

**Tuesday, May 3, 2022 1:00 - 5:00 PM**  
*Basic & Translational Research Presentations - Wohl Auditorium*

1:00-1:10 PM

**Welcome/Introductions**

**Eric Strand, MD**, Professor, General OBGYN Division Director

1:10-1:40 PM

**Basic Science Overview**

**Antonina Frolova, MD, PhD**, Assistant Professor

1:40-1:53 PM

**Longitudinal and case-control studies of human uterine peristalses through menstrual cycles using noninvasive high-resolution electromyometrial imaging (EMMI) techniques**

**Sicheng Wang**, Graduate Research Assistant

Advisor: Yong Wang, PhD

1:53-2:06 PM

**Sperm mitochondrial activity increases during capacitation upon CatSper channel activation**

**Juan Ferreira, PhD**, PostDoc

Advisor: Celia Santi, MD, PhD

2:06-2:19 PM

**Diet-induced obesity impairs uterine contractility in mice**

**Kevin Prifti**, Sr. Lab Technician

Advisor: Antonina Frolova, MD, PhD

2:19-2:32 PM

**Initial Validation of Uterine Microstructure Imaging using Quantitative Histology**

**Wenjie Wu**, Graduate Research Assistant

Advisor: Yong Wang, PhD

2:32-2:45 PM

**First selective inhibitor of SLO3 impairs human sperm function**

**Max Lyon**, Graduate Research Assistant

Advisor: Celia Santi, MD, PhD

2:45-2:58 PM

**Noninvasive Longitudinal Imaging of Human Placental Villi Maturation during Human Pregnancy**

**Zhexian Sun**, Graduate Research Assistant

Advisor: Yong Wang, PhD

2:58-3:11 PM

**NALCN and accessory subunit expression in human and mouse myometrium**

**Lindsey Kent, PhD**, Sr Scientist

Advisor: Sarah England, PhD

3:11-3:25 PM **Break**

3:25-3:38 PM

**Investigating tumor-mesothelial cell interactions during ovarian cancer metastasis**

**Angela Schab**, DBBS Pre Doc Trainee

Advisor: Katherine Fuh, MD, PhD

3:38-3:51 PM

**Entinostat restores responsiveness to Olaparib in ID8 TP53 null and ID8 TP53 null/BRCA2 null mouse ovarian cancer cell lines**

**Tyler Woodard, MD**, Clinical Fellow, GO

Advisor: Dineo Khabele, MD

3:51-4:04 PM

**RAD51 is a biomarker predictive of homologous recombination deficiency and clinical response to DNA damaging agents in patient-derived ovarian cancer organoids**

**Lily Van Biljon**, Research Technician I

Advisor: Maggie Mullen, MD

4:04-4:17 PM

**Regulation of periostin by DDR2 in cancer-associated fibroblasts controls tumor invasion and metastasis in ovarian cancer**

**Favour Akinjiyan**, DBBS Graduate Research Assistant

Advisor: Katherine Fuh, MD, PhD

4:17-4:30 PM

**An in vitro model reproducing the interactions between murine peritoneal macrophages and ovarian cancer cells**

**Simona Miceska**, Visiting Researcher

Advisor: Dineo Khabele, MD

4:30-4:43 PM

**Mutational changes in ovarian tumors before and after neoadjuvant chemotherapy**

**Mark Valentine, MD, PhD**, Resident, PGY3

Advisor: Katherine Fuh, MD, PhD

5:00-7:00 PM

**Rothman Reception & Alumni Society Kickoff**

*Peds Lobby, McDonnell Building*

**Wednesday, May 4, 2022 8:00 AM – 12:30 PM**  
*Clinical Research Presentations - Seminar Room B, EPNEC*

8:00 - 8:10 AM

**Welcome/Introductions**

**Eric Strand, MD**, Professor, General OBGYN Division Director

8:10-8:23 AM

**Knowledge and Attitudes Towards Oocyte Cryopreservation amongst Obstetrician and Gynecologists**

**Erika Mauban, MD**, Resident, PGY2

Advisor: Patricia Jimenez, MD

8:23-8:36 AM

**OB/GYN physician adherence to cervical cancer screening guidelines**

**Caroline Min, MD, MPH**, Resident, PGY2

Advisor: Lindsay Kuroki, MD, MSCI

8:36-8:49 AM

**Risk Factors and Outcomes in Black vs. White Patients in a Midwest Cohort Undergoing In Vitro Fertilization**

**Jean Claire (Mandi) Dillon, MD, MPH**, Resident, PGY4

Advisor: Tessa Madden, MD, MPH

8:49-9:02 AM

**Diet-induced obesity impairs uterine contractility in mice**

**Manuela Mejia, MD**, Resident, PGY4

Advisor: Nandini Raghuraman, MD, MS

9:02-9:15 AM

**Making the diagnosis of NRFS: Potential of implicit bias**

**Bridget Huysman, MD, MPH**, Resident, PGY4

Advisor: Lindsay Kuroki, MD, MSCI

9:15-9:28 AM

**Disparities in Surgical Management of Uterine Fibroids**

**Lulu Yu, MD, MPHS**, Resident, PGY4

Advisor: Whitney Ross, MD

9:28-9:41 AM

**Comparison of Patient Satisfaction with Contraceptive Counseling Delivered by Telehealth versus In-Person**

**Emily Freeman, DO, MA, MS**, Clinical Fellow, CFP

Advisor: Tessa Madden, MD, MPH

9:41-9:56 AM **Break**

9:56-10:09 AM

**Recurrent urinary tract infection incidence rates decrease in women with cystitis cystica after treatment with D-mannose: A cohort study**

**Kimberley Chiu, MD**, Clinical Fellow, FPMRS

Advisor: Jerry Lowder, MD, MSc

10:09-10:22 AM

**A Survey of High-Risk Obstetric Patients' Attitudes towards the COVID-19 Vaccine**

**Annessa Kernberg, MD**, Clinical Fellow, MFM

Advisors: Abigail Bell; Nandini Raghuraman, MD, MS;

Jeannie Kelly, MD, MS

10:22-10:35 AM

**Is fetal acidemia at the time of scheduled cesarean associated with neonatal morbidity?**

**Katherine Bligard, MD, MA**, Clinical Fellow, MFM

Advisor: Nandini Raghuraman, MD, MS

10:35-10:48 AM

**The impact of cervical effacement at time of amniotomy in patients undergoing induction of labor**

**Rebecca Rimsza, MD**, Clinical Fellow, MFM

Advisor: Nandini Raghuraman, MD, MS

10:48-11:01 AM

**Deciphering chronic hypertension from preeclampsia: Utility of NT-proBNP in obstetric triage**

**Megan Oakes, MD**, Clinical Fellow, MFM

Advisor: Tessa Madden, MD, MPH

11:01-11:14 AM

**Impact of Operating Room Setting on In Vitro Fertilization Outcomes in Patients with Class 3 Obesity**

**Emily Spurlin, MD** and **Caitlin Martin, MD, MS**,

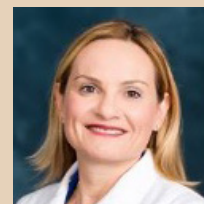
Clinical Fellows, REI

Advisor: Kenan Omurtag, MD

11:14-11:30 AM **Break**

11:30-12:30 AM - **Guest Speaker**

**“UME to GME Transition:  
A Wicked Problem in Medical Education.”**



**Dr. Maya Hammoud MD, MBA**

J. Robert Willson Research Professor of OBGYN  
Professor of Learning Health Sciences  
Chief, Women's Health Division  
Associate Chair for Education  
University of Michigan Medical School