**POSTER SESSION I**

*Not CME Accredited

Sunday, April 19, 2015
11:00 a.m. – 12:30 p.m.

Location: Grand Ballroom C

### Podium/Poster #1 MULTICELLULAR HUMAN TESTICULAR ORGANOID: A NOVEL IN VITRO GERM CELL AND TESTICULAR TOXICITY MODEL

Samuel Pendergraft, MS¹, Hooman Sadri-Ardekani, MD, PhD², Tanya Reid, BS³, Anthony Atala, MD² and Colin Bishop, PhD⁴

¹(1) Molecular Medicine and Translational Science Graduate Program, Wake Forest University Health Sciences, Winston-Salem, NC; ²Wake Forest Institute for Regenerative Medicine, Wake Forest School of Medicine, Winston-Salem, NC; ³(1) Wake Forest Institute for Regenerative Medicine, Wake Forest School of Medicine, Winston-Salem, NC; ⁴(1) Department of Urology, Wake Forest School of Medicine, Winston-Salem, NC

(Performed By: Samuel Pendergraft, MS)

### Podium/Poster #2 CONDITIONAL STEROIDOGENIC CELL-TARGETED DELETION OF THE TRANSLOCATOR PROTEIN (TSPO) UNVEILS ITS CRUCIAL ROLE IN VIABILITY AND HORMONE-DEPENDENT STEROID FORMATION

Andrew Midzak, PhD¹, Jinjiang Fan, PhD², Enrico Campioli, PhD, PharmD², Martine Culty, PhD² and Vassilios Papadopoulos, PhD, PharmD²

¹Res; ²Research Institute of the McGill University Health Centre

(Performed By: Andrew Midzak, PhD)

### Podium/Poster #3 EARLY-LIFE EXPOSURE TO AN ENVIRONMENTAL ORGANOCHLORINE MIXTURE REDUCES THE FERTILITY OF MALE RATS AND INDUCES DIFFERENTIAL EXPRESSION OF SPERM PROTEINS ACROSS MULTIPLE GENERATIONS IN A PATERNALLY-MEDIATED MANNER

Nancy Côté, PhD, Clotilde Maurice, PhD, Florence Roux-Dalvai, Msc, Arnaud Droit, PhD and Janice L. Bailey, PhD

Université Laval

(Performed By: Nancy Côté, PhD)

### Podium/Poster #4 MACROPHAGES AND DENDRITIC CELLS COOPERATE TO SURVEY THE EPIDIDYMAL LUMEN

Tegan Smith, PhD, Gabriel Courties, PhD, Claire Barton, BA, Matthias Nahrendorf, MD, PhD and Nicholas Da Silva, PhD

Massachusetts General Hospital and Harvard Medical School

(Performed By: Tegan Smith, PhD)

### Podium/Poster #5 THE SPLICING FACTOR RBM5 IS REQUIRED FOR SPERMATOGONIA DIFFERENTIATION

Duangporn Jamsai, PhD, Morgan Oatley, BSc, Anne O’Connor, BSc (Hons), Jo Merriner, BSc, Robin Hobbs, PhD and Moira O’Bryan, PhD

Monash University

(Performed By: Duangporn Jamsai, PhD)

### Podium/Poster #6 MECHANISM OF HYPOGONADISM IN THE TRANSGENIC SICKLE CELL MOUSE

Biljana Musicki, PhD, Hao Lin Chen, PhD, Yuxi Zhang, MD, Terry Brown, PhD, Barry Zirkin, PhD and Arthur Burnett, MD

Johns Hopkins University

(Performed By: Biljana Musicki, PhD)

### Podium/Poster #7 THE RISK OF CONGENITAL BIRTH DEFECTS IS NOT ASSOCIATED WITH SEMEN PARAMETERS OR MODE OF CONCEPTION IN OFFSPRING OF MEN VISITING A REPRODUCTIVE CLINIC

Michael Eisenberg, MD¹, Alexander W. Pastuszak, MD, PhD², Peter Langlois, PhD³, Karen Moffitt³, Dolores J. Lamb, PhD² and Larry I. Lipshultz, MD³

¹Stanford University; ²Baylor College of Medicine; ³Texas Department of State Health Services

(Performed By: Alexander W. Pastuszak, MD, PhD)

### Podium/Poster #8 EFFICACY AND PHARMACOKINETICS OF LPCN 1021, A NOVEL ORAL TESTOSTERONE REPLACEMENT THERAPY (TRT), IN OBESE AND NON-OBESE HYPOGONADAL MEN: STUDY OF ANDROGEN REPLACEMENT (SOAR)

Adrian Dobs, MD, MHS¹, Jed Kaminskiy, MD², Martin Miner, MD³, Anthony Delconte, MD³, Naniappan Chidambaram, PhD³, Satish Nachaugiri, MS³, Mahesh Patel, PhD³, Pavan Yadev, MD⁴ and Christina Wang, MD⁴

¹The Johns Hopkins University School of Medicine and Lipocine; ²University Urology Associates, New York, NY; ³Brown University and the Miriam Hospital, Providence, RI; ⁴Saint Joseph’s University, Philadelphia, PA; ⁵Lipocine, Inc.; ⁶Harbor-UCLA Medical Center and Los Angeles Biomedical Research Institute, Torrance, CA

(Performed By: Adrian Dobs, MD, MHS)

### Podium/Poster #9 CIGARETTE SMOKING AND THE SPERM EPIGENOME

Timothy Jenkins, PhD, Kenneth Aston, PhD, James Hotaling, MD, MS and Douglas Carrell, PhD

University of Utah

(Performed By: Timothy Jenkins, PhD)

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Podium/Poster #10 WHOLE-EXOME SEQUENCING IDENTIFIES NOVEL HOMOZYGOUS MUTATION IN NPAS2 IN FAMILY WITH NONOBSTRUCTIVE AZOOSPERMIA
Ranjith Ramasamy¹, M. Emre Bakircioglu, MD², Cenk Cengiz, BS¹, Ender Karaca, MD¹, Jason Scovell, BS¹, Matthew Bainbridge, PhD¹, James Lupski, PhD¹ and Dolores Lamb, PhD¹
¹Baylor College of Medicine; ²Bahçeci Fulya IVF Center, Istanbul, Turkey
(Presented By: Ranjith Ramasamy)

Podium/Poster #11 ENCLOMID AND TOPICAL TESTOSTERONE ELEVATE TESTOSTERONE IN HYPOGONADAL MEN BUT ENCLOMID DOES NOT DECREASE TESTES SIZE
Ronald Wiehle, PhD, Gregory Fontenot, PhD, Martin Sandel, BS and Jaye Thompson, PhD
Repros Therapeutics
(Presented By: Ronald Wiehle, PhD)

Podium/Poster #12 CONCENTRATIONS OF THE RETINOIC ACID SYNTHESIZING ENZYME ALDH1A2 ARE SIGNIFICANTLY REDUCED IN MEN WITH OLIGOZOOSPERMIA
John Amory, MD, MPH, Margarette Shnorhavorian, MD, MPH, Samuel Arnold, MD, Faith Stevison, BS, Nina Isoherranen, PhD, Thomas Walsh, MD, MPH and Charles Muller, PhD
University of Washington
(Presented By: John Amory, MD, MPH)

Poster #13 INVESTIGATIONS ON THE EFFECTS OF TYPHA CAPENSIS ON TM3 LEYDIG CELLS
Abdulkarem Ilfergane, MSc, Nicole Haines-Arries, MSc, Leonardo van Zyl, MSc and Ralf Henkel, PhD
University of the Western Cape
(Presented By: Ralf Henkel, PhD)

Poster #14 WHO WERE THE PATIENTS ON TESTOSTERONE THAT HAD MYOCARDIAL INFARCTIONS? THE LOW T EXPERIENCE
Kelly Cook, MPAS, PA-C¹, William Reilly, MD¹ and Robert Tan, MD, MBA²,³
¹Low T Center; ²Opal Medical Clinic; ³Low T Institute
(Presented By: Kelly Cook, MPAS, PA-C)

Poster #15 ANDROGENIC EFFECT OF CINNAMON ZEYLANICUM ON SPERMATOGENESIS
Arash Khaki, PhD
Department of Pathobiology, Tabriz Branch, Islamic Azad University, Tabriz, Iran.
(Presented By: Arash Khaki, PhD)

