

**Poster Presentation | Thursday, September 22nd, 2022**

| Times          | TV 1  | TV 2   |
|----------------|---|--|
| 5:30 - 5:40 PM |   |  |
| 5:40 - 5:50 PM | Ola Davis   Cost-benefit analysis of PGT-A for embryo selection: A Canadian perspective   | Iryna Kuznyetsova   Permeable Cryoprotectant-free Vitrification of Human Testicular and Epididymal Spermatozoa: Fertilization Rate and Embryo Development  |
| 5:50 - 6:00 PM | Devon Dickson   Exploring The Relationship Between Trophectoderm Mitochondrial DNA Ratio and Embryo Morphology  | Sheila Kwok   An Extended Culture System Mimicks Early Human Embryo Development in vitro   |
| 6:00 - 6:10 PM | Amanda Forsyth-Greig   The Association Between Marijuana Use and Semen Quality: A Retrospective Study   | BREAK  |
| 6:10 - 6:20 PM | BREAK   | Iryna Kuznyetsova   Permeable Cryoprotectant-free Vitrification of a Large Volume of Human Ejaculated Spermatozoa  |
| 6:20 - 6:30 PM | Joanna Greer   The Impact of Magnetic Activated Sperm Sorting on Sperm DNA Fragmentation and HBA Binding Compared To Current Sperm Selection Procedures | Louise Lapensée   Impact of the total dose of gonadotropine (Gn) on live birth (LB) in fresh versus frozen embryo transfer (FET) from the same in vitro fertilization (IVF) cycle; a retrospective |
| 6:30 - 6:40 PM | Ana Carrera   Reproductive outcomes of ICSI in men with high sperm DNA fragmentation: Ejaculated sperm selected by MACS vs testicular sperm             | Lianet Lopez   Human umbilical cord perivascular cells (HUCPVC) reduce ovarian fibrosis and improve pregnancy rates in a mouse model of natural ovarian aging                                      |
| 6:40 - 6:50 PM | BREAK   | Aleksander Mihajlovic   Kif18a preserves female fertility by ensuring euploidy during meiosis  |
| 6:50 - 7:00 PM |   |  |

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| Times          | TV 3  | TV 4   |
|----------------|---|--|
| 5:30 - 5:40 PM |   |  |
| 5:40 - 5:50 PM | Gary Nakhuda   Comparison of mtDNA & MAPD as determinants of sustained implantation of euploid blastocysts.   | Mélodie Desnoyers   Implication of Fragile-X Related Proteins and Neurotrophic Factors in Establishing Transzonal Projections  |
| 5:50 - 6:00 PM | BREAK   | Dilan Fernando   A retrospective study of the feasibility, safety, and accuracy of Hysterosalpingo-foam sonography (HyFoSy) in tubal patency assessment                          |
| 6:00 - 6:10 PM | Subhendu Mukherjee   Intravenous human umbilical cord perivascular cells treatment in a mouse model of natural aging results in the upregulation anti-aging proteins in lung tissue                               | BREAK  |
| 6:10 - 6:20 PM | Ana Novoselska   An increased mitochondrial RNA/nuclear RNA (mt/nRNA) ratio is predictive of implantation potential.  | Artak Tadevosyan   Sperm DNA fragmentation (SDF) is not correlated with the oxidation-reduction potential (ORP) in men presenting for infertility evaluation.                    |
| 6:20 - 6:30 PM | Gary Nakhuda   Counseling oocyte cryopreservation patients: the impact of the time interval from counseling to retrieval on the concordance between pre-treatment predictions and post-retrieval parameters.      | BREAK  |
| 6:30 - 6:40 PM | Fyyaz Siddiqui   First Trimester Human Umbilical Cord Perivascular cells (HUCPVC) Modulate the Kynurenine Pathway and Glutamate Neurotransmission in an LPS-induced Mouse Model of Neuroinflammation & Depression | Brandon Wyse   Obesity and PCOS radically alters the smallRNA composition of follicular fluid extracellular vesicles   |
| 6:40 - 6:50 PM | Youngmin Song   The Surface Phenotype of Spermatogonial Stem Cells in Postnatal Development   | Artak Tadevosyan   Sperm deoxyribonucleic acid integrity decreases with age and exhibits a rapid decline beyond the age of 35: a retrospective evaluation of 3446 semen samples. |
| 6:50 - 7:00 PM |   |  |

**Poster Presentation | Thursday, September 22nd, 2022**

| Times          | TV 5   | TV 6  |
|----------------|--|---|
| 5:30 - 5:40 PM |  |   |
| 5:40 - 5:50 PM | Li Zhang   The efficiency of different WGA (Whole Genome Amplification) technique in the diagnosis of Preimplantation Genetic Testing (PGT)    | Alexander Lagunov   Novel Objective Oocyte Quality Grading Algorithm  |
| 5:50 - 6:00 PM | BREAK  | Alyson Digby   Assessment of the relationship of letrozole stimulated mature follicle number and multiple pregnancy rate (MPR) following intrauterine |
| 6:00 - 6:10 PM | Xiao yun Zhang   Chromosome Abnormalities Including Mosaicism In Preimplantation Embryos From Karyotypically Normal and Translocation Carriers | BREAK   |
| 6:10 - 6:20 PM | Li Zhang   Preimplantation Genetic Testing for Monogenetic Disease (PGT-M) with more than one Inherited Diseases in One Family                 | Alina Tartia   Time-lapse KIDScoreD5 and clinical outcomes indicate similar pregnancy potential for multinucleated and non-multinucleated blastocysts |
| 6:20 - 6:30 PM | Justin White   Assessment of Semen Parameters in Transgender Women   | Tao Tao   Correlation of mitochondrial DNA with ploidy status and maternal age in human blastocysts   |
| 6:30 - 6:40 PM | Zeynep Uraz   Hemoglobin A1C levels are associated with clinical pregnancy rates in frozen embryo transfers                                    | Maria Perfiliev Mejia   Effect of indication for ovum donation on pregnancy rates in donor egg cycles   |
| 6:40 - 6:50 PM | Filip Vasilev   It's good to talk: communication between sister cells by cytoplasmic bridges in preimplantation embryos                        | BREAK   |
| 6:50 - 7:00 PM |  |   |