

Lucky H. Sekhon MD

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EDUCATION

2006	B.Sc.	McGill University (Montreal, Quebec)
2010	M.D.	Royal College of Surgeons in Ireland (Dublin, Ireland) Graduated with Honors

POSTDOCTORAL TRAINING

2011-2015	Resident, Department of Obstetrics, Gynecology and Reproductive Science, Mount Sinai Health System, New York, NY
2/2014-3/2014	Beth Israel Deaconess Hospital/Harvard Medical School, Boston, MA Clinical/Research Resident Elective in Reproductive Endocrinology and Infertility
2015 – 2018	Fellow, Department of Reproductive Endocrinology & Infertility, Icahn School of Medicine at Mount Sinai – Reproductive Medicine Associates New York, New York, NY

HONORS/AWARDS

2006	Royal College of Surgeons in Ireland Awarded Medal of Excellence for research presentation on male reproductive function
2013	American Society of Reproductive Medicine Resident Reporter at annual meeting in Boston, MA
2014	Pacific Coast Reproductive Society Resident/Fellow In Training Scholarship to attend annual meeting in Palm Springs, CA
2014	Icahn School of Medicine at Mount Sinai/Mount Sinai Medical Center, New York, NY Resident Research Day – presentation on ‘Obstetric outcomes of donor oocyte IVF twin gestations’ was selected as prize research project, recipient of \$2,000 research grant.
7/2014-6/2015	Icahn School of Medicine at Mount Sinai/Mount Sinai Medical Center, New York, NY Administrative Chief Resident

- 2016 Pacific Coast Reproductive Society
Fellow In Training Research Award/Scholarship to attending annual meeting in Palm Springs, CA
- 2016 New York Obstetrical Society
Fellow Research Award for oral presentation of abstract entitled "Using old technology to ask a new question: does the uterus age?"
- 2018 Pacific Coast Reproductive Society
Fellow In Training Research Award/Scholarship to attending annual meeting in Palm Springs, CA
- 2018 Pacific Coast Reproductive Society
Awarded 2nd Place Prize Research Paper at annual meeting in Palm Springs, CA

COMMITTEES

- 2013-2015 Icahn School of Medicine at Mount Sinai/Mount Sinai Medical Center, New York, NY
Elected as OB/GYN representative for House Staff Council
- 2013-2015 Icahn School of Medicine at Mount Sinai/Mount Sinai Medical Center, New York, NY
Member of Resident Education Committee
- 2014-2015 Icahn School of Medicine at Mount Sinai/Mount Sinai Medical Center, New York, NY
Member of Resident/Fellow-Medical Student Research Liaison Committee
- 2016-2018 American Society for Reproductive Medicine Task Force, Birmingham, AL
Co-authored the task force document on the use of immunomodulators as an adjunct to IVF treatment.

PUBLICATIONS & RESEARCH ACTIVITIES

- 2003-2010 Center for Reproductive Medicine, Cleveland Clinic, Ashok Agarwal
Multiple research internships
- 2010-2011 Toronto Institute for Reproductive Medicine-Repromed, Alfonso Del Valle
Research Associate
- 2011-2015 Resident research with several members of faculty at both Reproductive Medicine Associated New York and within department of OB/GYN and Reproductive Science. Preceptors: Charles Ascher-Walsh, Alan Copperman, Lawrence Grunfeld
- 2015-2018 Fellow research with several members of faculty at both Reproductive Medicine Associated New York and within department of OB/GYN and Reproductive Science. Preceptors: Alan Copperman, Robert Sebra

- 2017-Present Prospective observational study regarding the effect of myomectomy on AMH levels. Trial is ongoing at the department of OBGYN and Reproductive Science at the Icahn School of Medicine at Mount Sinai and RMANY. Preceptors: Charles Ascher-Walsh and Alan Copperman.
- 2018-Present Ongoing research concerning the human embryonic transcriptome, conducted at RMANY and within the Department of Genetics and Genomic Sciences at Icahn School of Medicine at Mount Sinai. Preceptors: Alan Copperman, Robert Sebra, Eric Schadt.

Peer Reviewed Articles

Gupta S, Agarwal A, **Sekhon L**, Krajcir N, Cocuzza M, Falcone T. Serum and peritoneal abnormalities in endometriosis: potential use as diagnostic markers. *Minerva Ginecologica*. 2006 Dec; 58(6): 527-551. PMID: 17108882.

Agarwal A, Gupta S, **Sekhon L**, Shah R. Redox considerations in female reproductive function and assisted reproduction: from molecular mechanisms to health implications. *Antioxidants and Redox Signalling*. 2008 Aug; 10(8): 1375-1403. PMID: 18402550.

Gupta S, Aziz N, **Sekhon L**, Agarwal R, Mansour G, Li J, Agarwal A. Lipid peroxidation and antioxidant status in preeclampsia: a systematic review. *Obstetrics and Gynecology Survey*. 2009 Nov; 64(11): 750-759.; PMID: 19849867.