Poster #16 EFFECTS OF ORGANOPHOSPHATE FLAME RETARDANTS ON LEYDIG CELL FUNCTION
Gauthier Schang, Barbara F. Hales, PhD and Bernard Robaire, PhD
Department of Pharmacology and Therapeutics, McGill University
(Presented By: Gauthier Schang)

Poster #17 FINASTERIDE 1MG/DAILY CONSUMPTION IMPAIRS SPERMATOGENESIS BY HISTOLOGICAL EVALUATION AND SEMEN QUALITY IN MEN IN REPRODUCTIVE AGE
Juliana Pariz, MSc, PhD student¹,² and Jorge Hallak, MD, PhD¹,²
¹Androscience; ²Universidade de São Paulo
(Presented By: Juliana Pariz, MSc, PhD student)

Poster #18 EFFECT OF ALCOHOL CONSUMPTION ON MALE REPRODUCTIVE POTENTIAL
Artemis da Silva, BSc¹,², Juliana Pariz, MSc, PhD student¹,² and Jorge Hallak, MD, PhD¹,²
¹Androscience; ²Universidade de São Paulo
(Presented By: Artemis da Silva, BSc)

Poster #19 YOGA AND MEDITATION - THERAPEUTIC FOR SPERM DNA HEALTH
Shiv Basant Kumar, MSc¹, Bhavna Chawla, MD², Raj Kumar Yadav, MD², Surabhi Gautam, MSc and Rima Dada, MD, PhD²
¹Laboratory for molecular reproduction and genetics, Department of Anatomy, All India Institute of Medical Sciences, New Delhi, India.; ²Ocular Oncology & Pediatric Ophthalmology Service, Rajendra Prasad Centre for Ophthalmic Sciences; ³Integral Health Clinic, Department of Physiology, All India Institute of Medical Sciences, New Delhi, India; ⁴Laboratory for molecular reproduction and genetics, Department of Anatomy, All India Institute of Medical Sciences, New Delhi, India
(Presented By: Shiv Basant Kumar, MSc)
Poster #20 GENITOURINARY INFECTION ALTERS SEMEN PARAMETERS AND INCREASES PRESENCE OF ANTI-SPERM ANTIBODIES
Tábata Martins, BSc student¹,²,³, Juliana Pariz, MSc, PhD student¹,², Rosa Alice Monteiro, BSc¹,² and Jorge Hallak, MD, PhD¹,²
¹Androscience; ²Universidade de São Paulo; ³Faculdades Metropolitanas Unidas
(Presented By: Tábata Martins, BSc student)

Poster #21 CHARACTERIZATION OF PRIMARY CULTURES OF ADULT HUMAN EPIDIDYMIS EPITHELIAL CELLS
Shih-Hsing Leir, PhD¹, James Browne, PhD¹, Scott Eggener, MD² and Ann Harris, PhD¹
¹Human Molecular Genetics Program, Lurie Children’s Research Center/Northwestern University Feinberg School of Medicine, Chicago, IL; ²Section of Urology, University of Chicago Medical Center, Chicago, IL
(Presented By: Shih-Hsing Leir, PhD)

Poster #22 COMPARATIVE ANALYSIS OF EPIDIDYMIS TRANSCRIPTOME IN FERTILE AND SUBFERTILE BULL
Christine Legare, MSc¹, Ayodélé Akintayo, MSc¹, Patrick Blondin, PhD² and Robert Sullivan, PhD¹
¹Laval University; ²L’Alliance Boviteq
(Presented By: Christine Legare, MSc)

Poster #23 CONTRIBUTION OF PRINCIPAL AND CLEAR CELLS IN THE REGULATION OF LUMINAL PH IN THE MOUSE EPIDIDYMIS
Yoo-Jin Park, PhD, Bong-Ki Kim, PhD and Sylvie Breton, PhD
Massachusetts General Hospital
(Presented By: Yoo-Jin Park, PhD)

Poster #24 TESTICULAR FLUID REGULATES APICAL BLEBBING IN THE PORCINE EPIDIDYMIS
Jennifer Hughes and Trish Berger, PhD
UC Davis
(Presented By: Jennifer Hughes)

Poster #25 DIFFERENTIAL PLATING RATIO OF NON-ADHERENT TO ADHERENT CELLS ISOLATED FROM AN AZOOSPERMIC MICRO TESTICULAR TISSUE EXTRACTION (MICROTESE) SAMPLE HAS A PROFOUND EFFECT ON IN VITRO GERM CELL COLONY FORMATION
Itai Gat¹,², Leila Maghen³, Ekaterina Shlush³, Hanna Balakier¹, Andrée Gauthier-Fisher¹, Keith Jarvi³, Kirk C. Lo³ and Clifford Librach¹,²,³,⁴,⁵,⁶
¹The Create Fertility Centre, 790 Bay Street, Suite 1100, Toronto M5G 1N8, Canada; ²Talpiot Medical Leadership Program, Sheba Medical Center, Ramat Gan, Israel; ³Department of Urology, Mount Sinai Hospital; ⁴Department of Obstetrics and Gynecology; ⁵Department of Physiology, University of Toronto; ⁶Department of Gynecology, Women’s College Hospital, Toronto, Ontario
(Presented By: Itai Gat)

Poster #26 REQUIREMENT FOR MOV10L1 RNA HELICASE ACTIVITY IN THE PROCESSING OF PIRNA PRECURSORS
Qi Fu, Anastassios Vourekas, PhD¹, Ke Zheng, PhD², Erica Goode and P. Jeremy Wang, PhD¹
¹The University of Pennsylvania; ²Nanjing Medical University School
(Presented By: Qi Fu)

Poster #27 SEMEN PARAMETERS, PATIENT CHARACTERISTICS, AND ASSOCIATED SPERM EPIGENETIC PROFILES
Timothy Jenkins, PhD, Kenneth Aston, PhD, James Hotaling, MD, MS and Douglas Carrell, PhD
University of Utah
(Presented By: Timothy Jenkins, PhD)

Poster #28 AN ASSOCIATION BETWEEN THE GLUCOSE TRANSPORTER GLUT3 AND MALE INFERTILITY
Alexander W. Pastuszak, MD, PhD, Carolina Jorgez, PhD, Larry I. Lipshultz, MD and Dolores J. Lamb, PhD
Baylor College of Medicine
(Presented By: Alexander W. Pastuszak, MD, PhD)

Poster #29 PATERNAL FACTORS IN EARLY EMBRYONIC DEVELOPMENT
Manoj Kumar, MSc¹, Dipika Deka, MD², Vatsala Dadhwal, MD² and Rima Dada, PhD¹
¹Laboratory for Molecular Reproduction and Genetics, Department of Anatomy, All India Institute of Medical Sciences, New Delhi 110 029, India; ²Department of Obstetrics and Gynaecology, All India Institute of Medical Sciences, New Delhi 110 029, India
(Presented By: Manoj Kumar, MSc)
Poster #30 EXPRESSION OF SELECTED MICRORNAS LOCATED ON THE X CHROMOSOME IN KLINEFELTER SYNDROME
Jennifer Reifsnyder, MD, Anna Mielnik, MS, Peter Schlegel, MD and Darius Paduch, MD, PhD
New York Presbyterian Hospital-Weill Cornell Medical Center
(Presented By: Jennifer Reifsnyder, MD)

Poster #31 LIFETIME FOLATE DEFICIENCY AND SUPPLEMENTATION INDUCES ABERRANT SPERM DNA METHYLATION AND REPRODUCTIVE HEALTH
Lundi Ly, BSc¹, Donovan Chan², Mylene Landry³, Nathalie Behan⁴, Amanda MacFarlane⁵ and Jacquetta Trasler⁶
¹Department of Human Genetics, McGill University, Montreal, QC, Canada; ²Research Institute of the McGill University Health Centre at the Montreal Children’s Hospital; ³Health Canada, Ottawa ON, Canada; ⁴Departments of Human Genetics, Pediatrics, and Pharmacology and Therapeutics, McGill University
(Presented By: Lundi Ly, BSc)

