanie Page, MD, PhD - University of Washington,</i> <i>John Amory, MD, MPH, MSc - University of Washington</i>

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FRIDAY, APRIL 21	
6:05 PM - 7:35 PM	SYMPOSIUM III: Advances in Non-Cis Reproduction: New Family Dynamics Themes <i>(Clinical perspective on reproductive options available for transitioning, patients: Addressing the possibility of future genetic offspring during counselling.)</i> Moderators: <i>Juliana Perobelli, PhD - Federal University of Sao Paulo-UNIFESP, Brazil</i> <i>Gayatri Mohanty, PhD - University of Massachusetts</i>
6:10 PM	Sexual and Reproductive Health Care for Transgender Persons <i>Magnus R. Dias-da-Silva, MD, PhD - Federal University of São Paulo - UNIFESP, Brazil</i>
6:40 PM	Considerations in Reproductive Health for Transgender and Gender Diverse Patients <i>Jennifer R. Siegel, MD - Massachusetts General Hospital</i>
7:10 PM	Panel Discussion
7:35 PM - 9:00 PM	TRAINEE MIXER <i>Burroughs</i> Sponsored by Program Committee & Trainee Affairs Committee

ASA MAJOR AWARDS



DISTINGUISHED ANDROLOGIST AWARD

Supported by the Eugenia Rosenberg Endowment Fund

Ewa Rajpert-De Meyts MD, PhD, DMSc

Copenhagen University Hospital,
 Department of Growth & Reproduction



DISTINGUISHED SERVICE AWARD

Supported by the ASA Past Presidents Endowment Fund

Michael Palladino, PhD

Bloomfield College



MATTHEW P. HARDY YOUNG ANDROLOGIST AWARD

Supported by the Matthew P. Hardy Endowment Fund

Mary Samplaski, MD

University of Southern California



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SATURDAY, APRIL 22

6:00 AM - 6:45 AM	Social Activity - Let's Walk
6:30 AM - 6:00 PM	Registration/Information Desk Open Harbor Ballroom Foyer
7:00 AM - 5:15 PM	Exhibits Open Harbor Ballroom Foyer
7:00 AM - 8:00 AM	Continental Breakfast in Exhibit Hall Harbor Ballroom Foyer
8:00 AM - 10:05 AM	SYMPOSIUM IV: Male Fertility Problems - Is the Environment at Fault? Moderators: <i>YanHe Lue, MD - Harbor-UCLA Medical Center</i> <i>DruAnne Maxwell, BS - Wayne State University</i>
8:05 AM	Utility of a Sperm Epigenetic Clock: Understanding the Relation of Sperm Epigenetic Aging with Semen Parameters, Environmental Exposures, and Couples' Reproductive Success <i>Richard Pilsner, MD - Wayne State University</i>
8:35 AM	Impact of Nutrition and Aging on Male Fertility <i>Mirella L. Meyer-Ficca, PhD - Utah State University</i>
9:05 AM	Impact of Sleep Disturbances and Stress Hormones on Male Reproductive Health <i>Peter Liu, MBBS (Hons I), PhD - Harbor-UCLA Medical Center</i>
9:35 AM	Oral Abstract #7: Prevalence and Predictors of Testosterone Deficiency Among a National, Contemporary Cohort of Adult Men in the United States <i>John Hernandez, BA - Harvard Medical School</i>
9:45 AM	Oral Abstract #8: Interferon Epsilon: A Novel Anti-viral Agent in the Male Reproductive Tract <i>Rukmali Wijayarathna, PhD - Hudson Institute of Medical Research</i>
9:55 AM	Oral Abstract #9: Regulatory T-cell Depletion Results in Severe Male Subfertility <i>Ferran Barrachina, MS, PhD - Massachusetts General Hospital/Harvard Medical School</i>
10:05 AM - 10:20 AM	BREAK
10:20 AM - 11:20 AM	WOMEN IN ANDROLOGY LECTURE: Immunoprotective Sertoli Cells in Transplantation <i>Supported by the Women in Andrology Endowment Fund</i> Introducer: <i>WIA Chair, Jennifer Hughes, PhD - University of California, Davis</i> Speaker: <i>Jannette Dufour, PhD - Texas Tech University Health Sciences Center</i>
11:20 AM - 11:35 AM	ASA Distinguished Service Award <i>Supported by the ASA Past Presidents Endowment Fund *Not CME Accredited</i> Introducer: <i>George Gerton, PhD - Perlman School of Medicine/University of Pennsylvania</i> Recipient: <i>Michael Palladino, PhD - Bloomfield College</i>
11:35 AM - 11:55 AM	Current Educational Activities in Andrology Moderators: <i>Maria Christina W. Avellar, PhD - Federal University of São Paulo, UNIFESP, Brazil</i> <i>Roland Akhigbe, MD - Ladoke Akintola University of Technology, Ogbomosho, Oyo State, Nigeria</i>
12:00 PM - 1:30 PM	WOMEN IN ANDROLOGY LUNCHEON Carlton <i>Sponsored by the Women in Andrology Committee *Not CME Accredited</i> Host: <i>Jennifer Hughes, PhD - University of California, Davis</i> Conception Strategies That Avoid Semen Transmitted Infections <i>Ann A. Kiessling, PhD - Beth Israel Deaconess Medical Center</i>
12:00 PM - 1:30 PM	LUNCH ON YOUR OWN