Sekhon L. Changing patient needs: issues and ethics of maternal requested caesarean delivery. *Royal College of Surgeons in Ireland Student Medical Journal*. 2010 Mar; 3(1): 61-64.

Sekhon L, Gupta S, Kim Y, Agarwal A. Female infertility and antioxidants. *Current concepts in female infertility management, Current Women's Health Reviews*. 2010 Apr; 6(2): 84-95.

Gupta S, **Sekhon L**, Kim Y, Agarwal A. The role of oxidative stress and antioxidants in assisted reproduction. *Current Women's Health Reviews*. 2010 Aug; 6: 227-238.

Agarwal A, **Sekhon L**. The role of antioxidants in the treatment of male infertility. *Human Infertility* 2010 Dec; 13(4):217-25.
Cited in PubMed; PMID: 21117931.

Agarwal A, **Sekhon L**. Oxidative stress and antioxidants for idiopathic oligoasthenoteratozoospermia: is it justified? *Indian Journal of Urology* 2011 Jan; 27(1):74-85. PMID: 21716893.

Sekhon L, Gerber RS, Rebarber A, Saltzman DH, Klauser CK, Gupta S, Fox, NS. The effect of oocyte donation on pregnancy outcomes in IVF twin gestations. *Fertility and Sterility* 2014; 101(5): 1326-30.

Lee J, **Sekhon L**, Copperman AB. In vitro maturation: Is it better to freeze then mature or mature then freeze? In: *Current Opinion in Obstetrics and Gynecology* 2014.

Sekhon L, Shaia K, Santistevan A, Cohn KH, Lee JA, Beim PY, Copperman AB. The cumulative dose of gonadotropins used for controlled ovarian stimulation does not influence the odds of embryonic aneuploidy in patients with normal ovarian response. *J Assist Reprod Genet* 2017; 34(6): 749-58.

Rodriguez-Purata R, Pacheco R, **Sekhon L**, Lee JA, Grunfeld L, Mukherjee T, Sandler B, Copperman AB. Reproductive outcome is optimized when an embryo transfer is performed 1 to 3 months after cervical dilation. *Journal of Gynecology & Obstetrics*. 2017

Shaia K, **Sekhon L**, Rosen L, Robbins A, Astill N, Ascher-Walsh C. Reproductive outcomes following robotic myomectomy. *International Journal of Reproduction, Contraception, Obstetrics and Gynecology* 2017; 6(5): 1737-45.

Nazem TG, **Sekhon L**, Lee JA, Overbey J, Pan S, Duke M, Briton-Jones C, Whitehouse M, Copperman AB, Stein D. The correlation between morphology and implantation of euploid human blastocysts. *Reprod Biomed Online* 2018 [In Press].

Sekhon L, Lee JA, Flisser E, Copperman AB, Stein D. Blastocyst vitrification, cryostorage and warming does not affect live birth rate, infant birthweight or timing of delivery. *Reprod Biomed Online* 2018; 37(1):33-42.

Herlihy N, **Sekhon L**, Lee JA, Stein D, Copperman AB, Caring for BRCA Carriers: Strategies to promote health and preserve fertility. *Journal of Women's Health and Gynecology* 2018; 101: 1-10.

Abstracts

Sekhon L, Agarwal A. A review of external quality control in the andrology laboratory. Poster presented at: Meeting at Center for Advanced Research in Human Reproduction, Infertility, and Sexual Function, Dept. of Ob/Gyn at the Cleveland Clinic; Cleveland, OH, August 2003.

Ascher-Walsh CJ, Capes TL, **Sekhon L**. Risk factor for extended length of stay in patients undergoing a laparoscopic supracervical hysterectomy. Abstract accepted as oral presentation at 39th Global Congress Meeting for American Association for Gynecologic Laparoscopists in Las Vegas, NV, 2010.

Ascher-Walsh CJ, Capes TL, **Sekhon L**. Risk factor for extended length of stay in patients undergoing robot-assisted laparoscopic myomectomy. Abstract presented as poster at 39th Global Congress Meeting for American Association for Gynecologic Laparoscopists in Las Vegas, NV, 2010.

Sekhon L, Grunfeld L, Duke M, Copperman A. Same day ET transfer after rapid PCR analysis of thawed blastocysts undergoing trophoctoderm biopsy. Abstract presented as poster presentation at Pacific Coast Reproductive Society meeting in Indian Wells, CA, April 2013.

Sekhon LH, Cervantes E, Knopman J, Sandler B, Copperman A, Grunfeld L. Transfer of frozen embryos in the cycle following a failed ART cycle does not require down regulation to achieve adequate endometrial preparation as LH is suppressed by estradiol. Abstract presented as poster at ASRM meeting in Boston, MA, October 2013.

Sekhon L, Gerber RS, Rebarber A, Saltzman DH, Klauser CK, Gupta S, Fox, NS. The effect of oocyte donation on pregnancy outcomes in twin gestations. Abstract presented as a poster at Society for Maternal Fetal Medicine meeting 2014.

