**Department of Obstetrics & Gynecology**

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| **Faculty by Division** | **Title** | **Research Focus** |
| **Reproductive, Stem Cell and Perinatal Biology** |
|  | Aaron Hsueh | Professor | Ovarian Development, Oocyte Activation for Treatment of Infertility (IVA), Ovary Kaleidoscope Database (OKdb) |
|   | Vittorio Sebastiano | Assistant Professor | Stem Cell Biology, Early Human Development Fate Determination, iPSC derivations translational opportunities*PI 2018 WHSDM seed grant:* Uncovering potential sex differences in male and female human primordial germ cells |
|  | Virginia Winn | Associate Professor | Placental Biology, Endothelial Progenitor Cells, Extracellular Vesicles, Preeclampsia (Pregnancy biobank), Placental sex differences*PI 2019 WHSDM seed grant:* Determining the role of sex chromosomes in normal and abnormal placentation with implications for pregnancy and child health*Co-I 2018 WHSDM seed grant:* Modeling Endothelial Dysfunction in Preeclampsia Using Patient-specific iPSCs*; Co-I 2016 seed grant:* Examining sex differences in the human and mouse placental transcriptome during a vulnerable neurodevelopmental window |
|  | Amy Braun | Postdoctoral Fellow | Placental Biology, Placental sex differences*Co-I 2019 WHSDM seed grant:* Determining the role of sex chromosomes in normal and abnormal placentation with implications for pregnancy and child health*; Co-I 2016 seed grant:* Examining sex differences in the human and mouse placental transcriptome during a vulnerable neurodevelopmental window |
| **GYN: Gender and LGBTQ+** |
|  | Juno Obedin-Maliver | Assistant Professor | PRIDE study, national database for LGBTQ+ studies |
| **GYN: Family Planning** |
|  | Paul Blumenthal | Professor | Contraception and Abortion services; RCTs; Systematic Reviews; Global health care in Low Resource Settings; Demedicalization and simplification of Family Planning and Abortion programs; Development of New Contraceptive Technologies (microspheres, Apps for self-management); Cervical Cancer Prevention in Low Resource Settings |
|  | Lisa Goldthwaite | Clinical Assistant Professor | LARC clinical trials |
|  | Kate Shaw | Clinical Associate Professor | Clinical Trials of Abortion Care, Breastfeeding and Contraception and Procedure Pain Management |
|  | Amy Voedisch | Clinical Assistant Professor | Preventing sexually transmitted infections at any age |
| **GYN: Female Sexual Medicine** |
|  | Leah Millheiser | Clinical Assistant Professor | Research interest in the role of the central nervous system in female hypoactive sexual desire disorder |
| **GYN: Urogynecology & Pelvic Reconstructive Surgery** |
|  | Bertha Chen | Professor | Stem Cells Regenerative Medicine for Pelvic Prolapse, Molecular causes of incontinence and prolapse*PI 2014 WHSDM seed grant:* Effect of cell sex on smooth muscle cells and fibroblasts derived from human embryonic stem cells*Co-I 2018 WHSDM seed grant:* Sex differences in lower urinary tract dysfunction after pelvic radiation |
|  | Lisa Rogo-Gupta | Clinical Associate Professor | Vaginal mesh complications, outcomes, systematic reviews |
|  | Eric Sokol | Associate Professor | Clinical trials of innovative therapies, Biodesign Program |
| **Gynecologic Oncology** |
|  | Jonathan Berek | Professor | Immunotherapy and small molecules for gynecologic cancers |
|  | Oliver Dorigo | Associate Professor | Immunotherapy and Genomics of Ovarian Cancer |
|  | Lisa Diver | Assistant Professor | Gestational trophoblastic disease |
|  | Amer Karam | Clinical Associate Professor | Ovarian cancer screening guidelines and prevention recommendations |
|  | Erinn Rankin | Assistant Professor | Bone Development; Novel oncogenic pathways in ovarian cancer, FAST radiation |
|  | Nelson Teng | Professor | Ovarian Cancer and Humeral Immune System |
| **Maternal-Fetal Medicine & Obstetrics** |
|  | Natali Aziz | Clinical Associate Professor | Infectious Disease and Pregnancy, probiotics/GBS, chorioamnionitis diagnosis and treatment, and congenital CMV |
|  | Yair Blumenfeld | Associate Professor | Fetal Birth Defects, Fetal Intervention, Congenital Diaphragmatic Hernia |
|  | Katherine Bianco | Clinical Associate Professor | Prenatal genetics, diagnostics for aneuploidy and gene defects |
|  | Susan Crowe | Clinical Professor | Plasma proteomic and metabolomic biomarkers associated with breastfeeding and maternal cardiovascular health*Co-I 2018 WHSDM seed grant:* Plasma proteomic and metabolomic biomarkers associated with breastfeeding and maternal cardiovascular health: a pilot study |
|  | Maurice Druzin | Professor | Obstetric Complications, Safety, Rheumatic Disease and Pregnancy, Preeclampsia |
|  | Yasser El-Sayed | Professor | Clinical Trials of Obstetrical Management |
|  | Amy Judy | Clinical Assistant Professor | Simulations, Education |
|  | Deirdre Lyell | Professor | Abnormally Adherent Placenta: Accreta Spectrum (ultrasound, biobank, clinical outcomes)*Co-I 2020 WHSDM seed grant:* Severe Maternal Morbidity Risk Prediction Index: Determining the preconception risk of severe maternal morbidity among infertile women |
| **Reproductive Endocrinology and Infertility** |
|  | Lusine Aghajanova | Clinical Assistant Professor | Motherhood at any age: the ART of donor eggs and surrogacy |
|  | Ruben Alvero | Professor | *PI 2020 WHSDM seed grant:* Severe Maternal Morbidity Risk Prediction Index: Determining the preconception risk of severe maternal morbidity among infertile women |
|  | Barry Behr | Professor | IVF methods and Embryo Selection (Biobank) |
|  | Ruth Lathi | Professor | Developing a robust baseline gene expression dataset for menstrual cycle variability in blood; IVF therapies and recurrent pregnancy loss*Co-I 2018 WHSDM seed grant:* Developing a robust baseline gene expression dataset for menstrual cycle variability in peripheral blood |
|  | Gayathree Murugappan | Fellow | *Co-PI 2021 WHSDM seed grant:* Systemic Chronic Inflammation as a Predictor of In Vitro Fertilization Success*Co-I 2020 WHSDM seed grant:* Severe Maternal Morbidity Risk Prediction Index: Determining the preconception risk of severe maternal morbidity among infertile women |
| **Gyn: Pediatric Adolescent Gynecology** |
|   | Paula Hillard | Professor | Adolescent Gynecology - Contraception and Reproductive Health |
| **Gyn: Minimally Invasive Surgery** |
|   | Deirdre Lum | Clinical Assistant Professor | Laparoscopy Surgery |