

# \*POSTER SESSION I

*\*Not CME Accredited*

**Sunday, April 6, 2014**

**11:00 a.m. – 12:30 p.m.**

**Location: Venetian**

- Poster# 1**      **LONG-TERM TREATMENT WITH TESTOSTERONE UNDECANOATE (TU) IN HYPOGONADAL MEN WITH CARDIOVASCULAR DISEASES (CVD): OBSERVATIONAL DATA FROM A REGISTRY STUDY**  
Farid Saad, DVM, PhD<sup>1</sup>, Ahmad Haider, MD, PhD<sup>2</sup>, Gheorghe Doros, PhD<sup>3</sup> and Abdulmaged Traish, PhD<sup>4</sup>  
<sup>1</sup>Bayer Pharma AG, Global Medical Affairs Andrology; <sup>2</sup>Private Urology Practice; <sup>3</sup>Boston University School of Public Health; <sup>4</sup>Boston University School of Medicine  
(Presented By: Farid Saad, DVM, PhD)
- Poster# 2**      **156 HYPOGONADAL MEN WITH OBESITY AND TYPE 2 DIABETES ACHIEVE WEIGHT LOSS AND IMPROVED GLYCAEMIC CONTROL UPON TREATMENT WITH TESTOSTERONE UNDECANOATE UP TO 6 YEARS: A SUBGROUP ANALYSIS FROM TWO OBSERVATIONAL REGISTRY STUDIES**  
Farid Saad, DVM, PhD<sup>1</sup>, Ahmad Haider, MD, PhD<sup>2</sup>, Aksam Yassin, MD, PhD<sup>3</sup>, Gheorghe Doros, PhD<sup>4</sup> and Abdulmaged Traish, PhD<sup>5</sup>  
<sup>1</sup>Bayer Pharma AG, Global Medical Affairs Andrology; <sup>2</sup>Private Urology Practice; <sup>3</sup>Institute for Urology and Andrology; <sup>4</sup>Boston University School of Public Health; <sup>5</sup>Boston University School of Medicine  
(Presented By: Farid Saad, DVM, PhD)
- Poster# 3**      **LACK OF ACTIVATION OF ENCLOMID TO ITS 4-HYDROXYLATED FORM BY CYP 2D6 DOES NOT EXPLAIN LACK OF TESTOSTERONE RESPONSE**  
Ronald Wiehle, PhD, Gregory Fontenot, PhD and Kuang Hsu, BS/MS  
Repros Therapeutics Inc., The Woodlands TX 77381  
(Presented By: Ronald Wiehle, PhD)
- Poster# 4**      **ESTRADIOL INCREASES THE PROLIFERATION OF RAT IMMATURE LEYDIG CELLS: A POSSIBLE ROLE FOR LEYDIG CELL TUMOR FORMATION**  
Xiaoheng Li, Haiyun Deng, PhD, Xiaomin Chen, PhD, Kaimin Yuan, PhD, Ying Su, MS, Shiwen Liu, MS, Tiao Bu, MS, Qingquan Lian, PhD, Ren-Shan Ge, PhD and Guimin Wang, PhD  
The 2nd Affiliated Hospital & Research Academy of Reproductive Biomedicine, Wenzhou Medical University, Wenzhou, Zhejiang 325027, China  
(Presented By: Xiaoheng Li)
- Poster# 5**      **PLATELET-DERIVED GROWTH FACTOR (PDGF) STIMULATES DIFFERENTIATION OF RAT IMMATURE LEYDIG CELLS VIA INCREASING THE EXPRESSION OF STAR**  
Xiaomin Chen, PhD<sup>1</sup>, Xiaoheng Li, MS<sup>2</sup>, Kaimin Yuan, PhD<sup>3</sup>, Shiwen Liu, MS<sup>4</sup>, Tiao Bu, MS<sup>4</sup>, Qiufan Wang, PhD<sup>5</sup>, Qingquan Lian, PhD<sup>5</sup>, Ren-Shan Ge, PhD<sup>5</sup> and Guimin Wang, PhD<sup>5</sup>  
<sup>1</sup>Research assistant; <sup>2</sup>Laboratory technician; <sup>3</sup>Attending doctor; <sup>4</sup>Master student; <sup>5</sup>Professor  
(Presented By: Xiaomin Chen, PhD)
- Poster# 6**      **TESTOSTERONE AS PROGNOSTIC INDEX IN ACUTE EXACERBATION OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE**  
Sebastiano Raimondo, Trainee<sup>1</sup>, Alessandro Di Marco Berardino, Trainee<sup>2</sup>, Chantal Di Segni, Trainee<sup>1</sup>, Riccardo Inchingolo, MD<sup>2</sup>, Andrea Smargiassi, MD<sup>2</sup>, Salvatore Valente, MD<sup>2</sup>, Giuseppe Maria Corbo, MD<sup>2</sup>, Alfredo Pontecorvi, MD<sup>1</sup> and Antonio Mancini, MD<sup>1</sup>  
<sup>1</sup>Dept. Of Medical Sciences, Division of Endocrinology, Catholic University of Sacred Heart, Rome; <sup>2</sup>Dept. Of Medical Sciences, Division of Pneumology, Catholic University of Sacred Heart, Rome  
(Presented By: Antonio Mancini, MD)
- Poster# 7**      **INFLUENCE OF TESTOSTERONE DEPRIVATION ON OXIDATIVE STRESS INDUCED NEURONAL DAMAGE IN HIPPOCAMPUS OF ADULT RATS**  
Prakash Seppan, PhD, Ganesh Lakshmanan, MSc, Karthik Ganesh Mohanraj, MSc, Venkata Lakshmi Nagella, MSc, Anuradha Muruges, MSc and Dinesh Premavathy, MSc  
University of Madras  
(Presented By: Prakash Seppan, PhD)

# POSTER SESSION I

- Poster# 8**      **EFFECTS OF FOUR CHEMOTHERAPEUTIC AGENTS, BLEOMYCIN, ETOPOSIDE, CISPLATIN AND CYCLOPHOSPHAMIDE, ON DNA DAMAGE AND TELOMERES IN A MOUSE SPERMATOGENIAL CELL LINE**  
Mingxi Liu, PhD, Barbara Hales, PhD and Bernard Robaire, PhD  
McGill University  
(Presented By: Mingxi Liu, PhD)
- Poster# 9**      **EFFECT OF ROSMARINIC ACID ON SERTOLI CELLS APOPTOSIS AND SERUM ANTIOXIDANT LEVELS IN RATS AFTER EXPOSURE TO ELECTROMAGNETIC FIELDS**  
Arash Khaki  
(Presented By: Arash Khaki)
- Poster# 10**     **HUMAN SPERM BIOASSAY IN EVALUATING THE QUALITY OF BLOOD SERUM AND FOLLICULAR FLUID OF FEMALES UNDERGOING IN VITRO FERTILIZATION (IVF) BASED INFERTILITY TREATMENT**  
Amjad Hossain, PhD  
The University of Texas Medical Branch  
(Presented By: Amjad Hossain, PhD)
- Poster# 11**     **EFFECTS OF APIGENIN ON THE DEVELOPMENT AND FUNCTION OF RAT IMMATURE LEYDIG CELLS**  
Qiqi Zhu Master<sup>1</sup>, Jian Jin Master<sup>2</sup>, Dongxin Chen Bachelor<sup>1</sup>, Shiwen Liu Bachelor<sup>1</sup>, Tiao Bu Bachelor<sup>1</sup>, Huina Su Bachelor<sup>1</sup>, Feihua Wu Master<sup>2</sup>, Qingquan Lian Doctor<sup>1</sup> and Ren-Shan Ge Doctor<sup>1</sup>  
<sup>1</sup>The 2nd Affiliated Hospital & Institute of Reproductive Biomedicine, Wenzhou Medical University; <sup>2</sup>Department of Pharmacy, Shanghai No.9 People's Hospital, School of Medicine, Shanghai Jiao Tong University  
(Presented By: Qiqi Zhu Master)
- Poster# 12**     **WITHDRAWN**
- Poster# 13**     **STIMULATION OF STEROIDOGENESIS IN RAT IMMATURE LEYDIG CELLS BY BROMINATED FLAME RETARDANT BDE-100**  
Haiyun Deng, MD, Dongxin Chen, MS, Tiao Bu, MS, Siwen Liu, MS and Jingjing Guo, MS  
The 2nd Affiliated Hospital & Research Academy of Reproductive Biomedicine  
(Presented By: Haiyun Deng, MD)
- Poster# 14**     **MONONUCLEAR PHAGOCYTES FROM THE PROXIMAL MOUSE EPIDIDYMIS TAKE UP LUMINAL BACTERIA**  
Tegan Smith, PhD, Jeremy Roy, PhD, Lubov Grigoryeva, BS, Sylvie Breton, PhD and Nicolas Da Silva, PhD  
Massachusetts General Hospital/Harvard Medical School  
(Presented By: Tegan Smith, PhD)
- Poster# 15**     **ROLE OF SPERM TRANSCRIPTS IN THE ETIOLOGY OF IDIOPATHIC RECURRENT EARLY PREGNANCY LOSS**  
Kranthi Vemparala, PhD, Manoj Kumar, MSc, Shwetasmitha Mishra, MSc and Rima Dada, MD, PhD  
Molecular reproduction and Genetics lab, Department of Anatomy, All India Institute of Medical Sciences, New Delhi, India  
(Presented By: Kranthi Vemparala, PhD)
- GENETICS**
- Poster# 16**     **PRIMARY TESTICULAR FAILURE: GENOTYPE PHENOTYPE CORRELATION OF 140 CASES**  
Ashutosh Halder, MD, DNB, DM<sup>1</sup>, Manish Jain, PhD<sup>2</sup> and Prashant Kumar, MSc<sup>3</sup>  
<sup>1</sup>Additional Professor, Reproductive Biology, AIIMS; <sup>2</sup>Scientist, AIIMS, New Delhi; <sup>3</sup>PhD Student, AIIMS, New Delhi  
(Presented By: Ashutosh Halder, MD, DNB, DM)
- Poster# 17**     **SPERM TELOMERE LENGTH AND DNA INTEGRITY: ROLE IN IDIOPATHIC MALE INFERTILITY: IMPACTS OF LIFE STYLE INTERVENTIONS**  
Swetasmita Mishra, MSc<sup>1</sup>, Rajeev Kumar, MD<sup>2</sup>, Shiv Basant Kumar, MSc<sup>1</sup> and Rima Dada, MD, PhD<sup>1</sup>  
<sup>1</sup>Laboratory for Molecular Reproduction and Genetics, Department of Anatomy; <sup>2</sup>Department of Urology, AIIMS  
(Presented By: Swetasmita Mishra, MSc)