Sekhon L, Said T, Del Valle A. Percutaneous transabdominal oocyte retrieval using vaginal ultrasound probe: a novel, effective and safe method for oocyte retrieval in patients with vaginally inaccessible ovaries. Abstract presented as a poster at the Pacific Coast Reproductive Society 2014 annual meeting.

Sekhon L, Said T, Del Valle A. The opinions and concerns of current sperm donors regarding donor identity disclosure. Abstract - oral presentation at the Pacific Coast Reproductive Society 2014 annual meeting.

Sekhon L, Holmes R, Bower J, Berger B, Sakkas D. Vitrified versus fresh donor oocytes: equal efficacy and improved efficiency in a large IVF program. Abstract – oral presentation at ASRM Annual Meeting 2014, Honolulu, HI.

Sekhon L, Lee JA, Whitehouse MC, Copperman AB, Grunfeld L. Letrozole as an adjunct to GnRH antagonist IVF cycles improves outcome in poor responders. Abstract presented as a poster at ASRM Annual Meeting 2014, Honolulu, HI.

Sekhon L, Lee JA, Whitehouse MC, Copperman AB, Grunfeld L. Using new technology to ask an old question: does the uterus age? Abstract accepted as poster presentation at ASRM Annual Meeting 2015, Baltimore, MD.

Barasch A, **Sekhon L**, Rosen L, Robbins A, Ascher-Walsh C. Evaluation of symptom resolution in patients with a small number of myomas following robotic-assisted laparoscopic myomectomy. Abstract presented at American Association of Gynecological Laparoscopists (AAGL) 2015.

Robbins A, **Sekhon L**, Rosen L, Barasch A, Ascher-Walsh C. Risk of recurrence of myomas following robotic-assisted laparoscopic myomectomy. Abstract presented at American Association of Gynecological Laparoscopists (AAGL) 2015.

Rosen L, **Sekhon L**, Robbins A, Barasch A, Ascher-Walsh C. Fertility and pregnancy outcomes following robotic myomectomy. Abstract presented at American Association of Gynecological Laparoscopists (AAGL) 2015.

Sekhon L, Mukherjee T, Rodriguez-Purata J, Lee JA, Briton-Jones C, Copperman AB. Preimplantation genetic testing of embryos in donor egg cycles is associated with a decrease in the number of embryos transferred and an improved implantation rate. Abstract accepted as oral presentation at Pacific Coast Reproductive Society Annual Meeting 2016, Palm Springs, CA.

Sekhon L, Lee JA, Mehta S, Mukherjee T, Sandler B, Rodriguez-Purata J, Copperman AB. Are euploid embryos less likely to result in ectopic implantation? Abstract accepted as oral presentation at American Congress of Obstetricians and Gynecologists Annual Meeting 2016, Washington DC.

Bar-Chama N, Rodriguez-Purata J, Whitehouse MC, Lee JA, **Sekhon L**, Costigan K, Mukherjee T, Copperman AB. Is there a correlation between teratozoospermia and embryonic aneuploidy?

Abstract accepted as oral presentation at American Urology Association Annual Meeting, San Diego, CA. May 6-10, 2016