Poster #32 IMPACT OF HIGH DOSE FOLATE SUPPLEMENTATION ON THE HUMAN AND MOUSE SPERM EPIGENOME
Mahmoud Aarabi, MD, PhD¹, Maria C. San Gabriel, PhD²,³, Donovan Chan, PhD⁴, Armand Zini, MD²,³ and Jacquetta Trasler, MD, PhD⁵
¹Department of Human Genetics, McGill University and Research Institute of the McGill University Health Centre at the Montreal Children’s Hospital, Montreal, QC; ²Division of Urology, Department of Surgery, McGill University; ³Research Institute of the McGill University Health Centre at the Royal Victoria Hospital, Montreal, QC; ⁴Research Institute of the McGill University Health Centre at the Montreal Children’s Hospital, Montreal, QC; ⁵Departments of Human Genetics, Pediatrics and Pharmacology & Therapeutics, McGill University and Research Institute of the McGill University Health Centre at the Montreal Children’s Hospital
(Presented By: Mahmoud Aarabi, MD, PhD)

Poster #33 THE IMPACT OF LEUKOCYTOSPERMIA ON CHROMATIN CONDENSATION, STRUCTURE INTEGRITY, DNA FRAGMENTATION AND CORRELATION WITH OTHER SPERM PARAMETERS
Ruben Burnazyan, MD, PhD and Mohamed Hammadeh, Prof
(Presented By: Ruben Burnazyan, MD, PhD)

Poster #34 CAFFEINE AND MELATONIN SUPPLEMENTATION IMPROVES MOTILITY PARAMETERS AND MITOCHONDRIAL ACTIVITY IN POST-THAW SEMINAL SAMPLES: INITIAL REPORT
Juliana Pariz, MSc, PhD student¹,² and Jorge Hallak, MD, PhD³,²
¹Androscience; ²Universidade de São Paulo
(Presented By: Juliana Pariz, MSc, PhD student)

Poster #35 SPERM GENOME: IMPLICATIONS IN ART FAILURE AND IDIOPATHIC MALE INFERTILITY
Swetasmita Mishra, MSc¹, Rajeev Kumar, MD², Neena Malhotra, MD³ and Rima Dada, MD, PhD⁴
¹PhD Scholar; ²Department of Urology, AIIMS; ³Department of Obs. & Gyn., AIIMS; ⁴Department of Anatomy
(Presented By: Swetasmita Mishra, MSc)

Poster #36 INFERTILITYDB DATABASE: A UNIFIED POINT OF ACCESS TO KNOWLEDGE OF KNOCKOUT MOUSE MODELS OF MALE INFERTILITY
Burak Özkösem, PhD
Arizona State University
(Presented By: Burak Özkösem, PhD)

Poster #37 WHY ME? LIVE EXPERIENCE OF MEN UNDERGOING INFERTILITY TREATMENT
Anshu Baranwal and Aparajita Chattopadhyay, PhD
International Institute for Population Sciences, Mumbai, India
(Presented By: Anshu Baranwal)

Poster #38 PROFILE DIAGNOSIS OF PATIENTS IN A PRIVATE SEMEN BANK
Artemis da Silva, BSc¹,², Juliana Pariz, MSc, PhD student¹,² and Jorge Hallak, MD, PhD³,²
¹Androscience; ²Universidade de São Paulo
(Presented By: Artemis da Silva, BSc)

Poster #39 WORLD HEALTH ORGANIZATION GUIDELINES AND ITS INFLUENCE IN CONDUCT OF VARICOCELE TREATMENT
Tábatha Martins, BSc student¹,²,³, Juliana Pariz, MSc, PhD student⁴,² and Jorge Hallak, MD, PhD³,²
¹Androscience; ²Universidade de São Paulo; ³Faculdades Metropolitanas Unidas
(Presented By: Tábatha Martins, BSc student)

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Poster #40 FLOW CYTOMETRIC EVALUATION OF DNA CONTENT FOR CLASSIFICATION OF NON-OBSTRUCTIVE AZOOSPERMIA MTESE SAMPLES
Ekaterina Shlush, MD,1,2 Sergey I. Moskovtsev, MD, PhD1,2, Melissa Felice, MSc1, Andree Gauthier-Fisher, PhD1, Hanna Balakier, PhD1, Keith Jarvi1, Kirk C. Lo1 and Clifford L. Librach1,2,4
1CreAte Fertility Centre, Toronto, Canada; 2Department of Obstetrics and Gynecology, University of Toronto, Toronto, Canada; 3Department of Urology, Mount Sinai Hospital; 4Department of Gynecology, Women’s College Hospital, Toronto, Canada
(Presented By: Ekaterina Shlush, MD)

Poster #41 THERAPEUTIC POTENTIAL OF MUCUNA PRURIENS (LINN.) ON ERECTILE DYSFUNCTION DUE TO SCHWANN CELL DAMAGE IN DORSAL NERVE OF PENIS INDUCED BY AGEING
Prakash Seppan, PhD, Ibrahim Muhammed, PhD, Karthik Ganesh Mohanraj, MSc, Ganesh Lakshmanan, MSc, Dinesh Premavathy, MSc, Sakti Jothi Muthu, MSc and Khayinmi Wungpam Shimray, MSc
University of Madras
(Presented By: Prakash Seppan, PhD)

Poster #42 IMPROVEMENTS IN PATIENT REPORTED SEXUAL FUNCTION AFTER MICRO SURGICAL VARICOCELECTOMY
Bobby Najari, MD, Leonard Introna and Darius Paduch, MD, PhD
Weill Cornell Medical College
(Presented By: Bobby Najari, MD)

Poster #43 HIGH PREVALENCE OF ERECTILE AND EJACULATORY DYSFUNCTION IN MEN WITH OPIOID INDUCED ANDROGEN DEFICIENCY
Bobby Najari, MD1, Matthew Wosnitzer, MD2, Peter Schlegel, MD1 and Darius Paduch, MD, PhD1
1Weill Cornell Medical College; 2Northeast Medical Group - Yale New Haven Health
(Presented By: Bobby Najari, MD)

Poster #44 EFFECT OF AQUEOUS CISSAMPELOS CAPENSIS EXTRACT ON PROSTATE CANCER, LEYDIG AND SERTOLI CELL FUNCTION
Keenau Pearce, MSc1, Donavon Hiss, PhD1, Frans Weitz, MSc1, Uta-Christina, Hippler, PhD2, Cornelia Wiegand, PhD2 and Ralf Henkel, PhD1
1University of the Western Cape; 2University of Jena
(Presented By: Ralf Henkel, PhD)

Poster #45 RAPID METHOD FOR THE ISOLATION OF SPERM DNA
Haotian Wu, Matthew de Gannes, Gianna Luchetti and J. Richard Pilsner
Department of Environmental Health Sciences, UMass Amherst
(Presented By: Haotian Wu)

Poster #46 WITHDRAWN

Poster #47 ASSOCIATION BETWEEN PROSTATE-SPECIFIC ANTIGEN AND BIOMARKERS OF SUBCLINICAL SYSTEMIC INFLAMMATION IN MIDDLE-AGE HEALTHY MEN FROM THE GENERAL POPULATION
Saad Elzanaty, MD, PhD, Babak Rezanezhad, MD, Ronnie Willenheimer, MD, PhD and Rasmus Borgquist, MD, PhD
(Presented By: Saad Elzanaty, MD, PhD)

Poster #48 DO FAMILY MEMBERS OF INFERTILE MEN HAVE AN INCREASED RISK OF CANCER?
Ross Anderson, MD, MCR¹, Heidi Hanson, PhD², Mitchell Bassett, MD³, Chong Zhang, MS¹, Angela Presson, PhD⁴, Kenneth Aston, PhD⁵, William Lowrance, MD, MPH⁶, Douglas Carrell, PhD⁷, Ken Smith, PhD⁸ and James Hotaling, MD, MS¹
¹University of Utah, Department of Surgery, Division of Urology; ²University of Utah, Department of Family and Preventive Medicine, Population Sciences, Huntsman Cancer Institute; ³University of Utah, Department of Family and Preventive Medicine Chong.Zhang@hsc.utah.edu; ⁴University of Utah, Department of Family and Preventive Medicine; ⁵University of Utah, Department of Surgery, Andrology and IVF Laboratories; ⁶University of Utah, Department of Surgery, Huntsman Cancer Institute; ⁷University of Utah, Department of Surgery, Director of IVF and Andrology Laboratories; ⁸University of Utah, Population Sciences, Huntsman Cancer Institute
(Presented By: Ross Anderson, MD, MCR)