# POSTER SESSION I

- Poster# 18**      **INTEGRATIVE DNA METHYLATION AND GENE EXPRESSION ANALYSES IDENTIFIES DISCOIDIN DOMAIN RECEPTOR 1 (DDR1) ASSOCIATION WITH IDIOPATHIC NONOBSTRUCTIVE AZOOSPERMIA (NOA)**  
Ranjith Ramasamy, MD, Alex Ridgeway, Josephine Addai, Jason Scovell, Larry Lipshultz, MD and Dolores Lamb, PhD  
Department of Urology, Baylor College of Medicine  
(Presented By: Ranjith Ramasamy, MD)
- Poster# 19**      **AFFECT OF OXIDATIVE STRESS AND SPERM DNA DAMAGE ON EARLY EVENTS OF CONCEPTION, INDICES OF EMBRYO GROWTH AND EMBRYO QUALITY IN COUPLES OPTING FOR IVF**  
Monis Bilal Shamsi, MSc, PhD, Sweta Smita Misro, MSc and Rima Dada, MD, PhD  
Laboratory for Molecular Reproduction and Genetics, All India Institute of Medical Science  
(Presented By: Monis Bilal Shamsi, MSc, PhD)
- Poster# 20**      **DETECTING SPERM DNA FRAGMENTATION TO DISCRIMINATE BETWEEN FERTILE AND INFERTILE MEN**  
Marta Cambi, Ilaria Natali<sup>1</sup>, Biagio Olivito<sup>2</sup>, Chiara Azzari<sup>2</sup>, Gianni Forti<sup>3</sup>, Elisabetta Baldi<sup>3</sup> and Monica Muratori<sup>3</sup>  
<sup>1</sup>Sterility Center, Obstetric and Gynecology Unit, S.S. Cosma and Damiano Hospital, Pescia, Italy; <sup>2</sup>Department of Health Sciences, A. Meyer Children's Hospital, Florence, Italy; <sup>3</sup>Experimental and Clinical Biomedical Sciences Andrology Unit, University of Florence, Italy  
(Presented By: Marta Cambi)
- Poster# 21**      **INFERTILITY, RECURRENT SPONTANEOUS ABORTIONS, CONGENITAL MALFORMATIONS AND CANCER: POINTS OF COMMON CAUSALITY**  
Swetasmita Mishra, MSc<sup>1</sup>, Kuldeep Mohanty, MSc<sup>2</sup>, Kranthi Vemparala, PhD<sup>2</sup>, Madhuri Tolahunase, MSc<sup>2</sup>, Rajeev Kumar, MD<sup>3</sup> and Rima Dada, MD, PhD<sup>2</sup>  
<sup>1</sup>Laboratory for Molecular Reproduction and Genetics, Department of Anatomy; <sup>2</sup>Laboratory for Molecular Reproduction and Genetics, Department of Anatomy, All India Institute of Medical Sciences, New Delhi, India; <sup>3</sup>Department of Urology, All India Institute of Medical Sciences, New Delhi, India  
(Presented By: Swetasmita Mishra, MSc)
- Poster# 22**      **MITOCHONDRIAL COPY NUMBER VARIATION: NO CORRELATION WITH SPERM DEFECTS: IMPLICATIONS IN ART**  
Swetasmita Mishra, MSc<sup>1</sup>, Manoj Kumar, MSc<sup>2</sup>, Kranthi Vemparala, PhD<sup>2</sup>, Rajeev Kumar, MD<sup>3</sup>, Neena Malhotra, MD<sup>4</sup> and Rima Dada, MD, PhD<sup>2</sup>  
<sup>1</sup>Laboratory for Molecular Reproduction and Genetics, Department of Anatomy; <sup>2</sup>Laboratory for Molecular Reproduction and Genetics, Department of Anatomy, All India Institute of Medical Sciences, New Delhi, India; <sup>3</sup>Department of Urology, All India Institute of Medical Sciences, New Delhi, India; <sup>4</sup>Department of Obstetrics & Gynaecology, All India Institute of Medical Sciences, New Delhi, India  
(Presented By: Swetasmita Mishra, MSc)
- Poster# 23**      **THE ANALYSIS OF PATERNAL AGE ON INTRACYTOPLASMIC SPERM INJECTION OUTCOME**  
Feng Jiang, MD<sup>1</sup>, Xian-dong Peng, MD<sup>1</sup>, Hua Chen, MD<sup>1</sup>, Guo-Wu Chen, MD<sup>1</sup>, Xiao-xi Sun, MD<sup>1</sup> and Weipeng Zhao, MD<sup>1, 2</sup>  
<sup>1</sup>Shanghai Jiaji Genetics & IVF Institute, China-USA Center, 588 Fangxie Road, Shanghai 200011, China; <sup>2</sup>Genetics & IVF Institute, 3015 Williams Drive, Fairfax, VA 22031, USA  
(Presented By: Feng Jiang, MD)
- Poster# 24**      **ACONITI LATERALIS PREPARATA RADIX IMPROVES SPERM MOTILITY THROUGH UP-REGULATION OF THE CYCLIC AMP RESPONSE ELEMENT MODULATOR (CREM) PROTEIN IN CYCLOPHOSPHAMIDE-TREATED MALE MICE**  
Kyu jin Jung, MS, Kwan Suk Bang, PhD, Do Rim Kim, PhD, Ha Young Kim, MS, Eun Bit Ko, MS, Kyung Jun Shim, MS, Mun Seog Chang, PhD and Seong Kyu Park, PhD  
Department of Prescriptionology, College of Korean Medicine, Kyung Hee University  
(Presented By: Seong Kyu Park, PhD)
- Poster# 25**      **STUDY ON CONTRACEPTIVE EFFECT OF ETHANOL EXTRACTED JUSTICIA GENDARUSSA BURM.F. LEAVES IN FERTILE MEN: PHASE II CLINICAL TRIAL**  
Bambang Prajogo, EW, PhD<sup>1</sup>, Dyan Pramesti, MD, Master<sup>2</sup> and Sri Musta'ina, Master<sup>2</sup>  
<sup>1</sup>Dept. Pharmacognosy and Phytochemistry, Faculty of Pharmacy, Airlangga University; <sup>2</sup>Reproductive Health Research Centre, School of Medicine Airlangga University  
(Presented By: Dyan Pramesti, MD, Master)