Kon M, **Sekhon L**, Shaia K, Whitehouse MC, Lee JA, Slifkin R, Flisser E, Klein J, Lederman M, Grunfeld L, Mukherjee T, Sandler B, Copperman AB, Stein DE. Number of supernumerary euploid embryos from an ivf cycle correlates with an ongoing pregnancy rate after subsequent single, euploid embryo transfer (SET). Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Slifkin R, Rodriguez-Purata J, **Sekhon L**, Lee JA, Whitehouse MC, Copperman AB, Sandler B, Duke M. Does vitrification day matter: euploid embryos with identical day 5/6 morphology grade and frozen embryo transfer cycle outcomes. Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Rodriguez-Purata J, **Sekhon L**, Lee JA, Whitehouse MC, Mukherjee T, Sandler B, Copperman AB. Technological advancements translate to bigger babies: an 11 year trend in art outcome at a single practice. Oral Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Rodriguez-Purata J, Santistevan A, **Sekhon L**, Lee JA, Hunter Cohn K, Mukherjee T, Sandler B, Yurttas Beim Y, Copperman AB. $1 + 1 > 2$: A cost effectiveness analysis of set with PGS in two successive cycles vs a DET with PGS in one. Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Rodriguez-Purata J, **Sekhon L**, Lee JA, Whitehouse MC, Slifkin R, Duke M, Briton-Jones C, Copperman AB, Sandler B. Fertilization rates are not improved by use of ICSI versus conventional insemination in IVF cases using donor sperm. Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Rodriguez-Purata J, **Sekhon L**, Lee JA, Whitehouse MC, Cervantes E, Luna M, Briton-Jones C, Mukherjee T, Copperman AB, Sandler B. A high prevalence of abnormal embryos after an IVF/PGS cycle should not deter patients from pursuing a second cycle. Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Rodriguez-Purata J, **Sekhon L**, Lee JA, Whitehouse MC, Copperman AB, Sandler B. Fertility outcomes in women with hypopituitarism who undergo ART treatment. Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Rodriguez-Purata J, **Sekhon L**, Lee JA, Whitehouse MC, Slifkin R, Flisser E, Duke M, Copperman AB, Sandler B, Bar-Chama N. Does severe teratozoospermia is correlated with embryonic aneuploidy rates? Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Rodriguez-Purata J, **Sekhon L**, Lee JA, Luna M, Mukherjee T, Copperman AB, Sandler B. Lack of progesterone rise post-trigger correlates with sub-optimal clinical outcomes despite normal fertilization rate. Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Shaia K, Rodriguez-Purata J, Lee JA, Grunfeld L, Copperman AB. The presence of a thin endometrial stripe in extremely low bmi patients is not associated with lower implantation rates. Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Herlihy N, Rodriguez-Purata J, Lee JA, Whitehouse MC, McAvey B, Grunfeld L, Mukherjee T, Sandler B, Copperman AB. The predictive value of the first serum HCG level following transfer of a single, euploid, frozen, embryo transfer (FET). Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Rodriguez-Purata J, Aharon D, Lee JA, Whitehouse MC, Klein J, Lederman M, Grunfeld L, Mukherjee T, Copperman AB. Interpreting early HCG dynamics in the era of the thawed euploid single embryo transfer: how important is doubling? Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Rodriguez-Purata J, Lee JA, Briton-Jones C, Copperman AB. Are reproductively competent blastocysts with poor morphological grade at an increased risk for adverse perinatal outcome? Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Rodriguez-Purata J, Lee JA, Whitehouse MC, Lederman M, Copperman AB. Ovarian reserve and embryonic aneuploidy rates in brca 1 and 2 carriers. Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Rodriguez-Purata J, Lee JA, Grunfeld L, Copperman AB. Extending ovarian stimulation in patients who are slow to respond: does persistence pay off? Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Shaia K, Rodriguez-Purata J, Lee JA, Copperman AB. Does fresh embryo transfer accentuate the perinatal risks of dichorionic twin gestations? Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Rodriguez-Purata J, Lee JA, Briton-Jones C, Copperman AB. Sexual dimorphism potential: is there a difference? Oral Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Kon M, Rodriguez-Purata J, Lee JA, McAvey B, Copperman AB. Are early morphokinetic parameters predictive of monozygotic splitting after single embryo transfer (SET)? Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Connolly K, Herlihy N, Rodriguez-Purata J, Lee JA, Copperman AB. Perinatal outcomes in live births from fresh versus frozen single embryo transfers. Poster Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Rodriguez-Purata J, Lee JA, Whitehouse MC, Copperman AB. Methotrexate treatment of ectopic pregnancy does not impact ovarian reserve or clinical outcome, regardless of the duration of time since exposure. Oral Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Aharon D, Herlihy N, Rodriguez-Purata J, Lee JA, Sandler B, Stein DE, Copperman AB. Fresh versus frozen euploid embryo transfer into a synthetically prepared endometrial cavity: examining the effect of blastocyst vitrification on cycle outcome. Oral Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016

Sekhon L, Herlihy N, Rodriguez-Purata J, Lee JA, Sandler B, Stein DE, Copperman AB. Vitrification and thawing of preimplantation embryos does not affect perinatal outcome. Oral Presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT. October 15-19, 2016.

Sekhon L, Nazem T, Zgodic A, Hunter Cohn K, Wu H, Grunfeld L, Yurttas Beim P, Copperman AB. The degree to which PGS increases IVF efficiency is correlated with increased maternal age. Poster presentation, 72nd Annual Meeting of the American Society for Reproductive Medicine (ASRM), Salt Lake City, UT, 2016.

Rodriguez-Purata J, **Sekhon L**, Lee JA, Whitehouse MC, Copperman AB, Sandler B. FET in the cycle immediately after FET/cryo all with preimplantation genetic screening results in higher implantation rate and decreased early pregnancy loss rate compared to deferred FET. Poster presentation, 32nd Annual Meeting of European Society of Human Reproduction and Embryology, Helsinki, Finland, July 3-6, 2016.

Gingold JA, **Sekhon L**, Whitehouse MC, Lee JA, Rodriguez-Purata J, Copperman AB. What is the ideal interval for re-testing anti-mullerian hormone (amh) levels in an infertility population? ePoster presentation, 2016 Annual American Congress of Obstetricians and Gynecologists.

Sekhon L, Feuerstein J, Lee JA, Copperman AB, Grunfeld L. A comparison of preimplantation genetic testing platforms: targeted next generation sequencing (NGS) results in comparable clinical outcomes despite identifying fewer suitable embryos for transfer. Poster presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX, October 30-November 1, 2017.