Poster #49 EFFECT OF SPERM DNA DAMAGE ON ART OUTCOMES: A SYSTEMATIC REVIEW AND META-ANALYSIS
Luke Simon, PhD¹, Armand Zini, MD² and Douglas Carrell, PhD¹
¹University of Utah; ²St Mary’s Hospital Center
(Presented By: Luke Simon, PhD)
Poster #50 SPERM CHROMATIN QUALITY ASSESSMENT: OPTIMIZATION OF THE HIGH THROUGHPUT COMET ASSAY
Océane Albert, PhD¹, Robert G. Berger, PhD¹, Wolfgang Reintsch, PhD¹, Barbara F. Hales, PhD¹ and Bernard Robaire, PhD²
¹Department of Pharmacology & Therapeutics, McGill University, Montreal, QC, Canada; ²Departments of Pharmacology & Therapeutics and of Obstetrics & Gynecology, McGill University, Montreal, QC, Canada
(Presented By: Océane Albert, PhD)

Poster #51 ROLE OF SPERM THIOLS' REDOX STATUS IN KEEPING RAT SPERM QUIESCENT IN CAUDA EPIDIDYMIS
Santosh Yadav, PhD, Lokesh Kumar, MSc, Aastha Pandey, MSc, Bhavana Kushwaha, MSc, Jagdamka Maikhuri, PhD and Gopal Gupta, PhD
CSIR-Central Drug Research Institute, Lucknow, UP, India
(Presented By: Santosh Yadav, PhD)

Poster #52 ENERGY METABOLISM OF QUIESCENT SPERM IN CAUDA EPIDIDYMIS OF RAT
Lokesh Kumar, MSc, Santosh Yadav, PhD, Vikas Verma, MSc, Aastha Pandey, MSc, Bhavana Kushwaha, MSc, Vikas Sharma, MSc, Jagdamka Maikhuri, PhD and Gopal Gupta, PhD
CSIR-Central Drug Research Institute, Lucknow, UP, India
(Presented By: Lokesh Kumar, MSc)

Poster #53 CRYOPRESERVATION OF SPERMATOZOA: DO PERMEABLE CRYOPROTECTANTS IMPROVE MOTILE SPERM YIELDS?
Cigdem Tanrikut, MD, Jie Liu, PhD, Diane Wright, PhD, Gloria Lee, MA, Mehmet Toner, PhD and Thomas Toth, MD
Massachusetts General Hospital
(Presented By: Cigdem Tanrikut, MD)

Poster #54 THE IMPACT OF OXIDATIVE STRESS ON CHAPERONE-MEDIATED HUMAN SPERM-EGG INTERACTION
Brett Nixon, Elizabeth Bromfield, BBiotechnology (Hons) and R. John Aitken, BSc, MSc, PhD
The University of Newcastle
(Presented By: Brett Nixon)

Poster #55 LOWER SEMEN QUALITY AS A MARKER FOR INCREASED FAMILIAL MORTALITY
Mitchell Bassett, MD¹, Heidi Hanson, PhD², Ross Anderson, MD, MCR¹, Kenneth Aston, PhD², Douglas Carrell, PhD³, Ken Smith, PhD⁴ and James Hotaling, MD, MS¹
¹University of Utah, Department of Surgery, Division of Urology; ²University of Utah, Department of Family and Preventive Medicine, Population Sciences, Huntsman Cancer Institute; ³University of Utah, Department of Surgery, Director of IVF and Andrology Laboratories; ⁴University of Utah, Population Sciences, Huntsman Cancer Institute
(Presented By: Mitchell Bassett, MD)

Poster #56 PROTEOMIC PROFILING OF HUMAN SPERMATOZOA PROTEIN IN RECURRENT PREGNANCY LOSS AND ITS CORRELATION TO OXIDATIVE STRESS
Gayatri Mohanty, MPhil¹, Nirlipta Swain, MPhil¹, Luna Samanta, PhD¹ and Sujata Kar, MD²
¹Department of Zoology, Redox Biology Laboratory, Ravenshaw University, Cuttack, Odisha, India; ²Kar Clinic and Hospital, Bhubaneswar, Odisha, India
(Presented By: Gayatri Mohanty, MPhil)

Poster #57 AUTOMATIC SPERM TRACKING AND ANALYSIS OF SWIMMING PATTERN TRANSITIONS
Leonardo Urbano, PhD¹, Puneet Masson, MD², Matthew VerMilyea, PhD² and Moshe Kam, PhD³
¹Drexel University; ²Penn Fertility Care, Hospital of the University of Pennsylvania; ³College of Engineering, New Jersey Institute of Technology
(Presented By: Leonardo Urbano, PhD)

Poster #58 EFFECT OF RESVERATROL ON SPERMATIC PARAMETERS OF ADULT RATS SUBMITTED TO EXPERIMENTAL VARICOCELE INDUCED IN THE PERIPUBERTY
Talita B. Mendes, Master Student¹, André C. Vaz, Master Student², Camila C. Paccola, Doctoral Student², Taiza Stumpp, Doctor² and Sandra M. Miraglia, Doctor²
¹Federal University of Sao Paulo - Unifesp - Brazil; ²Unifesp
(Presented By: Talita B. Mendes, Master Student)

Poster #59 EFFECTS OF BETAINES SUPPLEMENTATION ON SPERM FUNCTIONAL PARAMETERS IN HUMANS AND MICE WITH DEFECTS IN CHOLINE METABOLISM
Summer Goodson, PhD³, Martin Kohlmeier, MD³ and Steven Zeisel²
¹UNC Chapel Hill Nutrition Research Institute; ²UNC Chapel Hill Nutrition Research Institute and Department of Nutrition, UNC Chapel Hill
(Presented By: Summer Goodson, PhD)
Poster #60 ORIGIN OF THE STEROIDOGENIC POOL OF CHOLESTEROL USED IN CAMP-INDUCED ACUTE STEROID FORMATION
Sathvika Jagannathan, MSc¹, Seimia Chebbi, BSc², Françoise Hullin-Matsuda, PhD³, Toshihide Kobayashi, PhD³ and Vassilios Papadopoulos, PhD⁴
¹Research Institute of the McGill University Health Centre and Department of Medicine, McGill University; ²Lipid Biology Laboratory, RIKEN Advanced Science Institute, Wako, Saitama, Japan
(Presented By: Sathvika Jagannathan, MSc)

Poster #61 HENMT1 IS INVOLVED IN THE STABILIZATION OF PACHYTENE PIRNAS, RETROTRANSPOSON SILENCING AND REGULATING THE SPERMIOPGENIC PROGRAM
Shu Ly Lim, PhD¹, Duangporn Jamais, PhD², Hamish S. Scott, PhD³, Anna-Lena Hempfling, Msc⁵, Martin Bergmann, PhD⁵, David L. Adelson, Phd⁶ and Moira K. O'Bryan, PhD²
¹Monash University; ²Department of Anatomy and Developmental Biology, Monash University, Vic, Australia; ³School of Molecular and Biomedical Science, University of Adelaide, SA, Australia 3. Department of Molecular Pathology and; ⁴ACRF Cancer Genomics Facility, Centre for Cancer Biology, SA pathology, Australia; ⁵Institute of Veterinary Anatomy, Histology and Embryology, Justus Liebig University Giessen; ⁶School of Molecular and Biomedical Science, University of Adelaide, SA, Australia
(Presented By: Shu Ly Lim, PhD)

Poster #62 ACETAMINOPHEN VERSUS IBUPROFEN: EFFECTS ON NEONATAL TESTICULAR GONOCYTE DEVELOPMENT
Gurpreet Manku, PhD¹, Philipppos Papadopoulos² and Martine Culty, PhD¹
¹The Research Institute of the McGill University Health Centre, and the Departments of Pharmacology & Therapeutics, and Medicine, McGill University, Montreal, Quebec, Canada; ²Research Institute of the McGill University Health Centre, Montreal, Quebec, Canada
(Presented By: Gurpreet Manku, PhD)

Poster #63 NOVEL ACTION OF FOLLICLE STIMULATING HORMONE (FSH) ON MOUSE TESTICULAR STEM CELLS
Hiren Patel, MSc and Deepa Bhartiya, PhD
Stem Cell Biology Department, National Institute for Research in Reproductive Health, Jehangir Merwanji Street, Parel, Mumbai 400 012, INDIA
(Presented By: Hiren Patel, MSc)