# POSTER SESSION I

- Poster# 26**      **ADVERSE EFFECTS OF CLOMIPHENE CITRATE IN INFERTILE MEN**  
Mary Samplaski, MD<sup>1</sup>, Tyler Gray, MD<sup>2</sup>, Keith Jarvi, MD<sup>2</sup>, Ethan Grober, MD<sup>2</sup> and Kirk Lo, MD<sup>2</sup>  
<sup>1</sup>Mount Sinai Hospital, University of Toronto, Toronto, Ontario; <sup>2</sup>Mount Sinai Hospital, University of Toronto  
(Presented By: Mary Samplaski, MD)
- Poster# 27**      **COCAINE USE IN THE INFERTILE MALE POPULATION: EFFECTS ON SEMEN AND HORMONAL PARAMETERS**  
Mary Samplaski, MD<sup>1</sup>, Kirk Lo, MD<sup>2</sup>, Ethan Grober, MD<sup>2</sup> and Keith Jarvi, MD<sup>2</sup>  
<sup>1</sup>Mount Sinai Hospital, University of Toronto, Toronto, Ontario; <sup>2</sup>Mount Sinai Hospital, University of Toronto  
(Presented By: Mary Samplaski, MD)
- Poster# 28**      **ROLE OF NON-INVASIVE MARKERS IN PREDICTION OF SPERM RETRIEVAL IN NON-OBSTRUCTIVE AZOOSPERMIA**  
Vasan Srin, DNB, Fellowship - Andrology and Dr. Praveen Joshi Mch  
Manipal Ankur  
(Presented By: Vasan Srin, DNB, Fellowship - Andrology)
- Poster# 29**      **INFLUENCE OF AN AROMATASE INHIBITOR ON SEXUAL FUNCTION IN MEN WITH NON-MOSAIC KLINEFELTER'S SYNDROME**  
Sotirios Koukos<sup>1</sup>, Ioannis Giakoumakis, MD<sup>2</sup>, Evlalia Vlachopoulou, BS<sup>1</sup>, Diamantis Daphnis, BS, PhD<sup>2</sup>, Stavros Gratsias, MD<sup>1</sup>, Ioannis Giannakis, MD<sup>1</sup>, Dimitrios Baltogiannis, MD, PhD<sup>1</sup>, Yasuyuki Mio, MD, PhD<sup>3</sup>, Fotios Dimitriadis, MD, PhD<sup>1</sup>, Panagiota Tsounapi, BS, PhD<sup>4</sup>, Atsushi Takenaka, MD, PhD<sup>4</sup> and Nikolaos Sofkkitis, MD, PhD, DMSci<sup>1</sup>  
<sup>1</sup>Ioannina University School of Medicine; <sup>2</sup>Mediterranean Fertility Center And Genetic Services; <sup>3</sup>Mio Fertility Clinic; <sup>4</sup>Tottori University School of Medicine  
(Presented By: Sotirios Koukos)
- Poster# 30**      **INHIBITORY PROPERTIES OF POMOGRANATE JUICE ON HUMAN CORPUS CAVERNOSUM: EXPRESSION OF NOS ISOFORMS AND PDE5A1 ENZYMES**  
Serap Gur, PhD, Bashir M. Rezk, PhD, Zakaria Y. Abd Elmageed, PhD, Philip J. Kadowitz, Prof Dr, Suresh C. Sikka, Prof Dr and Wayne J.G. Hellstrom, Prof Dr  
Department of Urology, Tulane University HealthSciences Center, New Orleans, Louisiana, USA  
(Presented By: Serap Gur, PhD)
- Poster# 31**      **EVALUATION OF THE CHRONIC TREATMENT WITH RESVERATROL ON THE METABOLIC AND REPRODUCTIVE PARAMETERS OF YOUNG ADULT RATS WITH TYPE 1 DIABETES INDUCED BY STREPTOZOTOCIN IN THE PREPUBERTY**  
Joana N.Simas, Postgraduate student / Master level, Vanessa V. Vilela, Collaborator and Sandra M. Miraglia, Advisor  
Structural and Functional Biology Course/Department of Morphology and Genetics - Federal University of Sao Paulo - UNIFESP, Sao Paulo, Brazil  
(Presented By: Joana N.Simas, Postgraduate student / Master level)
- Poster# 32**      **AN OBJECTIVE EVALUATION OF VIBERECT® (MALE VIBRATOR DEVICE) IN INDUCING FUNCTIONAL ERECTION IN COMPARISON TO INTRACAVERNOSAL VASOACTIVE INJECTION USING PENILE DUPLEX DOPPLER ULTRASOUND BLOOD FLOW ANALYSIS**  
Suresh Sikka, PhD<sup>1</sup>, Sree Mandava, MD<sup>2</sup>, Khulood Kadhum<sup>2</sup>, Nick Saragusa<sup>2</sup>, Ronny Tan, MD<sup>2</sup>, Kambirz Tajkarimi<sup>2</sup> and Wayne Hellstrom, MD, FACS<sup>2</sup>  
<sup>1</sup>Tulane University School of Medicine; <sup>2</sup>Tulane University  
(Presented By: Suresh Sikka, PhD)
- Poster# 33**      **SURVEY OF THE RECOGNITION OF CIRCUMCISION**  
JoonYong Kim and Philip BM Kim Mr  
Philip and Paul Medical Institution  
(Presented By: JoonYong Kim)
- Poster# 34**      **IMPACT OF LIFE STYLE INTERVENTIONS ON MARKERS OF CELLULAR AGING**  
Shiv Basant Kumar, MSc<sup>1</sup>, Rashmi Yadav, MSc<sup>2</sup>, Raj Kumar Yadav, MD<sup>2</sup>, Madhuri Tolahunase, MSc<sup>1</sup>, Sweta Smita Mishra, MSc<sup>3</sup>, Kranthi Vemparala, PhD<sup>3</sup>, Manoj Kumar, MSc<sup>3</sup> and Rima Dada, MD, PhD<sup>3</sup>  
<sup>1</sup>Lab. for Molecular Reproduction and Genetics, Dept. of Anatomy, All India Institute of Medical Sciences, New Delhi.; <sup>2</sup>Integral Health Clinic(IHC), Department of Physiology, All India Institute of Medical Sciences, New Delhi; <sup>3</sup>Lab. for Molecular Reproduction and Genetics, Dept. of Anatomy, All India Institute of Medical Sciences, New Delhi  
(Presented By: Shiv Basant Kumar, MSc)

# POSTER SESSION I

- Poster# 35**      **EXCESSIVE EXTRACELLULAR ATP FORMATION BY MALIGNANT CELL-DERIVED PROSTASOMES DUE TO DOWNREGULATED ATPASE ACTIVITY**  
K. Göran Ronquist, Anders Larsson Prof and Gunnar Ronquist Prof em  
Dep. of Med. Sci  
(Presented By: K. Göran Ronquist)
- Poster# 36**      **IMPACT OF SINGLE NUCLEOTIDE POLYMORPHISM (SNP) ON SUSCEPTIBILITY OF GALECTIN-3 TO CLEAVAGE BY PROSTATE SPECIFIC ANTIGEN (PSA)**  
David Schoen, BS<sup>1</sup>, Matthew Kovak, MS<sup>1</sup>, Ashley Block, MA<sup>1</sup>, Sarika Saraswati, PhD<sup>2</sup> and Alan Diekman, PhD<sup>1</sup>  
<sup>1</sup>University of Arkansas for Medical Sciences; <sup>2</sup>Vanderbilt University  
(Presented By: David Schoen, BS)
- Poster# 37**      **FLAGELLAR BIOGENESIS: A POTENTIAL LINK BETWEEN MFN2 AND MNS1**  
Melissa Vadnais, VMD, PhD, Angel Lin, BSc, MSc and George Gerton, BSc, PhD  
University of Pennsylvania  
(Presented By: Melissa Vadnais, VMD, PhD)
- Poster# 38**      **ADENYLATE KINASE 8, ADENINE NUCLEOTIDE METABOLISM, AND A ROLE FOR AMP IN MODULATING FLAGELLAR WAVEFORMS IN MOUSE SPERM**  
Melissa Vadnais, VMD, PhD, Wenlei Cao, BMS, PhD<sup>1</sup>, Haig Aghajanian, BSc<sup>2</sup>, Lisa Haig-Ladewig, BSc<sup>2</sup>, Angel Lin, BSc, MSc<sup>2</sup> and George Gerton, BSc, PhD<sup>2</sup>  
<sup>1</sup>University of Massachusetts; <sup>2</sup>University of Pennsylvania  
(Presented By: Melissa Vadnais, VMD, PhD)
- Poster# 39**      **VARICOCELECTOMY: CLINICAL IMPLICATIONS AND PROGNOSIS IN MANAGEMENT OF INFERTILITY.**  
Monis Bilal Shamsi, MSc, PhD and Rima Dada, MD, PhD  
Laboratory for Molecular Reproduction and Genetics, All India Institute of Medical Science  
(Presented By: Monis Bilal Shamsi MSc, PhD)
- Poster# 40**      **THE CATSPER CALCIUM CHANNEL IN HUMAN SPERMATOZOA: RELATION WITH MOTILITY AND INVOLVEMENT IN PROGESTERONE-INDUCED ACROSOME REACTION**  
Lara Tamburrino, PhD, Sara Marchiani, PhD, Gianni Forti, MD, Monica Muratori, PhD and Elisabetta Baldi, PhD  
University of Florence  
(Presented By: Lara Tamburrino, PhD)
- Poster# 41**      **SPERM'S MEMBRANE CHARGE: AN INTERESTING BIOMARKER FOR NON-INVASIVE METHOD OF SPERM SELECTION**  
Luke Simon, PhD and Douglas Carrell, PhD, HCLD  
University of Utah  
(Presented By: Luke Simon, PhD)
- Poster# 42**      **HUMAN BINDER OF SPERM PROTEIN HOMOLOG 1 (BSPH1) CAN PROMOTE SPERM CAPACITATION**  
Genevieve Plante, Isabelle Therien, PhD<sup>1</sup>, Catherine Lachance, PhD<sup>2</sup>, Pierre Leclerc, PhD<sup>3</sup> and Puttaswamy Manjunath, PhD<sup>4</sup>  
<sup>1</sup>HMR Research Center; <sup>2</sup>Université Laval; <sup>3</sup>Université Laval; <sup>4</sup>Université de Montréal  
(Presented By: Genevieve Plante)
- Poster# 43**      **QUANTITATIVE PHOSPHOPROTEOMIC ANALYSIS OF SPERM CAPACITATION REVEALS A KEY ROLE OF IGF1R TYROSINE KINASE IN HUMAN**  
Jing Wang, PhD, Candidate<sup>1</sup>, Lin Qi, PhD, Candidate<sup>2</sup>, Tao Zhou, PhD, Candidate<sup>2</sup>, Yueshuai Guo, PhD, Candidate<sup>2</sup>, Gaigai Wang, Master<sup>2</sup>, Zuomin Zhou, PhD<sup>2</sup>, Xuejiang Guo, PhD<sup>2</sup> and Jiahao Sha, PhD<sup>2</sup>  
<sup>1</sup>State Key Laboratory of Reproductive Medicine, Nanjing Medical University, Nanjing 210029, China; <sup>2</sup>State Key Laboratory of Reproductive Medicine, Nanjing Medical University, Nanjing 210029, China  
(Presented By: Jing Wang, PhD, Candidate)
- Poster# 44**      **INSIGHTS INTO THE LYSINE ACETYLATION OF PROTEINS IN CAPACITATED HUMAN SPERM**  
Xuejiang Guo, PhD<sup>1</sup>, Guohai Sun, Master Candidate<sup>2</sup>, Min Jiang, PhD Candidate<sup>2</sup>, Tao Zhou, PhD, Candidate<sup>2</sup>, Yiqiang Cui, Master Candidate<sup>2</sup>, Yueshuai Guo, PhD Candidate<sup>2</sup>, Zuomin Zhou, PhD<sup>2</sup> and Jiahao Sha, PhD<sup>2</sup>  
<sup>1</sup>State Key Laboratory of Reproductive Medicine, Nanjing Medical University; <sup>2</sup>State Key Laboratory of Reproductive Medicine, Department of Histology and Embryology, Nanjing Medical University, Nanjing 210029, China  
(Presented By: Xuejiang Guo, PhD)