Aharon D, **Sekhon L**, Rodriguez-Purata J, Lee JA, Slifkin R, Briton-Jones C, Duke M, Flisser E, Copperman AB. Is reproductive potential compromised when embryos are re-biopsied? Poster Presentation, 2017 Annual Meeting Pacific Coast Reproductive Society, Renaissance Indian Wells, in Indian Wells, California. March 22-26, 2017.

Shaia K, **Sekhon L**, Lee JA, Mukherjee T, Grunfeld L, Sandler B, Copperman MD. Is there more to the story than aneuploidy: uncovering factors associated with early pregnancy loss following euploid embryo transfer. Poster Presentation, 2017 Annual Meeting Pacific Coast Reproductive Society, Renaissance Indian Wells, in Indian Wells, California. March 22-26, 2017.

Nazem TG, Rodriguez-Purata J, **Sekhon L**, Hernandez-Nieto C, Lee JA, Copperman AB, Sandler B. Patients undergoing pre-implantation genetic diagnosis (pgd) for a single gene

disorder (sgd) may benefit from including pre-implantation genetic screening (pgs) for aneuploidy. Poster Presentation, 2017 Annual Meeting Pacific Coast Reproductive Society, Renaissance Indian Wells, in Indian Wells, California. March 22-26, 2017.

Nazem TG, Rodriguez-Purata J, **Sekhon L**, Hernandez-Nieto C, Lee JA, Copperman AB, Sandler B. A robust progesterone (p4) rise post-surge is indicative of adequate luteinization and confers improved pregnancy outcomes even in the presence of a post-trigger fall in estradiol (E2). Poster Presentation, 2017 Annual Meeting Pacific Coast Reproductive Society, Renaissance Indian Wells, in Indian Wells, California. March 22-26, 2017.

Herilhy N, Rodriguez-Purata J, **Sekhon L**, Lee JA, Whitehouse MC, Copperman AB, Sandler B. Histopathological evaluation of placentas from pregnancies resulting from fresh versus frozen embryo transfers. Poster Presentation, 2017 Annual Meeting Pacific Coast Reproductive Society, Renaissance Indian Wells, in Indian Wells, California. March 22-26, 2017.

Hernandez-Nieto C, Rodriguez-Purata J, **Sekhon L**, Lee JA, Whitehouse MC, Copperman AB, Sandler B. Mendel's law of segregation validated through preimplantation genetics diagnosis. Poster Presentation, 2017 Annual Meeting Pacific Coast Reproductive Society, Renaissance Indian Wells, in Indian Wells, California. March 22-26, 2017.

Hernandez-Nieto C, Lee JA, **Sekhon L**, Luna M, Stein DE, Mukherjee T, Copperman AB, Sandler B. Selective serotonin reuptake inhibitors exposure prior to ART treatment does not affect blastulation rate. Oral Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017 (2017 American Society for Reproductive Medicine Corporate Member Council In-training Award).

Briton-Jones C, **Sekhon L**, Lee JA, Feuerstein J, Slifkin R, Duke M, Copperman AB. Targeted next generation sequencing (NGS) identifies higher proportions of monosomies in the larger chromosome groups than qPCR. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Briton-Jones C, **Sekhon L**, Lee JA, Feuerstein J, Moschini RA, Duke M, Copperman AB. The mechanics of aneuploidy: chromosome structure and patient age. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Aharon D, **Sekhon L**, Lee JA, Mukherjee T, Ascher-Walsh C, Copperman AB. Does the interval of time between hysteroscopy and embryo transfer affect clinical outcome? Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Levin I, **Sekhon L**, Nazem TG, Lee JA, Copperman N, Bell M, Daneyko M, Copperman AB. How often do patients undergoing IVF with preimplantation genetic screening have an embryo sex preference? Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Sekhon L, Feuerstein J, Nazem TG, Lee JA, Mukherjee T, Sandler B, Grunfeld T, Copperman AB. Endometrial preparation for FET: Does the duration of estradiol supplementation matter? Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Sekhon L, Briton-Jones C, Lee JA, Slifkin R, Duke M, Copperman AB, Mukherjee T. Blastocyst collapse and downgrading of inner cell mass morphology score after vitrification-warming is predictive of reduced implantation and increased early pregnancy loss. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Sekhon L, Nazem TG, Lee JA, Briton-Jones C, McAvey B, Copperman AB. The association between aneuploidy and the rate of blastocyst development is age dependent. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Sekhon L, Nazem TG, Lee JA, Copperman N, Briton-Jones C, Mukherjee T, Copperman AB. Does the number of trophoblast cells analyzed by targeted next generation sequencing correlate with the incidence of aneuploidy, mosaic, or indeterminate results. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Sekhon L, Nazem TG, Gounko D, Lee JA, D. Godfrey D, Kudesia R, Copperman AB. Elevated body mass index does not impact the efficacy of aromatase inhibitors (AI) for ovulation induction. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Sekhon L, Lee JA, Duke M, Briton-Jones C, Flisser E, Copperman AB. The duration of cryostorage of biopsied embryos neither impacts implantation potential nor surrogate markers of placentation. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Sekhon L, Nazem TG, Lee JA, Gounko D, Copperman AB, Grunfeld L. Fragile X carriers with CGG repeats in the intermediate and premutation range exhibit diminished ovarian reserve but are not at risk of increased embryonic aneuploidy. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Sekhon L, Feuerstein J, Nazem TG, Briton-Jones C, Lee JA, Grunfeld L, Copperman AB. The incidence of mosaicism is not associated with advanced maternal age or diminished ovarian reserve. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Herlihy N, **Sekhon L**, Oliva M, Nazem TG, Hernandez-Nieto CA, Lee JA, Sandler B, Mukherjee T, Copperman AB. An obstetrical perspective: the benefits of a frozen embryo transfer cycle. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Herlihy N, **Sekhon L**, Nazem TG, Hernandez-Nieto CA, Oliva M, Lee JA, Sandler B, Mukherjee T, Copperman AB. Does morphologic grading of embryonic trophoblast correlate with quality of placentation and perinatal outcome? Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Yerkes S, **Sekhon L**, Lee JA, Daneyko M, Copperman AB. Ovum donation in an era of preimplantation genetic testing: how should we counsel patients? Oral Presentation, 73rd

Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Nazem TG, **Sekhon L**, Lee JA, Gounko D, Mukherjee T, Copperman AB. Does a post-surge drop in estradiol ultimately affect embryo implantation in freeze-all cycles? Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Nazem TG, **Sekhon L**, Hernandez-Nieto CA, Lee JA, Gounko D, Sandler B, Copperman AB. Mode of progesterone administration in euploid, single embryo transfer cycles: is there a heterogeneity of patient response? Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Nazem TG, **Sekhon L**, Lee JA, Overbey J, Pan S, Duke M, Briton-Jones C, Copperman AB. In an era of euploid single embryo transfers: does oocyte age matter? Oral Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Nazem TG, **Sekhon L**, Hernandez-Nieto C, Lee JA, Briton-Jones C, Copperman AB, Stein DE. Chronological age is better than physiological age at predicting likelihood of producing euploid embryos. Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Nazem TG, **Sekhon L**, Lee JA, Overbey J, Pan S, Whitehouse M, Duke M, Briton-Jones C, Copperman AB, Stein DE. How does morphologic assessment correlate with implantation of euploid embryos? Poster Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Nazem TG, Chang S, **Sekhon L**, Lee JA, Gounko D, Copperman AB, McAvey B. Do same sex couples and single women undergoing ovulation induction with oral agents and intrauterine insemination have outcomes comparable to infertile heterosexual couples? Oral Presentation, 73rd Annual Meeting of the American Society for Reproductive Medicine (ASRM), San Antonio, TX. October 28 to November 1, 2017.

Sekhon L, Nazem TG, Chang S, Gounko D, Lee JA, Klein J, Copperman AB. Dual trigger with gnrh agonist and low dose hcg leads to adequate luteinization in patients with isolated low basal lh levels. Poster Presentation at the 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, to be held March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California.

Sekhon L, Hernandez-Nieto C, Nazem TG, Chang S, Lee JA, Briton-Jones C, Copperman AB. Molecular evidence demonstrates that anti-mullerian hormone predicts quantity, not quality, of oocytes. Oral Presentation at the 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, to be held March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California.

White M, **Sekhon L**, Lee JA, Daneyko M, Gounko D, McAvey B, Copperman AB. Does the duration of time between dilatation and curettage and single euploid frozen embryo transfer affect clinical outcome? Poster Presentation at the 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, to be held March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California.

Herlihy N, **Sekhon L**, Nazem T, Lee JA, Copperman N, Mukherjee T, Copperman AB. The predictive value of hyperprolactinemia in detecting prolactin-secreting tumors. Poster Presentation at the 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, to be held March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California.

Rekawek P, **Sekhon L**, Hernandez-Nieto C, Lee JA, Mella MT, Sandler B, Copperman AB. Ovarian reserve is not compromised in patients with inflammatory bowel disease. Poster Presentation at the 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, to be held March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California.

Chang S, **Sekhon L**, Lee JA, Gounko D, Grunfeld L, Copperman AB. Management of fluid accumulation within the endometrial cavity during a frozen embryo transfer cycle. Poster Presentation at the 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, to be held March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California.

Chang S, **Sekhon L**, Hernandez-Nieto C, Lee JA, Gounko D, Bar-Chama N, Copperman AB. Is paternal age associated with embryo aneuploidy? Poster Presentation at the 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, to be held March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California.

Nazem TG, Hernandez-Nieto C, **Sekhon L**, Lee JA, Gounko D, Sandler B, Copperman AB. Does the number of mature follicles in ovulation induction cycles at the time of trigger correlate with multiple gestation rate? Poster Presentation at the 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, to be held March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California.