Poster #64 IMPORTANCE OF SOMATIC NICHE IN REGULATING TESTICULAR STEM CELLS DIFFERENTIATION INTO SPERM
Sandhya Anand, MSc, Kalpana Sriraman, PhD, Hiren Patel, MSc, Smita Bhutda, MSc and Deepa Bhartiya, PhD
Stem Cell Biology Department, National Institute for Research in Reproductive Health, Jehangir Merwanji Street, Parel, Mumbai 400 012, INDIA.
(Presented By: Sandhya Anand, MSc)

Poster #65 GHRELIN-INDUCED ATTENUATION OF TESTICULAR DAMAGE IN MOUSE CRYPTORCHID TESTES
Enrica Bianchi, PhD¹, Mark Sigman, MD, PhD³, Kim Boekelheide, MD, PhD³ and Kathleen Hwang, MD, PhD²
¹Division of Urology, Brown University; ²Division of Urology, Brown University.; ³Department of Pathology and Laboratory Medicine, Brown University.
(Presented By: Enrica Bianchi, PhD)

Poster #66 LATE EFFECT OF NICOTINE ON THE SEMINIFEROUS EPITHELIUM OF THE OFFSPRING FROM RAT DAMS TREATED THROUGHOUT PREGNANCY AND LACTATION
Camila Paccola, doctoral student, Flavia Neves, doctoral student and Sandra Miraglia, Doctor
Federal University of Sao Paulo
(Presented By: Camila Paccola, doctoral student)

Poster #67 REQUIREMENT FOR ADENOSINE DEAMINASE CONTAINING PROTEINS IN MALE GERM CELL DEVELOPMENT
Elizabeth Snyder, PhD, Anuj Srivastava, PhD and Robert Braun, PhD
The Jackson Laboratory
(Presented By: Elizabeth Snyder, PhD)

Poster #68 VITAMIN B12-INDUCED SPERMATOGENIAL MITOTIC ACTIVITY IN THE TESTES OF CIMETIDINE-TREATED RATS
Flavia Luciana Beltrame, PhD¹, Estela Sasso-Cerri, PhD² and Paulo Sérgio Cerri, PhD²
¹Department of Morphology and Genetics. Federal University of São Paulo - UNIFESP; ²Department of Morphology. São Paulo State University - UNESP
(Presented By: Flavia Luciana Beltrame, PhD)
*POSTER SESSION II

*Not CME Accredited

Monday, April 20, 2015
11:15 a.m. – 12:30 p.m.
Location: Grand Ballroom C

Poster #69 MEF2 AND COUP-TFII COOPERATE TO REGULATE AKR1C14 GENE EXPRESSION IN MOUSE MA-10 LEYDIG CELLS
Mickael Di-Luoffo, MSc, Catherine Brousseau, MSc, Raifish E. Mendoza-Villarroel, PhD and Jacques J. Tremblay, PhD
CRCHUQ-Universite Laval
(Presented By: Mickael Di-Luoffo, MSc)

Poster #70 CURCUMIN TARGETS RAT TESTICULAR 11-HYDROXYSteroid dehydrogenase 1 TO ANTAGONIZE AGAINST STRESS-INDUCED INHIBITION OF TESTOSTERONE
Xiaoheng Li, MS, Qiqi Zhu, MS, Xiudi Wang, MD, Shuyan Cao, MS, Ying Wu, MS, Haifang Ge, BS, Linxi Li, PhD, Kaimin Yuan, MD, Han Lin, MD, Hong-yu Zhou, PhD, Qingquan Lian, MD and Ren-shan Ge, MD
The Second Affiliated Hospital, Wenzhou Medical University
(Presented By: Xiaoheng Li, MS)

Poster #71 HUMAN CHORIONIC GONADOTROPIN SUPPLEMENTAL DOSING OPTIMIZATION FOR THE MAINTENANCE OF MALE FERTILITY WHILE ON LONG TERM TESTOSTERONE REPLACEMENT OVER 4 YEARS
George Toth, MD
TGH, OV AMC
(Presented By: George Toth, MD)

Poster #72 HOW LONG SHOULD HYPOGONADAL SUBJECTS BE TREATED? INTERMISSION AND RESUMPTION OF LONG-TERM TESTOSTERONE REPLACEMENT THERAPY (TRT) AND EFFECTS ON HORMONAL AND ANTHROPOMETRIC PARAMETERS IN HYPOGONADAL ELDERLY MEN
Farid Saad, DVM, PhD¹, Aksam Yassin, MD, PhD², Yousef Al Mehmadi, MD, PhD³, Gheorghe Doros, PhD³ and Abdulmaged Traish, PhD⁴
¹Global Medical Affairs Andrology, Bayer Pharma AG, Berlin, Germany; ²Institute of Urology and Andrology; ³Boston University School of Public Health; ⁴Boston University School of Medicine
(Presented By: Farid Saad, DVM, PhD)

Poster #73 INTERMISSION AND RESUMPTION OF LONG-TERM TESTOSTERONE REPLACEMENT THERAPY (TRT) AND EFFECTS ON METABOLIC PARAMETERS IN HYPOGONADAL ELDERLY MEN
Farid Saad, DVM, PhD¹, Aksam Yassin, MD, PhD², Yousef Al Mehmadi, MD, PhD³, Gheorghe Doros, PhD³ and Abdulmaged Traish, PhD⁴
¹Global Medical Affairs Andrology, Bayer Pharma AG, Berlin, Germany; ²Institute of Urology and Andrology; ³Boston University School of Public Health; ⁴Boston University School of Medicine
(Presented By: Farid Saad, DVM, PhD)

Poster #74 KNOCKOUT OF THE TRANSCRIPTION FACTOR NRF2: EFFECTS ON TESTOSTERONE PRODUCTION BY AGING MOUSE LEYDIG CELLS
Haolin Chen, PhD¹, Shiying Jin, PhD¹, Jingjing Guo, PhD², Shyam Biswal, PhD², Renshan Ge, MD³ and Barry Zirkin, PhD²
¹Department of Biochemistry and Molecular Biology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland 21205; ²The Second Affiliated Hospital, Wenzhou Medical University, Wenzhou, Zhejiang, China; ³Department of Environmental Health Sciences, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland 21205
(Presented By: Haolin Chen, PhD)

Poster #75 THE MITOCHONDRIAL PEPTIDE ANALogue HNG PROTECTS AGAINST CYCLOPHOSPHAMIDE-INDUCED DECREASE IN SPERM OUTPUT AND NEUTROPENIA
Yan-He Lue, MD¹, Ronald Swerdlow, MD¹, Junxiang Wan, PhD², Vince Atienza, BS¹, Brian Stone, BS¹, Sima Baravarian, PhD¹, Yue Jia, MD¹, Pinchas Cohen, MD² and Christina Wang, MD¹
¹LABioMed at Harbor-UCLA; ²USC Davis School of Gerontology
(Presented By: Yan-He Lue, MD)

Poster #76 PRO-ANDROGENIC EFFECTS OF LOW DOSE DEHP ARE ANTAGONIZED BY GENISTEIN IN YOUNG ANIMALS EXPOSED IN-UTERO
Steven Jones, MSc¹, Annie Boisvert, MSc¹, Sade Francois, BSc¹, Liandong Zhang, MD³ and Martine Culty, PhD¹
¹McGill University; ²Xi’an Jiaotong University
(Presented By: Steven Jones, MSc)
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Andrology, 2015, Supplement, 58
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Poster #77 EFFECTS OF IN UTERO EXPOSURE TO DIISONONYL PHTHALATE ON RAT FETAL LEYDIG CELL FUNCTION AND AGGREGATION
Tiao Bu, MD, Linxi Li, PhD, Yiyan Wang, MD, Yuanyuan Hu, MD, Gaolong Zhang, MD, Yuanyuan Shan, MD, Zhichuan Chen, MD, Danyan Zhu, MD, Renai Xu, MD, Junwei Li, MD, Guoxin Hu, PhD, Qingquan Lian, MD and Ren-Shan Ge, MD
The 2nd Affiliated Hospital & Research Academy of Reproductive Biomedicine, Wenzhou Medical University
(Presented By: Tiao Bu, MD)