# POSTER SESSION I

- Poster# 45**      **SPERM MOTILITY LOSS AND ACTIVATION OF THE CAMP-PKA PATHWAY CAUSED BY THE STAT3 INHIBITORY COMPOUND V RESULT FROM EXCESSIVE REACTIVE OXYGEN SPECIES PRODUCTION.**  
Catherine Lachance, PhD, Serge Goupil, BSc, Roland R. Tremblay, DSc, MD, PhD and Pierre Leclerc, PhD  
Université Laval  
(Presented By: Catherine Lachance, PhD)
- Poster# 46**      **ROBUST AUTOMATIC SPERM TRACKING**  
Leonardo Urbano, MSEE<sup>1</sup>, Matthew D. VerMilyea, PhD<sup>2</sup>, Puneet Masson, MD<sup>2</sup> and Moshe Kam, PhD<sup>1</sup>  
<sup>1</sup>Drexel University; <sup>2</sup>Penn Fertility Care  
(Presented By: Leonardo Urbano, MSEE)
- Poster# 47**      **JUSTICIA GANDARUSSA BURM.F. AS HYALURONIDASE HUMAN SPERMATOZOA INHIBITOR ACTIVITY**  
Bambang Prajogo  
(Presented By: Bambang Prajogo)
- Poster# 48**      **REGULATION OF ACROSOME REACTION BY LIPRIN ?3, LAR AND ITS LIGANDS IN MOUSE SPERM**  
Chetanchandra Joshi, Msc, Shagufta Khan, PhD and Vrinda Khole, PhD  
National Institute for Research in Reproductive Health  
(Presented By: Chetanchandra Joshi Msc)
- Poster# 49**      **ASSESSMENT OF SPERM DNA FRAGMENTATION AFTER MICROSCOPIC SUBINGUINAL VARICOCELECTOMY INTRODUCTION:**  
Brooke Harnisch, MD and Jay Sandlow, MD  
Medical College of Wisconsin  
(Presented By: Brooke Harnisch, MD)
- Poster# 50**      **THE RELATIONSHIP BETWEEN SPERM VIABILITY AND DNA FRAGMENTATION RATES**  
Mary Samplaski, MD<sup>1</sup>, Apostolos Dimitromanolakis, MSc<sup>2</sup>, Brendan Mullen, MD<sup>2</sup>, Kirk Lo, MD<sup>2</sup>, Ethan Grober, MD<sup>2</sup> and Keith Jarvi, MD<sup>2</sup>  
<sup>1</sup>Mount Sinai Hospital, University of Toronto, Toronto, Ontario; <sup>2</sup>Mount Sinai Hospital, University of Toronto  
(Presented By: Mary Samplaski, MD)
- Poster# 51**      **CHARACTERIZATION OF MEMBRANE OCCUPATION AND RECOGNITION NEXUS REPEAT CONTAINING 3, A MEIG1 BINDING PARTNER, IN MOUSE MALE GERM CELLS**  
Ling Zhang, Hongfei Li, MD, Yuqin Shi, PhD, Maria Teves, PhD, Zhiqiong Wang, MD, Gaofeng Jiang, PhD, Shizhen Song, PhD and Zhibing Zhang, PhD  
(Presented By: Ling Zhang)
- Poster# 52**      **A MEIG1/PACRG COMPLEX IN THE MANCHETTE IS ESSENTIAL FOR THE TRANSPORT OF STRUCTURAL PROTEINS REQUIRED FOR CONSTRUCTION OF THE SPERM FLAGELLA**  
Maria Teves, David Nagarkatti-Gude, Kellie Archer, Waixin Tang, Darrell Peterson, Jerome Strauss and Zhibing Zhang  
(Presented By: Zhibing Zhang)
- Poster# 53**      **COMBINED ADMINISTRATION OF CURCUMIN AND GALLIC ACID INHIBITS GALLIC ACID-INDUCED SUPPRESSION OF STEROIDOGENESIS, SPERM OUTPUT, ANTIOXIDANT DEFENSES AND INFLAMMATORY RESPONSIVE GENES**  
Sunny Abarikwu, PhD, Mojisola Durojaiye, BSc, Adenike Alabi, BSc and Oghenetega Akiri, BSc  
Redeemer's University, Nigeria  
(Presented By: Sunny Abarikwu, PhD)
- Poster# 54**      **THE TRANSCRIPTION FACTOR MEF2 IS A NOVEL REGULATOR OF GSTA1 EXPRESSION IN MA-10 LEYDIG CELLS**  
Mickael Di-Luoffo, MSc, Catherine Brousseau, MSc, Francis Bergeron, MSc and Jacques J. Tremblay, PhD  
CRCHUQ-Universite Laval  
(Presented By: Mickael Di-Luoffo, MSc)
- Poster# 55**      **DETECTION OF STRONGLY REPRESSED AND HIGHLY ACTIVE MRNAS IN THE CHROMATOID BODY OF ROUND SPERMATIDS WITH A SIMPLE AND SENSITIVE FLUORESCENT IN SITU HYBRIDIZATION TECHNIQUE**  
Danielle Cullinane, Graduate Student and Ken Kleene, PhD  
Umass Boston  
(Presented By: Danielle Cullinane, Graduate Student)

# POSTER SESSION I

- Poster# 56**      **A-SINGLE SPERMATOGONIA HETEROGENEITY AND CELL CYCLE SYNCHRONIZE WITH A SPECIFIC RAT SEMINIFEROUS EPITHELIAL STAGE**  
Shadaan N. Abid, PhD, Timothy E. Richardson, MD, PhD, Heather M. Powell, MS, Priscilla Jaichander, PhD, Jaideep Chaudhary, BS, Karen M. Chapman, BS and F. Kent Hamra, PhD  
UT Southwestern Medical Center in Dallas  
(Presented By: F. Kent Hamra, PhD)
- Poster# 57**      **LINKING SPERMATID RNA BINDING PROTEIN DIVERSITY TO REPRODUCTIVE SUCCESS**  
Karen M. Chapman, BS, Jaideep Chaudhary, BS, Timothy E. Richardson, MD, PhD and F. Kent Hamra, PhD  
UT Southwestern Medical Center in Dallas  
(Presented By: F. Kent Hamra, PhD)
- Poster# 58**      **EFFECTS OF ALLII TUBEROSI SEMEN ON THE CYCLIC AMP RESPONSE ELEMENT MODULATOR (CREM) EXPRESSION DURING SPERMATOGENESIS**  
Jin hyoung Cho, MS, Sung Won Jee, PhD, Do Rim Kim, PhD, Ha Young Kim, MS, Eun Bit Ko, MS, Ho Jin Lee, MS, Mun Seog Chang, PhD and Seong Kyu Park, PhD  
Department of Prescriptionology, College of Korean Medicine, Kyung Hee University  
(Presented By: Seong Kyu Park, PhD)
- Poster# 59**      **PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR- $\alpha$ /D (PPAR $\alpha$ /D) REGULATES SPERMATOGENESIS BY ALTERING CELL-CYCLE REGULATORS IN MICE**  
Pei-Li Yao, LiPing Chen, Frank Gonzalez and Jeffrey Peters  
(Presented By: Pei-Li Yao)
- Poster# 60**      **EFFECT OF IRRADIATION ON THE LEVELS OF VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF) IN MOUSE TESTIS**  
Mahmoud Huleihel, PhD, Tal Dadon, BSc, Jenny Rechkin, BSc and Eitan Lunenfeld, MD  
Ben-Gurion University of the Negev  
(Presented By: Mahmoud Huleihel, PhD)
- Poster# 61**      **INHIBITION OF MTOR SIGNALING DECREASES STRA8 EXPRESSION IN ADULT MOUSE TESTIS**  
Pinar Sahin, MSc<sup>1</sup>, Zeliha Sahin, PhD<sup>2</sup>, N. Ece Gungor-Ordueri, MSc<sup>1</sup> and Ciler Celik-Ozenci, DDS, PhD<sup>1</sup>  
<sup>1</sup>Akdeniz University Medical Faculty Department of Histology and Embryology; <sup>2</sup>Near East University Medical Faculty Department of Histology and Embryology  
(Presented By: Pinar Sahin, MSc)
- Poster# 62**      **FUNCTIONAL CHARACTERIZATION OF ION CHANNELS IN SINGLE SPERMATOGONIA IN VITRO AND IN SITU**  
David Fleck, Master of Science (MSc)<sup>1</sup>, Sophie Veitinger, PhD<sup>2</sup>, Thomas Veitinger, PhD<sup>1</sup>, Patricia Almeida Machado, BSc<sup>1</sup>, Susanne Lipartowski<sup>1</sup>, Corinna Engelhardt<sup>1</sup>, Jennifer Spehr, PhD<sup>1</sup> and Marc Spehr, PhD<sup>1</sup>  
<sup>1</sup>Department of Chemosensation, Institute for Biology II; <sup>2</sup>Institute for Cytobiology, Philipps-University Marburg  
(Presented By: David Fleck, Master of Science (MSc))
- Poster# 63**      **FURTHER CONFIRMATION OF SEVERAL IMPORTANT TARGETS OF SUMOYLATION IN TESTICULAR CELLS**  
Yuxuan Xiao, PhD<sup>1</sup>, Daniel Pollack, BsC<sup>1</sup>, Avi Levy<sup>1</sup>, Miriam Andrusier<sup>1</sup> and Margarita Vigodner, PhD<sup>2</sup>  
<sup>1</sup>Yeshiva University; <sup>2</sup>Yeshiva University and AECOM, New York.  
(Presented By: Margarita Vigodner, PhD)
- Poster# 126**      **RESPONSIVENESS OF THE SPERMATOGONIAL STEM CELL POOL TO RETINOIC ACID**  
Ryan Anderson, BS, Melissa Oatley, MS and Jon Oatley, PhD  
Washington State University  
(Presented By: Ryan Anderson, BS)