Sekhon L, Nazem TG, Chang S, Gounko D, Lee JA, Klein J, Copperman AB. Dual trigger with gnrh agonist and low dose hcg leads to adequate luteinization in patients with isolated low basal lh levels. Poster Presentation, 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California.

Sekhon L, Hernandez-Nieto C, Nazem TG, Chang S, Lee JA, Briton-Jones C, Copperman AB. Molecular evidence demonstrates that anti-mullerian hormone predicts quantity, not quality, of oocytes. Oral Presentation Presentation, 66th Annual Meeting - Fertility Innovations: 21st Century Technologies to Build Healthy Families, March 21-25, 2018, at Renaissance Indian Wells, in Indian Wells, California. **(2018 Pacific Coast Reproductive Society - 2nd Place Award Outstanding Paper).**

Hernandez-Nieto C, **Sekhon L**, Gounko D, Lee J, Copperman AB, Sandler B. Patients with inflammatory bowel disease (ibd) have similar reproductive outcome compared to the general infertile population. Poster presentation, 34nd Annual Meeting of European Society of Human Reproduction and Embryology, Barcelona, Spain, July 1-4, 2018.

Sekhon L, Hernandez-Nieto C, Gounko D, Lee J, Sandler B, Briton-Jones C, Duke MJ, Copperman AB. Factors associated with the reproductive potential of vitrified-warmed, autologous oocytes derived from elective oocyte cryopreservation cycles. Poster presentation,

34th Annual Meeting of European Society of Human Reproduction and Embryology, Barcelona, Spain, July 1-4, 2018.

Hernandez-Nieto C, Nazem TG, **Sekhon L**, Genfi A, Lee JA, Bar-Chama N, Copperman AB, Sandler. Increased body mass index is not correlated with seminal oxidative stress: a prospective analysis. Poster Presentation, 74 th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Aharon D, **Sekhon L**, Luscher Z, Cacchione TA, Lee JA, Grunfeld L, Mukherjee T, Copperman AB. SMN1 HETEROZYGOSITY IS ASSOCIATED WITH DECREASED ANEUPLOIDY RATES. Poster Presentation, 74th Annual Scientific Congress Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, McAvey,B, Lee JA, Briton-Jones C, Duke M, Flisser E, Copperman AB. Evaluating ivf and perinatal outcomes following repeat trophoctoderm biopsy. Oral Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, Herlihy N, Lee JA, Friedman S, Stein DE, Copperman AB, Lederman M. Knowledge, attitudes, and concerns of individuals with cancer-predisposing mutations regarding fertility preservation and preimplantation genetic testing. Poster Presentation, 74 th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, Luscher Z, Nazem TG, Lee JA, Grunfeld L, Copperman AB. Gaucher's disease Carriers demonstrate improved art outcome. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, Aharon D, Cacchione TA, Lee JA, Mukherjee T, Copperman AB. Heterozygous Biotinidase deficiency does not impact ovarian reserve, response, or reproductive potential. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, Luscher Z, Aharon D, Lee JA, Mukherjee T, Copperman AB. Smith-lemli-opitz disease carriers have normal ovarian reserve and response to stimulation despite reduced cholesterol biosynthesizing ability. Oral Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, Luscher Z, Cacchione TA, Lee JA, Grunfeld L, Copperman AB. Female reproductive function in wilson's disease carriers: ovarian reserve and art outcome are not affected by a single-allele atp7b mutation. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, Luscher Z, Chang S, Lee JA, Grunfeld L, Copperman AB. The impact of gap junction protein beta-2 (gjb2) heterozygosity on endometrial thickness, embryo transfer outcome and placentation. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, Ellis E, Nazem TG, Wang Y, Lee JA, Briton-Jones C, Schadt E, Sebra RP,

Copperman AB. Understanding the scope and significance of mosaicism in human preimplantation embryos. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, Lee JA, Wang Y, Briton-Jones C, Schadt E, Sebra RP, Copperman AB. Normal Growth versus early developmental arrest of the human embryo: Understanding molecular network perturbations. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Sekhon L, Allette K, Ellis E, Wang Y, Lee JA, Briton-Jones C, Schadt E, Sebra RP, Copperman AB. The morula stage transcriptome is characterized by marked upregulation of genes that mediate key mitochondrial functions. Oral Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Herlihy N, **Sekhon L**, Oliva M, Gounko D, Lee JA, Lekovich J, Lederman M, Copperman AB. How do ovarian reserve and aneuploidy in BRCA carriers compare to that of the general population undergoing art? Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Chang S, **Sekhon L**, Nazem TG, Friedenthal J, Lee JA, Copperman AB. Physician knowledge, attitudes, and practice regarding expanded carrier screening. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Cacchione T, **Sekhon L**, Nazem TG, Gounko D, Lee JA, Grunfeld, Copperman AB. Positive classic galactosemia carrier status does not impact ovarian reserve. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Nazem TG, Chang S, **Sekhon L**, Lee JA, Copperman AB, Mukherjee T. In a cohort of euthyroid infertile women, subtle variations in TSH are not correlated with impaired reproductive outcome. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Nazem TG, **Sekhon L**, Lee JA, Briton-Jones C, Bar-Chama N, Copperman AB. Seasonal variation of semen quality from over 100,000 analyzed samples. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Nazem TG, **Sekhon L**, Chang S, Oliva M, Lee JA, Copperman AB. SUPRAPHYSIOLOGIC LEVELS OF STEROID HORMONES DURING FROZEN EMBRYO TRANSFER CYCLES ARE NOT ASSOCIATED WITH ECTOPIC PREGNANCY RISK. Oral Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Nazem TG, **Sekhon L**, Lee JA, Gounko D, Copperman AB, Stein DE. The likelihood of implantation following transfer of a euploid embryo is not correlated with self-reported race. Poster Presentation, 74th Annual Scientific Congress & Expo of the American Society for Reproductive Medicine (ASRM), Denver, CO. October 6 to 10, 2018.