Poster #78 EFFECTS OF IN UTERO MIXED EXPOSURE TO DIETHYL AND DIETHYLHEXYL PHTHALATES ON RAT FETAL LEYDIG CELL GENE EXPRESSIONS AND FUNCTIONS
Guoxin Hu, Junwei Li, MD¹, Yaoyao Dong, MSc¹, Dongxin Chen, MSc¹, Wenwen Yao, MSc¹, Ermin Gu, MSc¹, Yuanyuan Shan, MSc¹, Yuanyuan Hu, MSc¹, Yiyan Wang, MSc¹, Qingquan Lian, MD² and Ren-shan Ge, MD³
¹Wenzhou Medical University; ²Department of Anestheiology, the 2nd Affiliated Hospital, Wenzhou Medical University; ³Institute of Reproductive Biomedicine, Wenzhou Medical University
(Presented By: Guoxin Hu)

Poster #79 MOLECULAR ALTERATIONS IN SPERM ARE SENSITIVE INDICATORS OF TESTICULAR DYSFUNCTION
Linnea Anderson, MSc¹, Edward Dere, PhD² and Kim Boekelheide, MD, PhD¹
¹Brown University; ²Rhode Island Hospital
(Presented By: Linnea Anderson, MSc)

Poster #80 EFFECTS OF IN UTERO EXPOSURE OF DICYCLOHEXYL PHTHALATE ON FETAL LEYDIG CELLS
Huina Su, Yuanyuan Shan, MD, Yuanyuan Hu, MD, Yiyian Wang, MD, Yaoyao Dong, MD, Dongxin Chen, MD, QiQi Zhu, MD, Linxi Li, MD, Junwei Li, MD, Guoxin Hu, MD, Qingquan Lian, MD and Ren-Shan Ge, MD
The 2nd Affiliated Hospital & Research Academy of Reproductive Biomedicine, Wenzhou Medical University
(Presented By: Huina Su)

Poster #81 EFFECTS OF DIBUTYL AND MONO-BUTYL PHTHALATES ON RAT IMMATURE LEYDIG CELL STEROIDOGENESIS IN VITRO
Yunfei Xu, MD, Guanghui Hu, MD¹, Baiping Mao, MD², Xiaolong Wu, MD², Binghuan Chi, MD², Senlin Li, MD², Yanfang Bai, MD², Huang Wang, MD², Hongguo Guan, MD² and Ren-shan Ge, MD³
¹The Affiliated 10th People’s Hospital of Tongji University; ²Research Academy of Reproductive Biomedicine, Wenzhou Medical University
(Presented By: Yunfei Xu, MD)

Poster #82 WALNUTS ADDED TO A WESTERN DIET ARE ASSOCIATED WITH DECREASED DNA STRAND BREAKAGE IN SPERM
Lin Xun, MS, Catherine Carpenter, PhD, Yewande Sanusi, BS, Susanne Henning, PhD and Wendie Robbins, PhD
University of California Los Angeles
(Presented By: Lin Xun, MS)

Poster #83 OPEN CHROMATIN MAPPING IDENTIFIES TRANSCRIPTIONAL NETWORKS REGULATING HUMAN EPIDIDYMIS EPITHELIAL FUNCTION
James Browne, PhD¹, Rui Yang, BSc¹, Lingyun Song, PhD², Greg Crawford, PhD², Shih-Hsing Leir, PhD¹ and Ann Harris, PhD¹
¹Human Molecular Genetics Program, Lurie Children’s Research Center, Chicago, IL, USA, Department of Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, IL, USA; ²Department of Pediatrics, Division of Medical Genetics, Duke University Medical School, Durham, NC, USA, Center for Genomic and Computational Biology, Duke University Medical School, Durham, NC, USA
(Presented By: James Browne, PhD)

Poster #84 A SUSCEPTIBILITY LOCUS, RS7099208, IS ASSOCIATED WITH NON-OBSTRUCTIVE AZOOSPERMIA VIA REDUCTION IN THE EXPRESSION OF FAM160B1
Yan Zhang, Mingxi Liu, Associate Professor¹, Xuejiang Guo, Associate Professor¹ and Jiahaa Sha, Professor²
¹Teacher; ²Tutor
(Presented By: Yan Zhang)

Poster #85 REGULATION OF THE PROLIFERATION AND DIFFERENTIATION OF RAT STEM AND PROGENITOR LEYDIG CELLS BY ACTIVIN
Linxi Li, PhD, Renai Xu, MD, Shiwen Liu, MD, Yiyian Wang, MSc, Yuanyuan Shan, MSc, Yuanyuan Hu, MSc, Yaoyao Dong, MSc, QiQi Zhu, MSc, Xiaoheng Li, MSc, Jingjing Guo, MD, Haolin Chen and Ren-Shan Ge, MD
The Second Affiliated Hospital, Wenzhou Medical University
(Presented By: Linxi Li, PhD)

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POSTER SESSION II

**Poster #86 CHROMOSOMAL TRANSLOCATIONS AND MALE INFERTILITY**
Mohamed Arafa, MD, Haitham El Bardisi, MD, Sami ElSaid, MD, Ahmad Majzoub, MD and Ahmad AlMalki, MD
Urology Department, HMC, Qatar
(Presented By: Mohamed Arafa, MD)

**Poster #87 MITOCHONDRIAL DNA EPigenetics: CPG AND NON-CPG CYTOSINE METHYLATION IN THE SPERM MITOCHONDRIAL GENOME**
Monis B. Shamsi, PhD, Timothy G. Jenkins, PhD, KI Aston, PhD and Douglas T. Carrell, PhD
Andrology and IVF Laboratories, Department of Surgery, University of Utah School of Medicine, Salt Lake City, Utah, United States of America.
(Presented By: Monis B. Shamsi, PhD)

**Poster #88 SPATA22 LOCALIZES TO MEIOTIC RECOMBINATION NODULES AND IS REQUIRED FOR FERTILITY IN THE MOUSE**
Vinita Daniel, Zachary Ferguson, Patrick Davis, Chelsea Schonert, Emily Hays and Sophie La Salle, PhD
Midwestern University
(Presented By: Vinita Daniel)

**Poster #89 SEMEN CRYOPRESERVATION IN MEN WITH CANCER; THE USAGE RATE AND OUTCOME OF ASSISTED REPRODUCTIVE TECHNOLOGY IN 898 PATIENTS**
Iris Muller, MD¹, Ralph J.A. Oude Ophuis, PhD², Frank J.M. Broekmans, MD, PhD² and Tycho M.T.W. Lock, MD, FEBU³
¹Department of Urology, University Medical Centre Utrecht, Utrecht, The Netherlands; ²Department of Reproductive Medicine and Gynaecology, University Medical Centre Utrecht, Utrecht, The Netherlands; ³Department of Urology, University Medical Centre Utrecht, Utrecht, The Netherlands and Department of Urology, Central Military Hospital, Utrecht, the Netherlands
(Presented By: Tycho M.T.W. Lock, MD, FEBU)

**Poster #90 OUTCOME OF MICROSURGICAL TESTICULAR SPERM EXTRACTION IN FAMILIAL IDIOPATHIC NON-OBSTRUCTIVE AZOOSPERMIA**
Haitham El Bardisi, MD, Mohamed Arafa, MD, Sami AlSaid, MD, Abdulla AlAnsari, MD, Ahmad Majzoub, MD, Ahmad AlMalki, MD and Iyad AlRobi, MD
Urology Department, HMC, Qatar
(Presented By: Haitham El Bardisi, MD)

**Poster #91 ICSI OUTCOME IN KLINEFELTER’S SYNDROME: QATAR EXPERIENCE**
Ahmad Majzoub, MD, Mohamed Arafa, MD, Sami ElSaid, MD and Haitham El Bardisi, MD
Urology Department, HMC, Qatar
(Presented By: Ahmad Majzoub, MD)

**Poster #92 SPERM RETRIEVAL SHOULD BE PERFORMED AT THE TIME OF TUMOR RESECTION IN MEN WITH CONGENITAL ADRENAL HYPERPLASIA AND BILATERAL TESTICULAR ADRENAL REST TUMORS**
Parviz Kavoussi, MD, Roxanne Summers-Colquitt, MS, TS, Kate Odenwald, MSN, RN, ACNP-BC, Thomas Pool, PhD and Shahryar Kavoussi, MD, MPH
Austin Fertility & Reproductive Medicine
(Presented By: Parviz Kavoussi, MD)