## \*POSTER SESSION II

*\*Not CME Accredited*

**Monday, April 7, 2014**

**11:15 a.m. – 12:30 p.m.**

**Location: Venetian**

- Poster# 64**      **THE TRANSCRIPTION FACTOR SOX9 IS A NOVEL REGULATOR OF STEROIDOGENIC GENES EXPRESSION IN MA-10 LEYDIG CELLS**  
David Landry, BSc and Luc J. Martin, PhD  
Université de Moncton  
(Presented By: David Landry, BSc)
- Poster# 65**      **EFFECTS OF METHOXYCHLOR AND ITS METABOLITE 2,2-BIS(P-HYDROXYPHENYL)-1,1,1- TRICHLOROETHANE ON HUMAN AND RAT**  
Leping Ye, MD<sup>1</sup>, Ren-Shan Ge, PhD<sup>1</sup> and Hui Li, MD, PhD<sup>2</sup>  
<sup>1</sup>The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University; <sup>2</sup>Division of Neonatology, the First Affiliated Hospital of School of Medicine, Xi'an Jiaotong University  
(Presented By: Leping Ye, MD)
- Poster# 66**      **EXPRESSIONS OF SOX5 AND SOX13 TRANSCRIPTION FACTORS ARE INCREASED IN TESTICULAR LEYDIG CELLS OF RODENTS DURING POST-NATAL DEVELOPMENT**  
Mikella A. Daigle, BSc and Luc J. Martin, PhD  
Université de Moncton  
(Presented By: Mikella A. Daigle, BSc)
- Poster# 67**      **DEHYDROEPIANDROSTERONE ANTAGONIZES SURGERY STRESS-INDUCED SUPPRESSION OF TESTOSTERONE PRODUCTION IN MALE RATS**  
Han Lin, PhD, MD<sup>1</sup>, Kaimin Yuan, PhD, MD<sup>2</sup>, Hongyu Zhou, PhD<sup>2</sup>, Dongxin Chen, PhD<sup>2</sup>, Tiao Bu Master<sup>2</sup>, Shiwen Liu, Master<sup>2</sup>, Jingyang Li, PhD<sup>2</sup>, Qingquan Lian, PhD, MD<sup>2</sup> and Renshan Ren, PhD, MD<sup>2</sup>  
<sup>1</sup>Wenzhou Medical University.The Second Hospital,; <sup>2</sup>Wenzhou Medical University, The Second Hospital  
(Presented By: Han Lin, PhD, MD)
- Poster# 68**      **IMPROVING THE FERTILITY OF DOG**  
Gamal El-Amrawi, Professor  
Alexandria University  
(Presented By: Gamal El-Amrawi, Professor)
- Poster# 69**      **PREVALENCE OF BONE DENSITY DEFICIENCIES IN MEN PRESENTING FOR HYPOGONADISM TREATMENT: DO WE NEED TO WORRY?**  
Igor Sorokin, MD<sup>1</sup>, Paul Feustel, PhD<sup>2</sup> and Andrew McCullough, MD<sup>3</sup>  
<sup>1</sup>Albany Medical College; <sup>2</sup>albany medical college; <sup>3</sup>Urological Institute of North Eastern New York  
(Presented By: Igor Sorokin, MD)
- Poster# 70**      **CHRONIC CYCLOPHOSPHAMIDE TREATMENT AFFECTS GENE EXPRESSION IN PACHYTENE SPERMATOCYTES AND ROUND SPERMATIDS**  
Anne Marie Downey, Barbara Hales, PhD and Bernard Robaire, PhD  
McGill University  
(Presented By: Anne Marie Downey)
- Poster# 71**      **ACTION OF RESVERATROL ON THE REPRODUCTIVE PARAMETERS OF LATE PUBERTAL RATS TREATED WITH ANTI-CANCER AGENTS (BEP PROTOCOL MODIFIED), FROM PERIPUBERTY**  
Flavia Macedo de Oliveira Neves, PhD student, Vanessa Vendramini Vilela, Collaborator and Sandra Maria Miraglia, Advisor  
Federal University of Sao Paulo - UNIFESP - Brazil  
(Presented By: Flavia Macedo de Oliveira Neves, PhD student)
- Poster# 72**      **FETAL CYCLOPHOSPHAMIDE EXPOSURE INDUCES TESTICULAR CANCER AND REDUCES SPERMATOGENESIS IN MICE**  
Gunapala Shetty, PhD, Ana Luiza Drumond, PhD, Paul Comish, MS, Angabin Matin, PhD and Marvin Meistrich, PhD  
University of Texas M.D. Anderson Cancer Center  
(Presented By: Gunapala Shetty, PhD)



## POSTER SESSION II

- Poster# 73**      **EFFECTS OF EUCOMMIAE CORTEX (EC) ON SPERM COUNT AND MOTILITY PARAMETERS IN MALE MICE**  
Ji Eun Lee, MS, Eun Bit Ko, MS, Jin Soo Kim, PhD, Do Rim Kim, PhD, Ha Young Kim, MS, Byung Chun Park, MS, Bong Jae Choi, PhD, Seong Kyu Park, PhD and Mun Seog Chang, PhD  
Department of Prescriptionology, College of Korean Medicine, Kyung Hee University  
(Presented By: Mun Seog Chang, PhD)
- Poster# 74**      **LATE REPRODUCTIVE ANALYSIS OF RAT MALE OFFSPRING EXPOSED TO NICOTINE DURING PREGNANCY AND LACTATION – FINAL PART**  
Mayra Miranda-Rodrigues, Masters Student, Camila C. Paccola, Collaborator, Samara U. Oliva, Collaborator and Sandra M. Miraglia, Advisor  
Federal University of Sao Paulo - UNIFESP - Brazil  
(Presented By: Mayra Miranda-Rodrigues, Masters Student)
- Poster# 75**      **MOLECULAR ALTERATIONS IN SPERM ARE SENSITIVE INDICATORS OF TESTICULAR DYSFUNCTION**  
Linnea Anderson, MSc<sup>1</sup>, Edward Dere, PhD<sup>2</sup>, Susan Huse, PhD<sup>1</sup> and Kim Boekelheide, MD, PhD<sup>1</sup>  
<sup>1</sup>Brown University; <sup>2</sup>Rhode Island Hospital  
(Presented By: Linnea Anderson, MSc)
- Poster# 76**      **NETWORK ANALYSIS OF REDOX MEDIATED PROTEIN-PROTEIN INTERACTIONS IN SPERMATOZOA**  
Burak Özköse  
McGill University  
(Presented By: Burak Özköse)
- Poster# 77**      **MAPPING THE SPERM MEMBRANE PROTEIN INTERACTOME**  
Matthew Marcello, PhD<sup>1</sup>, Marina Druzhinina<sup>2</sup> and Andrew Singson, PhD<sup>2</sup>  
<sup>1</sup>Pace University; <sup>2</sup>Waksman Institute - Rutgers University  
(Presented By: Matthew Marcello, PhD)
- Poster# 78**      **COMPARATIVE ANALYSIS OF MACAQUE AND HUMAN SPERM PROTEOMES: INSIGHTS INTO SPERM COMPETITION**  
Tao Zhou<sup>1</sup>, Gaigai Wang<sup>1</sup>, Minjian Chen<sup>2</sup>, Yueshuai Guo<sup>1</sup>, Zuomin Zhou<sup>1</sup>, Jiahao Sha<sup>1</sup> and Xuejiang Guo<sup>1</sup>  
<sup>1</sup>State Key Laboratory of Reproductive Medicine, Department of Histology and Embryology, Nanjing Medical University; <sup>2</sup>Key Laboratory of Modern Toxicology of Ministry of Education, School of Public Health, Nanjing Medical University  
(Presented By: Tao Zhou)
- Poster# 79**      **TRANSCRIPTIONAL PROFILING OF HYPOXIA PATHWAY GENE EXPRESSION IN THE RAT TESTIS FOLLOWING P. AERUGINOSA LIPOPOLYSACCHARIDE-INDUCED INFLAMMATION**  
Genevieve Fasano<sup>1</sup> and Michael Palladino, PhD<sup>2</sup>  
<sup>1</sup>Biology Department, Monmouth University; <sup>2</sup>Monmouth University  
(Presented By: Genevieve Fasano)
- Poster# 80**      **OLIGOZOOSPERMIA TRANSCRIPTOME PROFILE AND GENE CANDIDATE DISCOVERY IN SEMEN FROM INFERTILE MALES**  
Andrew P. Georgiadis, BA<sup>1</sup>, Archana Kishore, PhD<sup>1</sup>, Tamanna Sultana, PhD<sup>2</sup>, James Lyons-Weiler, PhD<sup>2</sup>, Etta Volk, MS<sup>3</sup>, Thomas M. Jaffe, MD<sup>3</sup>, Joseph S. Sanfilippo, MD<sup>3</sup>, Aleksandar Rajkovic, MD, PhD<sup>1</sup> and Alexander N. Yatsenko, MD, PhD<sup>1</sup>  
<sup>1</sup>MWRI; <sup>2</sup>University of Pittsburgh; <sup>3</sup>MWH  
(Presented By: Alexander N. Yatsenko, MD, PhD)
- Poster# 81**      **WHEREAS ALL CASES OF FAILED FERTILIZATION WITH CONVENTIONAL OOCYTE INSEMINATION WITH NORMAL SPERM ACHIEVE GOOD FERTILIZATION RATES WITH ICSI ONLY HALF WITH NORMAL BINDING HAVE GOOD FERTILIZATION RATES**  
Jerome Check, MD, PhD<sup>1</sup>, Aniela Bollendorf, MT, HEW<sup>2</sup> and Carrie Wilson, BA<sup>3</sup>  
<sup>1</sup>Medical School at Rowan University; <sup>2</sup>Cooper Institute for Reproductive Hormonal Disorders; <sup>3</sup>Cooper Institute for Reproductive and Hormonal Disorders  
(Presented By: Jerome Check, MD, PhD)
- Poster# 82**      **SPERM WITH LOW HYPO-OSMOTIC SWELLING (HOS) TEST SCORES MAY BE A RARE CAUSE OF RECURRENT MISCARRIAGE**  
Jerome Check, MD, PhD<sup>1</sup> and Aniela Bollendorf, MT, HEW<sup>2</sup>  
<sup>1</sup>Medical School at Rowan University; <sup>2</sup>Cooper Institute for Reproductive Hormonal Disorders  
(Presented By: Jerome Check, MD, PhD)