Book Chapters

Gupta S, **Sekhon L**, Aziz N, Agarwal A (2008). The Impact of Oxidative Stress on Female Reproduction and ART: Evidence-based Review. [Book Chapter]. In: Infertility and Assisted Reproduction (pp. 178-186). Editors: Makrigiannakis B, Rizk B, Velasco JG, Sallam H, Cambridge UP, New York, NY.

Gupta S, **Sekhon L**, Agarwal A (2010). Sperm banking: When, how and why? [Book Chapter]. In: Male Infertility: Problems and Solutions, Editor: Edmund Sabanegh, Springer Science Business Media, NY.

Sekhon L, Agarwal A (2012). Endometriosis and Oxidative Stress. [Book Chapter]. In: Studies on Women's Health and Fertility. Editors: Agarwal A, Gupta S, Aziz N. Springer Science Business Media, NY.

Sekhon L, Agarwal A (2012). Menopause and Oxidative Stress. [Book Chapter]. In: Studies on Women's Health and Fertility. Editors: Agarwal A, Gupta S, Aziz N. Springer Science Business Media, NY.

Agarwal, A., Kashou A.H., **Sekhon L** (2012). Oxidative stress and the use of antioxidants for idiopathic OATs. [Book Chapter]. In: Studies on Men's Health and Fertility (pp.485-516). Editors: Agarwal A, Aitken RJ, Alvarez JG, Humana Press, New York, NY.

Sekhon L, Rekawek P, Grunfeld L (2013). Aromatase inhibitors in the treatment of unexplained female infertility. [Book Chapter]. In: Unexplained Infertility: Pathophysiology, Evaluation, & Treatment. Editors: Esteves S, Schattman G, Agarwal A. Springer Science Business Media, NY.

INVITED LECTURES/PRESENTATIONS

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| 2011 | Resident Lecture Series for the Department of OB/GYN at Mount Sinai Hospital, New York, NY. Lecture: "The use of antibiotics intrapartum and postpartum: guidelines and clinical considerations". |
| 2012 | Division of MFM Lecture Series for the Department of OB/GYN at Mount Sinai Hospital, New York, NY. Lecture: "Contraception: An Update". |
| 2012 | Misses, Morbidity, and Mortalities Conference for the Department of OB/GYN at Mount Sinai Hospital, New York, NY. Lecture: "To IUD or to not IUD – that is the question?" |
| 2013 | Interdisciplinary meeting of OB/GYN and Pediatric Departments lecture series. "IUGR: A Case Presentation". |
| 2013 | Misses, Morbidity, and Mortalities Conference for the Department of OB/GYN at Mount Sinai Hospital, New York, NY. Lecture: "Vesicovaginal Fistulas- A Bridge Over Troubled Waters". |
| 2013 | Resident Lecture Series for the Department of OB/GYN at Mount Sinai Hospital, New York, NY. Lecture: "Ectopic Pregnancy". |
| 2014 | Resident Lecture Series for the Department of OB/GYN at Mount Sinai Hospital, New York, NY. Lecture: "Amenorrhoea" |
| 2015 | Misses, Morbidity, and Mortalities Conference for the Department of OB/GYN at Mount Sinai Hospital, New York, NY. Lecture: 'Sickle cell anemia: Obstetric and reproductive considerations'. |

- 2016 Clinical statistics in the department of Reproductive Endocrinology & Infertility for the Department of OB/GYN at Mount Sinai Hospital, New York, NY.
- 2016 New York Obstetrical Society oral presentation: Using new technology to ask an old question- does the uterus age?
- 2018 Thesis presentation at Grand Rounds for the Department of OB/GYN at Mount Sinai Hospital, New York, NY. Title: Molecular network perturbations associated with normal versus arrested human embryo development.
- 2018 Lecturer for Family Building course for medical students at the Icahn School of Medicine at Mount Sinai at Mount Sinai Hospital, New York, NY. Lecture: Options for family building- the perspective of a reproductive endocrinologist and infertility specialist.