**Baylor College of Medicine**

**Reproductive Health Research Day Schedule**

**Monday, Monday April 14, 2014**

**Kleberg Auditorium**

**Monday, April 14, 2014**

<table>
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<th>Time</th>
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<td>7:45-8:15 am</td>
<td>Breakfast &amp; Registration</td>
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| 8:15-8:30   | Opening Remarks & Welcome
              | Adam Kuspa, PhD, Senior Vice President, Research
              | Dolores Lamb, PhD, Director, Center for Reproductive Medicine       |
| 8:30-9:30   | Keynote Lecture I
              | Bruce A. Lessey, MD, PhD
              | Fertility Center of the Carolinas
              | Greenville Health System, Greenville, SC                             |
|             | “Infertility, Inflammation and Progesterone Resistance”             |
|             | *Women with inflammatory conditions including PCOS, hydrosalpinges and endometriosis present with endometrial receptivity defects. The study of how inflammatory responses alter the endometrium has focused on progesterone resistance and estrogen dominance. These concepts will be reviewed in a clinical context.* |
| 9:30-10:30 | Session I: Fertility
              | Peggy Smith, PhD, MPH and Mariam Chacko, MD, Baylor Teen Health Clinic, “Does Immediate Access to Birth Control Help Prevent Pregnancy?”
              | Marie Claude Hofmann, PhD, Department of Endocrine Neoplasia and Hormonal Disorders, UT MD Anderson, “Juxtacrine Signaling in the Testis Stem Cell Niche.”
              | Poster Winner—Maria Szwarc, Graduate Student, Molecular & Cellular Biology, “Strict Regulation of Steroid Receptor Coactivator-2 Expression is Required for Normal Endometrial Function.” |
| 10:30-11 am | Break                                                               |
| 11-noon    | Session II: Pre Term & Pregnancy
              | Kjersti Aagaard, MD, PhD, Associate Professor, Obstetrics & Gynecology, “The Perinatal Microbiome.”
              | Madhu Chauhsn, PhD, Assistant Professor, Obstetrics & Gynecology, “Intermedin (IMD) Adrenomedullin2 (ADM2): Regulator of Placental Functions in Pregnancy.”
              | Poster Winner—Chellakkan Blesson, PhD, Post Doctoral Fellow, Obstetrics & Gynecology, “Gestational Protein Restriction Impairs Insulin Regulated Glucose Transport Mechanisms in Gastrocnemius Muscles of Adult Male Offspring.” |
Reproductive Health Research Day Schedule, April 14, con’t

Noon-1:30 pm  Lunch & Poster Sessions

1:30-2:30  Session III: Reproductive Diseases

David Rowley, PhD, Professor, Molecular & Cellular Biology, “Benign Prostatic Hyperplasia: An Epithelial and Stromal Disease.”

JoAnne Richards, PhD, Professor, Molecular & Cellular Biology, “Polycystic Ovary Syndrome.”

Poster Winner, Denise Lanza, PhD, Post Doctoral Fellow, Molecular & Human Genetics “A Critical Role for Cyclin D1 in Testicular Germ Cell Tumorigenesis.”

2:30-3:30  Session IV: Developmental Biology

Carolina Jorgez, PhD, Assistant Professor, Urology “Mitochondrial Dysfunction in Urological Defects.”

Jennifer Dietrich, MD, Associate Professor, Obstetrics & Gynecology and Pediatrics, “Patients with Congenital Concerns of the Reproductive Tract.”

Poster Winner--Khurshida Begum, PhD, Post Doctoral Fellow, Molecular & Cellular Biology, “Talen and CRISPR/CA99 Mediated Targeted Genome Engineering in Mouse.”

3:30-4:00  Break

4:00-5:00  Keynote Lecture

Carole Mendelson, PhD
Professor of Biochemistry and Obstetrics & Gynecology
Director, North Texas March of Dimes Birth Defects Center
The University of Texas Southwestern Medical Center, Dallas

“Fetal-Maternal Signaling in the Timing of Birth—Lessons from Steroid Receptor Coactivator Deficient Mice.”

Studies will be presented using mice doubly deficient in steroid receptor coactivators (SRC)-1 and SRC-2 that provide new insight into the role of the fetal lung in the production of factors near term that mediate increased inflammatory signaling in the maternal uterus leading to labor. These findings reveal that the fetus produces signals to initiate myometrial contractility when its lungs are sufficiently mature to sustain air breathing.

5:00-6:00  Reception—DeBakey Lobby