## POSTER SESSION II

- Poster# 83**      **THE ROLE OF JUSTICIA GENDARUSSA BURM.F., AS MALE CONTRACEPTION, ON BLOOD LIPID PROFILE**  
Sri Musta'ina, Master<sup>1</sup>, Bambang Prajogo, Professor<sup>2</sup>, Bayu Al Huda, Trainee<sup>2</sup> and Dyan Pramesti, MD, Master<sup>3</sup>  
<sup>1</sup>RHRC Dept Biomedical Science School of medicine Airlangga University; <sup>2</sup>Faculty of Pharmacy Airlangga University;  
<sup>3</sup>Reproductive Health Research Centre, Dept Biological Science School of Medicine Airlangga University  
(Presented By: Sri Musta'ina, Master)
- Poster# 84**      **INVESTIGATING THE SPERMICIDAL PROPERTIES OF NOVEL COMPOUNDS**  
Ashley Robertson and Jennifer Venditti, PhD, MS, BS  
Bloomsburg University  
(Presented By: Ashley Robertson)
- Poster# 85**      **A MODEL FOR STUDYING PROTECTION FROM INFERTILITY AFTER CHEMOTHERAPY: CYCLOPHOSPHAMIDE (CYP) DECREASES METASTATIC LUNG MELANOMA FORMATION AND INCREASES GERM CELL APOPTOSIS IN MICE**  
YanHe Lue, MD<sup>1</sup>, Ronald Swerdloff, MD<sup>1</sup>, Kyeong-Ri Yu<sup>1</sup>, Kevin Bruhn, PhD<sup>2</sup> and Christina Wang, MD<sup>1</sup>  
<sup>1</sup>Division of Endocrinology, Department of Medicine, Los Angeles Biomedical Research Institute and Harbor-UCLA Medical Center; <sup>2</sup>Division of Dermatology  
(Presented By: YanHe Lue, MD)
- Poster# 86**      **DEVELOPMENT OF MALE NON-HORMONAL CONTRACEPTIVES BY TARGETING LATE SPERMIOGENESIS**  
Shuiqiao Yuan, PhD, Zong-Liang Chang, MSc, Huili Zheng, MD, PhD and Wei Yan, MD, PhD  
University of Nevada School of Medicine  
(Presented By: Wei Yan, MD, PhD)
- Poster# 87**      **HIDE AND SEEK WITH SPERMS:MICROTESE AN OPTION IN NON OBSTRUCTIVE AZOOSPERMIA**  
Dharmaraj Palanisamy, DNB (UROLOGY), Sandro C. Esteves, MD (ANDROLOGIST), Mohammed Ashraf, MD (IVF SPECIALIST), Sankalp Singh, MD (IVF SPECIALIST) and Sujatha Ramakrishnan, PhD (Embryologist)  
(Presented By: Dharmaraj Palanisamy, DNB (UROLOGY))
- Poster# 88**      **ABSORBABLE CYANOACRYLATE FOR USE IN MICROSURGICAL VASOVASOTOMY:A NOVEL METHOD TO REINFORCE THE ANASTOMOSIS**  
Tariq S. Hakky, MS, Alberto, J. Duboy, MD<sup>1</sup>, Larry I. Lipshultz, MD<sup>2</sup> and Rafael E. Carrion, MD<sup>1</sup>  
<sup>1</sup>USF; <sup>2</sup>Baylor College of Medicine  
(Presented By: Tariq S. Hakky, MS)
- Poster# 89**      **ABSENCE OF NHERF-2 IN EPIDIDYMIS INCREASES LUMINAL SIZE THROUGH DYSREGULATION OF VATPASE LOCALIZATION.**  
Jose Mira, MPH<sup>1</sup>, Wayland Hsiao, MD and Mitsi Blount, PhD<sup>2</sup>  
<sup>1</sup>Morehouse School of Medicine; <sup>2</sup>Emory University  
(Presented By: Wayland Hsiao, MD)
- Poster# 90**      **INCIDENCE OF MALE AND FEMALE STERILIZATION FOLLOWING A RECENT LIVE BIRTH:ESTIMATES FROM THE PREGNANCY RISK ASSESSMENT MONITORING SYSTEM (PRAMS), 2007-2010**  
Lee Warner, PhD<sup>1</sup>, Mary Elizabeth O'Neil, MPH<sup>1</sup>, Lorrie Gavin, PhD<sup>1</sup>, Letitia Williams, MPH<sup>1</sup>, Shanna Cox, MSPH<sup>1</sup>, Michael Eisenberg, MD<sup>2</sup>, Jim Hotaling, MD<sup>3</sup> and Denise Jamieson, MD<sup>1</sup>  
<sup>1</sup>CDC; <sup>2</sup>Stanford University; <sup>3</sup>University of Utah  
(Presented By: Lee Warner, PhD)
- Poster# 91**      **PIOGLITAZONE INCREASES CYCLIC GMP CONCENTRATIONS IN A RAT MODEL OF POST-PROSTATECTOMY ERECTILE DYSFUNCTION**  
Louis Aliperti<sup>1</sup>, Sharika Hagan<sup>2</sup>, George Lasker<sup>2</sup>, Joshua Hellstrom<sup>2</sup>, Landon Trost, MD<sup>3</sup>, Suresh Sikka, PhD<sup>2</sup> and Wayne Hellstrom, MD, FACS<sup>2</sup>  
<sup>1</sup>Tulane University School of Medicine; <sup>2</sup>Tulane University; <sup>3</sup>Mayo Clinic  
(Presented By: Louis Aliperti)