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SATURDAY, APRIL 22

1:30 PM - 2:45 PM	POSTER SESSION II (Even Numbers) Galleria <i>*Not CME Accredited</i>
2:45 PM - 4:50 PM	SYMPOSIUM V: Male Sexual Dysfunction and Variations - From Developmental to Adult Moderators: <i>Kyle Orwig, PhD - University of Pittsburgh</i> <i>Amelia Pantazis, BS - University of South Carolina School of Medicine</i>
2:50 PM	What's New for Males with an Extra X?: Evidence-Based Clinical Care for Klinefelter Syndrome <i>Shanlee Davis, MD, PhD - University of Colorado - Denver</i>
3:20 PM	Mouse and Rat Models to Address Gaps in Fetal Testicular Phthalate Toxicity <i>Daniel Spade, PhD - Brown University</i>
3:50 PM	Querying the Sperm Genome to Treat Male Factor Infertility <i>Gianpiero Palermo, MD, PhD - Weill Cornell Medicine</i>
4:20 PM	Oral Abstract #10: An Approach to Address Iatrogenic Male Infertility and Disease Transmission in Mouse and Human Models of Sickle Cell Disease <i>Mitchell Harancher, BS - University of Pittsburgh School of Medicine</i>
4:30 PM	Oral Abstract #11: An Investigation of Genomic and Epigenomic Factors in Idiopathic Hypospermatogenesis <i>Nisha Sharma, PhD - All India Institute of Medical Sciences</i>
4:40 PM	Oral Abstract #12: Searching for Genetic Variants Related to Gonadal Development and Maintenance in Males with Late Testicular Regression Syndrome <i>Lucas Ferreira, PhD - Universidade Federal de São Paulo</i>
4:50 PM - 5:05 PM	BREAK
5:05 PM - 5:20 PM	Matthew P. Hardy Young Andrologist Award <i>Supported by the Matthew P. Hardy Endowment Fund *Not CME Accredited</i> Introducer: <i>Martine Culty, PhD - University of Southern California</i> Recipient: <i>Mary Samplaski, MD - University of Southern California</i>
5:20 PM - 6:20 PM	INTERNATIONAL LECTURE: Omics and Male Fertility <i>Supported by the ASA General Endowment Fund</i> Introducer: <i>Elisabetta Baldi, PhD - University of Florence</i> Speaker: <i>Stefan Du Plessis, PhD - MRBU, Dubai</i>
6:20 PM - 7:20 PM	ASA Annual Business Meeting
7:30 PM - 11:00 PM	ASA ANNUAL BANQUET Marina Ballroom



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SUNDAY, APRIL 23

6:00 AM - 6:45 AM	Social Activity - Let's Walk
6:30 AM - 1:00 PM	Registration/Information Desk Open Harbor Ballroom Foyer
7:00 AM - 8:00 AM	Continental Breakfast in Exhibit Hall Harbor Ballroom Foyer
8:00 AM - 9:35 AM	SYMPOSIUM VI: Immunology and Infectious Diseases of the Male Reproductive System Moderators: <i>Gail Cornwall, PhD - Texas Tech University Health Sciences Center</i> <i>Igor Coimbra, MD - Hospital das Clínicas FM USP</i>
8:05 AM	AIRE, Autoimmunity, and Male Fertility <i>Margaret Petroff, PhD - Michigan State University</i>
8:35 AM	Seminal Fluid and Female Immune Adaptation - Permissive and Inhibitory Signals <i>Sarah Robertson, PhD - University of Adelaide, Australia</i>
9:05 AM	Impact of SARS-CoV-2 on Male Reproductive Health <i>Jorge Hallak, MD, PhD - University of São Paulo, SP, Brazil</i>
9:35 AM - 9:50 AM	BREAK
9:50 AM - 11:25 AM	SYMPOSIUM VII: New Models of the 21st Century to Address Andrology Gaps Moderators: <i>Matthew Marcello, PhD - Pace University</i> <i>Isaac Stirland, BS - Brigham Young University</i>
9:55 AM	Wildlife and Domesticated Mammalian Reproductive Models <i>Budhan Pukazhenth, PhD - Smithsonian Conservation Biology Institute</i>
10:25 AM	Testicular Organoids for Modelling Spermatogenesis In vitro <i>Ina Dobrinski, PhD, DVM - University of Calgary</i>
10:55 AM	Role of TRIM28 in the Ovarian Maintenance <i>Francis Poulat, PhD - University of Montpellier, France</i>
11:25 AM - 12:25 PM	ASA PAST-PRESIDENTS LECTURE: Around the Bend with Peyronie's Disease <i>Supported by the ASA Past-Presidents Endowment Fund</i> Introducer: <i>Hooman Sadri, MD, PhD - Wake Forest Baptist Health</i> Speaker: <i>Wayne J.G. Hellstrom, MD - Tulane University School of Medicine</i>
12:25 PM - 12:45 PM	Outstanding Trainee Investigator and Trainee Awards <i>*Not CME Accredited</i> Moderator: <i>Martine Culty, PhD - University of Southern California</i>
12:45 PM - 12:55 PM	Closing Remarks / 49th ASA Meeting 2024 Highlights Moderator: <i>Mark Sigman, MD - Brown Urology</i>

THANK YOU 2023 INDUSTRY PARTNERS

PLATINUM

Fellow 

EXHIBITOR

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