**Poster #93 WHY WE ESTABLISHED THE MALE CONTRACEPTION INITIATIVE**
David Sokal, MD and Aaron Hamlin, MEd, MPH, JD
Male Contraception Initiative
(Presented By: David Sokal, MD)

**Poster #94 RAPID SELECTION OF MOTILE SPERM WITH HIGH DNA INTEGRITY USING MICROFLUIDICS**
Krista Zeidan, MSc¹, Maria C. San Gabriel, MSc, PhD¹, Reza Nosrati, PhD candidate², Lise Eamer, MSc², Marion Vollmer, PhD², David Sinton, PhD, PEng² and Armand Zini, MD¹
¹McGill University; ²Toronto University
(Presented By: Maria C. San Gabriel, MSc, PhD)

**Poster #95 COMPARATIVE STUDY OF MICROFLUIDIC DEVICE (MFD) AND DENSITY GRADIENT CenTRIFUGATION (DGC) IN SELECTING SPERM WITH HIGH DNA INTEGRITY**
Maria C. San Gabriel, MSc, PhD¹, Krista Zeidan, MSc¹, Khalid AlRabeeah, MD¹, Reza Nosrati, PhD candidate², Lise Eamer, MSc², Marion Vollmer, PhD², David Sinton, PhD, PEng² and Armand Zini, MD¹
¹McGill University; ²Toronto University
(Presented By: Maria C. San Gabriel, MSc, PhD)
Poster #96 PROTEOMIC PATHWAYS OF OXIDATIVE STRESS IN THE HUMAN SEMINAL PLASMA
Paula Intasqui, MSc¹, Mariana Camargo, MSc¹, Mariana P. Antoniassi, BS², Karina H. M. Cardozo, PhD³, Valdemir M. Carvalho, PhD³ and Ricardo P. Bertolla, DVM, PhD¹
¹Department of Surgery, Division of Urology, Sao Paulo Federal University; ²Fleury Group
(Presented By: Paula Intasqui, MSc)

Poster #97 TIME FOR PUBLIC HEALTH ACTION ON INFERTILITY: UPDATES FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION
Steven Schrader, PhD³, Lee Warner, PhD, MPH³, Richard Wang, MD³ and Hubert Vesper, PhD³
¹CDC/NIOSH; ²CDC/NCCDHP; ³CDC/NCEH
(Presented By: Steven Schrader, PhD)

Poster #98 CRYOPRESERVATION OF SPERMATOZOA: OPTIMIZATION OF MOTILITY WITH A NONPERMEABLE CRYOPROTECTANT
Jie Liu, PhD, Cigdem Tanrikut, MD, Diane Wright, PhD, Gloria Lee, Mehmet Toner, PhD and Thomas Toth, MD
Massachusetts General Hospital and Harvard Medical School, Boston, MA
(Presented By: Cigdem Tanrikut, MD)

Poster #99 NON-MOTILE SPERM CELL SEPARATION USING A SPIRAL CHANNEL
Jiyoung Son, MS¹, Raheel Samuel, PhD², Kristin Murphy, PhD², Douglas Carrell, PhD², Bruce Gale, PhD² and James Hotaling, MD²
¹Electrical and Computer Engineering of University of Utah; ²Urology Division, Department of Surgery, University of Utah School of Medicine; ³Mechanical Engineering of University of Utah
(Presented By: Jiyoung Son, MS)

Poster #100 QUANTITIVE EVALUATION OF EXPRESSION OF THE CATSPER CHANNEL IN HUMAN SPERM AND RELATION WITH FUNCTIONAL PARAMETERS
Lara Tamburrino, Sara Marchiani, Cambi Marta, Forti Gianni, Muratori Monica and Elisabetta Baldi
Dept. of Biomedical, Experimental and Clinical Sciences, University of Florence, Italy
(Presented By: Elisabetta Baldi)

Poster #101 WITHDRAWN

Poster #102 THE GENERAL METHOD OF PLACING THE RESERVOIR IN INFLATABLE PENILE PROSTHESIS OPERATION
Chen Bin, MD, Zhan Junxin, Chen Chaoyue, Huang Fengjin and Zhu Xihong
(Presented By: Chen Bin, MD)

Poster #103 FAILURE TO ATTAIN STRETCHED PENILE LENGTH AFTER INTRACAVERNOSAL INJECTION OF A VASODILATOR AGENT IS PREDICTIVE OF VENO-OCCCLUSIVE DYSFUNCTION ON PENILE DUPLEX DOPPLER ULTRASONOGRAPHY
Faysal A. Yafi, MD, FRCSC, Ian R. McCaslin, MD, Russell P. Libby, MD, Premsant Sangkum, MD, Suresh Sikka, PhD and Wayne J.G. Hellstrom, MD, FACS
Tulane University School of Medicine
(Presented By: Faysal A. Yafi, MD, FRCSC)

Poster #104 THE HISTORY OF PENILE ENHANCEMENT - TO CUT A SHORT STORY LONG
Paul Cleaveland, MBChB¹, Zubeir Ali, MBChB² and Ian Pearce, MBChB³
¹Royal Preston Hospital; ²South Manchester Teaching Hospitals NHS Trust; ³Central Manchester Teaching Hospitals
(Presented By: Paul Cleaveland, MBChB)

Poster #105 THE EFFECT OF AN AQUEOUS TYPHA CAPENSIS EXTRACT ON THE AGEING MALE REPRODUCTIVE SYSTEM
Nicole Haines-Arries, MSc, Abdulkarem Ilfergane, MSc and Ralf Henkel, PhD
University of the Western Cape
(Presented By: Ralf Henkel, PhD)

Poster #106 ASSOCIATION BETWEEN ERECTILE FUNCTION AND SUBCLINICAL ATHEROSCLEROSIS: A STUDY BASED ON MIDDLE-AGE HEALTHY MEN FROM THE GENERAL POPULATION
Babak Rezanezhad, Rasmus Borgquist, MD, PhD, Ronnie Willenheimer, MD, PhD and Saad Elzanaty, MD, PhD
(Presented By: Babak Rezanezhad)

Poster #107 PENILE HEMODYNAMIC IN PATIENTS WITH HIGH RISK OF CARDIOVASCULAR DISEASES
Evgeny Efremov, Professor¹, Yaroslav Melnik² and Stepan Krasnyak
¹Head of the Department of Andrology and Human Reproduction; ²Scientist, Department of Andrology and Human Reproduction
(Presented By: Stepan Krasnyak)
Poster #108 ORAL TREATMENT WITH A COMBINATION OF 4 NUTRACEUTICALS (GINGER, L-CITRULLINE, MUIRA PUAMA AND PAULINIA CUPANA) THAT UPREGULATE THE NO-CGMP PATHWAY CAN DELAY THE ONSET OF AGING ASSOCIATED ERECTILE DYSFUNCTION
Su M. Hlaing, BS, Andre Chan, BS, Jorge N. Artaza, MS, PhD and Monica G. Ferrini, PhD¹,²
¹Department of Internal Medicine, Charles R. Drew University of Medicine & Science, Los Angeles, CA 90059; ²Department of Health and Life Science, College of Science and Health, Charles R. Drew University of Medicine & Science, Los Angeles, CA 90059
(Presented By: Monica G. Ferrini, PhD)

Poster #109 THE SECONDARY HYPOGONADISM POPULATION THAT CAN BE TREATED WITH ENCLOMIPHENE CITRATE AND RESULTS
Ronald Wiehle, PhD, Gregory Fontenot, PhD and Jaye Thompson, PhD
Repros Therapeutics
(Presented By: Ronald Wiehle, PhD)

Poster #110 3-ADRENERGIC RECEPTORS ARE INVOLVED IN REGULATING NITRIC OXIDE SIGNALING AND NEUROGENIC FORCE OF CONTRACTION IN CORPUS Cavernosum Obtained from Patients with Erectile Dysfunction
Serap Gur, MD¹, Faysal Yafi, MD², Suresh Sikka, MD², Philip Kadowitz, MD³ and Wayne Hellstrom, MD³
¹Ankara University; ²Tulane University School of Medicine
(Presented By: Faysal Yafi, MD)