## POSTER SESSION II

- Poster# 92**      **THE PENILE DOPPLER PARAMETERS AND CLINICAL RISK FACTORS IN MEN WITH ERECTION HARDNESS SCORE 3-4 AFTER INTRACAVERNOUS INJECTION**  
Qiang Li, Reena Kabaria, MD, Carolyn Cutler, Andrew Ostrowski, Zachary Klaassen, MD, Patrick Fox, MD, Casey McCraw, MD, Roger Chen, MD, Brittani Barrett and Ronald Lewis, MD  
(Presented By: Qiang Li)
- Poster# 93**      **SEXUAL FUNCTION IN MALE PARTNERS OF WOMEN PARTICIPATING IN A SURROGATE MOTHERHOOD PROGRAM**  
Ioannis Giakoumakis, MD, Diamantis Daphnis, BS, PhD<sup>1</sup>, Evlalia Vlachopoulou, BS, PhD<sup>2</sup>, Konstantinos Kotsonas, MD<sup>2</sup>, Nikolaos Kolitsas, MD<sup>2</sup>, Stavros Gratsias, MD<sup>2</sup>, Panagiota Tsounapi, BS, PhD<sup>3</sup>, Sotirios Kouko,s MD, FEBU<sup>2</sup>, Ioannis Giannakis, MD<sup>2</sup>, Atsushi Takenaka, MD, PhD<sup>3</sup> and Nikolaos Sofikitis, MD, PhD, DMSci<sup>2</sup>  
<sup>1</sup>Mediterranean Fertility Institute; <sup>2</sup>Ioannina University; <sup>3</sup>Tottori University  
(Presented By: Ioannis Giakoumakis MD)
- Poster# 94**      **THE EFFECT OF ANTIOXIDANT TREATMENT ON SEMINAL VESICLES AND VAS DEFERENS FUNCTION IN THE DIABETES MELLITUS RAT MODEL.**  
Panagiota Tsounapi, PhD<sup>1</sup>, Motoaki Saito, MD, PhD<sup>2</sup>, Fotios Dimitriadis, MD, PhD, FEBU<sup>3</sup>, Shogo Shimizu, MSc, PhD<sup>4</sup>, Masashi Honda, MD, PhD<sup>1</sup>, Michiyo Iguchi, BS<sup>4</sup>, Shinji Matsunaga, MSc, PhD<sup>4</sup>, Kuniyasu Muraoka, MD, PhD<sup>1</sup>, Takehiro Sejima, MD, PhD<sup>1</sup>, Shuhei Tomita, MD, PhD<sup>4</sup>, Nikolaos Sofikitis, MD, PhD, DMSci<sup>3</sup> and Atsushi Takenaka, MD, PhD<sup>1</sup>  
<sup>1</sup>Division of Urology, Tottori University School of Medicine; <sup>2</sup>Department of Pharmacology, Kochi University School of Medicine; <sup>3</sup>Department of Urology, University of Ioannina School of Medicine; <sup>4</sup>Division of Molecular Pharmacology, Tottori University School of Medicine  
(Presented By: Panagiota Tsounapi, PhD)
- Poster# 95**      **ENDOTHELIAL-ERECTILE DYSFUNCTION AND CARDIOVASCULAR RISK FACTORS RELATIONSHIP**  
Libor Zamecnik, MD, PhD,<sup>1</sup> Tatana Sramkova, MD, PhD<sup>2</sup>, Katerina Sramkova, MD<sup>3</sup> and Tomas Hradec, MD<sup>4</sup>  
<sup>1</sup>Dpt. of Urology, 1st Medical School, Charles University, Prague; <sup>2</sup>Department of Urology, 1st Faculty of Medicine and General University, Department of Sexology, University Hospital, Brno, Czech Republic; <sup>3</sup>Department of Urology, St Annes Hospital, Brno, Czech Republic; <sup>4</sup>Dpt. of Urology, 1st Medical School, Charles University, Prague, Czech Republic  
(Presented By: Libor Zamecnik, MD, PhD,)
- Poster# 96**      **EVALUATION OF SPERM DNA DAMAGE AND ANEUPLOIDY IN MALE SURVIVORS OF PEDIATRIC HODGKIN'S LYMPHOMA**  
Amy Lee Chong, MD<sup>1</sup>, Keith Jarvi, MD<sup>2</sup>, Kirk Lo, MD<sup>2</sup>, Sergey Moskovtsev, MD, PhD<sup>3</sup>, Brendan Mullen, MD<sup>4</sup>, Leia Spencer, RN<sup>2</sup>, David Hodgson, MD<sup>5</sup>, Mark Greenberg, MD<sup>1</sup> and Paul Nathan, MD<sup>1</sup>  
<sup>1</sup>Department of Hematology/Oncology, The Hospital for Sick Children, and Paediatric Oncology Group of Ontario, Toronto, Canada; <sup>2</sup>Murray Koffler Urologic Wellness Centre, Mount Sinai Hospital, Toronto, Ontario, Canada; <sup>3</sup>CREATe Fertility Centre and Department of OBGYN, University of Toronto, Toronto, Canada; <sup>4</sup>Department of PML, Mount Sinai Hospital, Toronto, Ontario, Canada; <sup>5</sup>Department of Radiation Oncology, Princess Margaret Hospital, Toronto, Ontario, Canada  
(Presented By: Sergey Moskovtsev, MD, PhD)
- Poster# 97**      **UPDATES FROM THE CENTERS FOR DISEASE CONTROL AND PREVENTION REGARDING PROGRESS IN MALE REPRODUCTIVE HEALTH**  
Lee Warner, PhD and Hubert Vesper, PhD  
CDC  
(Presented By: Lee Warner, PhD)
- Poster# 98**      **OPIOID-FREE ANALGESIA FOLLOWING ROBOT-ASSISTED LAPAROSCOPIC PROSTATECTOMY (RALP)**  
Xiao Gu, MD, PhD<sup>1</sup>, Motoo Araki, MD, PhD<sup>2</sup> and Wong Carson, MD<sup>3,4,5</sup>  
<sup>1</sup>First Clinical Medical College at Yangzhou University, Yangzhou; <sup>2</sup>Okayama University Graduate School of Medicine; <sup>3</sup>SouthWest Urology, LLC; <sup>4</sup>Parma Community General Hospital; <sup>5</sup>University Hospitals Ahuja Medical Center  
(Presented By: Xiao Gu MD and PhD)
- Poster# 99**      **CORRELATION OF IMMUNOBEAD AND IMMUNOSPHERES IMMUNOGLOBULIN G (IGG) TESTS ON DETECTING ANTISPERM ANTIBODY (ASA) ON SPERM**  
Aniela Bollendorf, MT, HEW<sup>1</sup> and Jerome Check, MD, PhD<sup>2</sup>  
<sup>1</sup>Cooper Institute for Reproductive Hormonal Disorders; <sup>2</sup>Cooper Medical School at Rowan University  
(Presented By: Aniela Bollendorf MT, HEW)

## POSTER SESSION II

- Poster# 100**      **COX-2 AND TLR-4 AS NEW PUTATIVE BIOMARKERS OF CHRONIC INFLAMMATION IN LEUKOCYTO-SPERMIA**  
Sharika Hagan<sup>1</sup>, Debasis Mondal, PhD<sup>2</sup>, Asim Abdel-Mageed, PhD<sup>2</sup>, Wayne Hellstrom, MD, FACS<sup>2</sup> and Suresh Sikka, PhD<sup>2</sup>  
<sup>1</sup>Tulane University School of Medicine; <sup>2</sup>Tulane University  
(Presented By: Sharika Hagan)
- Poster# 101**      **SPERM PROCESSING BY SINGLE DENSITY GRADIENT CENTRIFUGATION SELECTS FOR NORMAL HEAD, MIDPIECE AND TAIL MORPHOLOGY**  
Amin Herati, MD<sup>1</sup>, Andrew De Jesus, BS<sup>2</sup>, Gideon Richards, MD<sup>3</sup> and Bruce Gilbert, MD, PhD<sup>4</sup>  
<sup>1</sup>The Smith Institute for Urology, Hofstra University-North shore/Long Island Jewish Health System; <sup>2</sup>The Men's Fertility Laboratory and New York Cryo; <sup>3</sup>The Smith Institute for Urology, Hofstra University-North Shore/Long Island Jewish Health System.; <sup>4</sup>The Smith Institute for Urology, Hofstra University-North Shore/Long Island Jewish Health System. & The Men's Fertility Laboratory and New York Cryo  
(Presented By: Amin Herati MD)
- PROSTATE / TESTIS CANCER / CLINICAL UROLOGY**
- Poster# 102**      **THE EFFECT OF CIGARETTE SMOKING QUANTITY ON SEMINAL LEUKOCYTES AND SEMEN PARAMETERS**  
Erik Yao, BSc, Mary Samplaski, MD, Kirk Lo, MD, Ethan Grober, MD and Keith Jarvi, MD  
Mount Sinai Hospital, University of Toronto, Toronto, Ontario  
(Presented By: Erik Yao, BSc)
- Poster# 103**      **LOCALIZATION OF SYNAPSIN I IN HUMAN SPERM CELLS**  
William Coleman, PhD, BS, Adam Kulp and Jennifer Venditti, PhD, MS, BS  
Bloomsburg University  
(Presented By: Jennifer Venditti, PhD, MS, BS)
- Poster# 104**      **ELEVATED NITRIC OXIDE LEVELS MEDIATE MOTILITY DEFECTS IN JAM-A AND PMCA4 NULLS: PMCA4 IS A NEGATIVE REGULATOR OF ENDOTHELIAL NITRIC OXIDE SYNTHASE IN MURINE SPERM**  
Emily Jacobson, Amal Al-Dossary, MS and Patricia Martin-DeLeon, PhD  
University of Delaware  
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- Poster# 105**      **JAM-A-CASK COMPLEX INTERACTS WITH CD9 TETRASPANIN AND  $\alpha$ 5 $\beta$ 1 INTEGRIN TO MEDIATE CA<sup>2+</sup> SIGNALING IN CAPACITATION AND THE ACROSOME REACTION IN MURINE SPERM**  
Amal Al-Dossary, MS and Patricia Martin-DeLeon, PhD  
University of Delaware  
(Presented By: Amal Al-Dossary, MS)
- Poster# 106**      **SPERM MORPHOLOGY USING A NOVEL DICHOTOMOUS KEY ALGORITHM IMPROVES ANALYSIS STABILITY, REPRODUCIBILITY AND TEACHABILITY**  
Anna-Marie Bort, Susan A. Rothmann, PhD, John R. Quigley, BS and Robin L. Pillow, BS  
Fertility Solutions  
(Presented By: Anna-Marie Bort)
- Poster# 107**      **COMPARISON OF SPERM CONCENTRATION AND ANALYSIS TIME USING SPERMOCYTOMETER® AND IMPROVED NEUBAUER HEMACYTOMETER COUNTING CHAMBERS**  
Robin Pillow, BS, Anna-Marie Bort, John Quigley, BS and Susan Rothmann, PhD  
Fertility Solutions  
(Presented By: Robin Pillow, BS)
- Poster# 108**      **CONTENT OF TESTIS-SPECIFIC ISOFORM OF NA/K-ATPASE IS INCREASED AND RAFT- AND NON-RAFT POOLS OF THIS PROTEIN ACTIVATE SPECIFIC SIGNALING PATHWAYS DURING BOVINE SPERM CAPACITATION**  
Gayathri Devi Rajamanickam, John Kastelic, DVM, PhD, Dip ACT<sup>1</sup> and Jacob Thundathil, DVM, MVSc, PhD<sup>2</sup>  
<sup>1</sup>Professor and Head, Dept. of Production Animal Health, Faculty of Veterinary Medicine, University of Calgary; <sup>2</sup>Associate Professor, Dept. of Production Animal Health, Faculty of Veterinary Medicine, University of Calgary  
(Presented By: Gayathri Devi Rajamanickam)