Poster #111 EARLY EXPERIENCE WITH MICROSURGICAL SPERMATIC CORD DENERVATION FOR CHRONIC ORCHALGIA IN A CANADIAN CENTRE
Darby Cassidy, MD
University Hospital of Northern British Columbia
(Presented By: Darby Cassidy, MD)

Poster #112 WITHDRAWN

Poster #113 PROSTATORRHEA REVISTED
Ahmad Motawi, MSc, FECSM, Hussein Ghanem, MD, FECSM, Mohammad Abbas, MD and Ashraf Zeidan, MD, FECSM
Faculty of Medicine, Cairo University
(Presented By: Ahmad Motawi, MSc, FECS)

Poster #114 TRANSCRIPTIONAL REGULATION OF HUMAN SPERM-ASSOCIATED ANTIGEN 16 BY S-SOX5
Ling Zhang, PhD¹, Junpin Liu, MD¹, Wei Li, MD², Jerome Strauss III, MD, PhD² and Zhibing Zhang³
¹Wuhan University of Science & Technology; ²Virginia Commonwealth University; ³Virginia Commonwealth Univ/OB/Gyn
(Presented By: Zhibing Zhang)

Poster #115 MULTIDRUG RESISTANT BACTERIAL ISOLATES CAUSING NOSOCOMIAL URINARY TRACT INFECTION IN A TERTIARY CARE HOSPITAL, NEPAL
Manoj Sah, Master of Science in Clinical Microbiology¹ and Shyam Mishra, MScClinical Microbiology²
¹Kathmandu University, Kantipur Dental College, Kathmandu, NEPAL; ²TU, Nepal
(Presented By: Manoj Sah, Master of Science in Clinical Microbiology)

Poster #116 CRISP3 IS PRO-TUMORIGENIC IN THE PROSTATE
Moira O’Bryan, PhD¹, Marianna Volpert, BSc (hons), PhD², Duangporn Jamsai, BSc, PhD², Gail Risbridger, BSc (hons), PhD² and Luc Furic, BSc (hons), PhD²
¹Monash University; ²The Department of Anatomy and Developmental Biology, Monash University
(Presented By: Moira O’Bryan, PhD)

Poster #117 WITHDRAWN

Poster #118 HISTOLOGICAL PATTERN WITH PREDICTIVE PROGNOSTIC VALUE OF IMPROVED FERTILITY IN PATIENTS UNDERGOING MICROSURGICAL VARICOCELECTOMY
Jorge Hallak, MD, PhD¹,², Robertson Dutra, BSc, MSc student³ and Juliana Pariz, MSc, PhD student¹,²
¹Androscience; ²Universidade de São Paulo
(Presented By: Jorge Hallak, MD, PhD)

Poster #119 PROTEOMIC PROFILING OF DETERGENT RESISTANT MEMBRANES (LIPID RAFTS) OF PROSTASOMES AND THEIR REVESICULATION
Louise Dubois, Göran Ronquist, Bo Ek, Gunnar Ronquist and Anders Larsson
(Submitted By: Göran Ronquist)
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Poster #120 SEMEN QUALITY AND TESTICULAR CANCER: RESULTS FROM THE UTAH POPULATION DATABASE
Heidi Hanson, PhD¹, Ross Anderson, MD, MCR², Chong Zhang, MS³, Angela Presson, PhD⁴, Kenneth Aston, PhD⁵, Douglas Carrell, PhD⁶, Ken Smith, PhD⁷, and James Hotaling, MD, MS⁸
¹University of Utah; ²Department of Surgery, Division of Urology, University of Utah; ³Department of Family and Preventive Medicine, University of Utah; ⁴Department of Internal Medicine, University of Utah; ⁵University of Utah, Department of Surgery, Andrology and IVF Laboratories; ⁶University of Utah, Department of Surgery, Director of IVF and Andrology Laboratories; ⁷Department of Family and Consumer Studies, University of Utah; ⁸Population Sciences, Huntsman Cancer Institute
(Presented By: Heidi Hanson, PhD)

Poster #121 IMPACT OF GALECTIN-3 SINGLE NUCLEOTIDE POLYMORPHISM (SNP) ON INCREASED ODDS OF PROSTATE CANCER (PCA) AND ON PROTEOLYSIS BY PROSTATE SPECIFIC ANTIGEN (PSA)
Matthew Kovak, MS¹, David Schoen, BS¹, Horace Spencer, MS², Sarika Saraswati, PhD³ and Alan Diekman, PhD¹
¹Department of Biochemistry and Molecular Biology, College of Medicine, University of Arkansas for Medical Sciences; ²Department of Biostatistics, College of Public Health, University of Arkansas for Medical Sciences; ³Department of Pathology, Microbiology, and Immunology, College of Medicine, Vanderbilt University
(Presented By: Matthew Kovak, MS)

Poster #122 ULTRASOUND FOR PALPABLE SCROTAL MASSES: WHAT ARE WE FINDING?
Marah Hehemann, MD¹, James Kashanian, MD², Christopher Morrison, MD³, Daniel Mazur, MD⁴, Valary Raup, MS⁴, Brian Trinh, MS³, Mohammed Said, MS³, Andrew Choi, MS³ and Robert E. Brannigan, MD²
¹Loyola University Health Systems; ²Northwestern University
(Presented By: Marah Hehemann, MD)

Poster #123 VARICOCELE IS ASSOCIATED WITH INDICATORS OF INFLAMMATORY ACTIVITY WHICH DECREASE AFTER VARICOCELECTOMY
Mariana Camargo, MSc¹, Emad Ibrahim, MD², Paula Intasqui, MSc², Teodore Aballa, MSc², Charles Lynne, MD², Ricardo Bertolla, MVD, PhD and Nancy Brackett, PhD²
¹Human Reproduction Section, Division of Urology, Sao Paulo Federal University; ²The Miami Project to Cure Paralysis, University of Miami; ³Department of Urology, University of Miami Miller School of Medicine
(Presented By: Mariana Camargo, MSc)

Poster #124 ACTION OF RESVERATROL ON THE REPRODUCTIVE PARAMETERS OF LATE PUBERTAL RATS TREATED WITH ANTI-CANCER AGENTS (BEP PROTOCOL MODIFIED), FROM PERIPUBERTY: PART II
Flávia Macedo de Oliveira Neves, Doctoral student, Camila Cicconci Paccola, Doctoral student, Vanessa Vendramini, PhD and Sandra Maria Miraglia, PhD
Federal University of Sao Paulo - Brazil
(Presented By: Flávia Macedo de Oliveira Neves, Doctoral student)

Poster #125 RAMAN MAPPING SHOWS UVB CAUSES SPERM DNA FRAGMENTATION BUT THE ASSOCIATED MITOCHONDRIAL DYSFUNCTION DOES NOT
Con Mallidis, PhD, Victoria Sanchez, PhD, Joachim Wistuba, PhD, Michael Zitzmann, MD, Sabine Kliesch, MD and Stefan Schlatt
CeRA
(Presented By: Stefan Schlatt)

Poster #126 FLUORESCENCE IN-SITU HYBRIDIZATION DETECTS INCREASED SPERM ANEUPLOIDY IN MEN WITH RECURRENT PREGNANCY LOSS
Ranjith Ramasamy, Jason Scovell, BA, Jason Kovac, MD, Peter Cook, BA and Dolores Lamb, PhD
Baylor College of Medicine
(Presented By: Ranjith Ramasamy)

Poster #127 STUDY OF RNA BIOMARKERS OF NORMAL SPERMIIOGENESIS IN NORMAL SEMEN AND SPERM VIA TRANSCRIPTOME ANALYSIS
Alexander Yatsenko, MD, PhD, Archana Kishore, PhD, Andrew Georgiadis, Randy Beadling, Etta Volk, Joseph Sanfilippo, Thomas Jaffe, James Lyons-Weiler and Tamanna Sultana
MWRI
(Presented By: Alexander Yatsenko, MD, PhD)
Poster #128 THE RELATIONSHIP BETWEEN SOME SEMEN QUALITY MEASUREMENTS, SCROTAL CIRCUMFERENCE, BODY WEIGHT AND FERTILITY OF AWASSI RAMS
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¹Supportive and Palliative Care Service, McGill University Health Centre, McGill Nutrition and Performance Laboratory, ²Department of Exercise Science, Concordia University, Montreal, Canada
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