## POSTER SESSION II

- Poster# 109**      **ALOE VERA SP. IS AN ACCEPTABLE ALTERNATIVE TO EGG YOLK FOR PRESERVING CANINE SEMEN AT 5°C - PRELIMINARY RESULTS**  
Cibele Melo, Doctorate Student<sup>1</sup>, Cecilia Lima, Undergraduate Student<sup>2</sup>, Rebeca Ramos, Undergraduate Student<sup>3</sup> and Erika Oliveira, PhD<sup>4</sup>  
<sup>1</sup>Northeastern Biotechnology Network (RENORBIO), Recife, PE, Brazil; <sup>2</sup>UFRPE, Department of Veterinary Medicine, Recife, PE, Brazil; <sup>3</sup>UFRPE, Department of Veterinary Medicine, Recife, PE, Brazil; <sup>4</sup>UFRPE  
(Presented By: Erika Oliveira PhD)
- Poster# 110**      **CALCIUM KINETIC IN BOVINE SPERMATOZOA ALTERED BY INHIBITION OF PHOSPHODIESTERASE**  
Anthony Laroche, BScA Agr<sup>1</sup>, Alexandre Bastien, MSc, Phy<sup>1</sup>, Christine Guillemette, MSc<sup>1</sup>, Patrick Vincent, PhD<sup>2</sup>, Patrick Blondin, PhD<sup>2</sup> and François Richard, PhD<sup>1</sup>  
<sup>1</sup>Laval University; <sup>2</sup>L'Alliance Boviteq Inc.  
(Presented By: Anthony Laroche, BScA Agr)
- Poster# 111**      **TWO SIMPLE METHODS THAT DECREASE VARIATION IN SEMEN ANALYSIS RESULTS: LESSONS FROM THE 2013 ANDROLOGY LABORATORY WORKSHOP (ALW) OF THE AMERICAN SOCIETY OF ANDROLOGY**  
John R. Quigley, BS<sup>1</sup>, Anna-Marie Bort<sup>1</sup>, Robin L. Pillow, BS<sup>1</sup>, Susan A. Rothmann, PhD<sup>1</sup> and Steven M. Schrader, PhD<sup>2</sup>  
<sup>1</sup>Fertility Solutions; <sup>2</sup>National Institute for Occupational Safety and Health  
(Presented By: John R. Quigley, BS)
- Poster# 112**      **TERMINALLY DIFFERENTIATED, POST-PUBERTAL RAT SERTOLI CELLS RESUMED PROLIFERATION AFTER TRANSPLANTATION.**  
Jannette Dufour, PhD, Gurvinder Kaur, PhD and Nicky Paniagua  
Texas Tech University Health Sciences Center  
(Presented By: Jannette Dufour, PhD)
- Poster# 113**      **RNA POLYMERASE II PAUSING IS CRITICAL FOR SPERMATOGENESIS AND MALE FERTILITY**  
Prabhakara Reddi, PhD  
(Presented By: Prabhakara Reddi, PhD)
- Poster# 114**      **POTENTIAL GENETIC BIOMARKERS IN AZOOSPERMIA BY MICROASSAY STUDIES: NEW DIMENSION IN THE EVALUATION**  
Vasan Srin, DNB, Fellowship - Andrology<sup>1</sup>, Dr. Praveen Joshi, Mch<sup>1</sup>, Darshan SC, PhD<sup>2</sup> and Acharya KK, PhD<sup>2</sup>  
<sup>1</sup>Manipal Ankur; <sup>2</sup>Institute of Bioinformatics & Applied Biotechnology - IBAB  
(Presented By: Vasan Srin, DNB, Fellowship - Andrology)
- Poster# 115**      **THE HISTONE H3 DEMETHYLASE, KDM1A IS ESSENTIAL FOR THE DIFFERENTIATION OF SPERMATOGONIA AND THE SURVIVAL OF SPERMATOGONIAL STEM CELLS.**  
Romain Lambrot, PhD<sup>1</sup>, Christine Lafleur, MSc<sup>1</sup>, Michael G. Rosenfeld, MD<sup>2</sup> and Sarah Kimmins, PhD<sup>3</sup>  
<sup>1</sup>Department of Animal Science McGill University, Canada; <sup>2</sup>Howard Hughes Medical Institute, University of California at San Diego School of Medicine, USA; <sup>3</sup>Department of Animal Science and Department of Pharmacology and Therapeutics, McGill University, Canada  
(Presented By: Romain Lambrot, PhD)
- Poster# 116**      **SERTOLI CELLS ENFORCE PERITUBULAR MYOID CELL FATE AND ARE ESSENTIAL FOR DIFFERENTIATION, PROLIFERATION AND RETENTION OF ADULT LEYDIG CELLS**  
Lee Smith, BSc, PhD  
MRC Centre for Reproductive Health  
(Presented By: Lee Smith, BSc, PhD)
- Poster# 117**      **E2A AND HEB REGULATE SERTOLI CELL FUNCTION AND FERTILITY IN THE MOUSE**  
Qi-En Yang, PhD and Jon M. Oatley, PhD  
Washington State University  
(Presented By: Qi-En Yang, PhD)
- Poster# 118**      **REGULATION OF THE PROLIFERATION AND DIFFERENTIATION OF ADULT LEYDIG STEM CELLS**  
Hana M. Odeh, Jingjing Guo, Barry R. Zirkin and Haolin Chen  
(Presented By: Haolin Chen)

## POSTER SESSION II

- Poster# 119**      **IMPORTIN PROTEINS IN SPERMATOGENESIS AND SPERM**  
Yoichi Miyamoto, PhD<sup>1</sup>, Arash Arjomand, PhD<sup>1</sup>, Mark Baker, PhD<sup>2</sup>, Christopher Main, BSc<sup>3</sup>, Elizabeth Richards, BSc<sup>1</sup>, David A. Jans, PhD<sup>1</sup> and Kate Loveland, PhD<sup>4</sup>  
<sup>1</sup>Department of Biochemistry & Molecular Biology, Monash University, Clayton, VIC, Australia; <sup>2</sup>Priority Research Centre in Reproductive Science, School of Environmental and Life Sciences, The University of Newcastle, Callaghan, NSW, Australia; <sup>3</sup>Department of Anatomy & Developmental Biology, Monash University, Clayton, VIC, Australia; <sup>4</sup>Departments of Biochemistry & Molecular Biology and Anatomy & Cell Biology, Monash University, Clayton, VIC, Australia  
(Presented By: Kate Loveland, PhD)
- Poster# 120**      **MITOCHONDRIAL METABOLIC ACTIVITY ASSISTS WITH REGULATION OF STEROID PRODUCTION IN MA-10 MOUSE LEYDIG CELLS**  
Malena Rone, PhD, Andrew Midzak, PhD, Daniel Martinez-Arguelles, PhD and Vassilios Papadopoulos, DPharm, PhD  
Reserach Institute of McGill University Health Centre  
(Presented By: Malena Rone, PhD)
- Poster# 121**      **THE ANCIENT AND EVOLUTIONARILY CONSERVED REGULATORS OF PROTEIN PHOSPHATASE PP1, PPP1R2, PPP1R7, AND PPP1R11, ARE EXPRESSED AS TESTIS-SPECIFIC ISOFORMS DURING SPERMIOGENESIS.**  
Nilam Sinha, Luis Korrodi-Gregorio, PhD<sup>1</sup>, Douglas Kline, PhD<sup>2</sup> and Srinivasan Vijayaraghavan, PhD<sup>2</sup>  
<sup>1</sup>University of Aveiro, Aveiro, Portugal; <sup>2</sup>Kent State University, Kent, OH  
(Presented By: Nilam Sinha)
- Poster# 122**      **NON-STEROIDAL LIGANDS OF THE CHOLESTEROL RECOGNITION AMINO ACID CONSENSUS (CRAC) MOTIF OF THE 18-KDA TRANSLOCATOR (TSPO) PROTEIN AND THEIR EFFECTS ON STEROID HORMONE BIOSYNTHESIS**  
Andrew Midzak, PhD<sup>1</sup>, Nagaraju Akula, PhD<sup>2</sup> and Vassilios Papadopoulos, PhD, PharmD<sup>3</sup>  
<sup>1</sup>McGill University; <sup>2</sup>Research Institute of the McGill University Health Centre; <sup>3</sup>McGill University, Research Institute of the McGill University Health Centre  
(Presented By: Andrew Midzak, PhD)
- Poster# 123**      **HUSP26 EXPRESSION AND RELATIONSHIP TO ANDROGEN RECEPTOR IN NORMAL HUMAN TESTIS**  
Matthew Wosnitzer, MD<sup>1</sup>, Anna Mielnik, MS<sup>1</sup>, Ali Dabaja, MD<sup>1</sup>, Brian Robinson, MD<sup>2</sup>, Peter Schlegel, MD<sup>1</sup> and Darius Paduch, MD<sup>1</sup>  
<sup>1</sup>Department of Urology, Weill Cornell Medical College, New York, NY 10065; <sup>2</sup>Department of Pathology, Weill Cornell Medical College, New York, NY 10065  
(Presented By: Matthew Wosnitzer, MD)
- Poster# 124**      **ROLE OF ATAD3 IN THE HORMONE- INDUCED ER-MITOCHONDRIAL ORGANIZATION IN HORMONE-INDUCED LEYDIG CELL STEROIDOGENESIS**  
Leeyah Issop, PhD, Jinjnag Fan, PhD, Sunghoon Lee, MSC, Malena B. Rone, PhD and Vassilios Papadopoulos, DPharm, PhD  
RI MUHC  
(Presented By: Leeyah Issop, PhD)
- Poster# 125**      **EFFECTS OF SILDENAFIL ON RAT SPERM DNA INTEGRITY**  
Evlalia Vlachopoulou, BS, PhD<sup>1</sup>, Ioannis Giakoumakis, MD<sup>2</sup>, Diamantis Daphnis, BS, PhD<sup>2</sup>, Ioannis Georgiou, BS, PhD<sup>3</sup>, Dimitrios Baltogiannis, MD, PhD<sup>4</sup>, Leandros Lazaros, BS, PhD<sup>3</sup>, Ioannis Giannakis, MD<sup>4</sup>, Panagiota Tsounapi, BS, PhD<sup>5</sup>, Atsushi Takenaka, MD, PhD<sup>5</sup> and Nikolaos Sofikitis, MD, PhD, DMSci<sup>4</sup>  
<sup>1</sup>Post Doctoral Position; <sup>2</sup>Mediterranean Fertility Center And Genetic Services; <sup>3</sup>Ioannina University, Obstetrics and Gynecology; <sup>4</sup>Ioannina University, Department of Urology; <sup>5</sup>Tottori University, Department of Urology  
(Presented By: Evlalia Vlachopoulou, BS, PhD)

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