

State of Michigan Reproductive Biology Annual Meeting

March 21, 2010

Grand Rapids, MI

9:00-9:30am **Breakfast**

9:30-11:00am **Michigan State University**

Welcome and Program Overview at MSU

Richard Leach, MD - Professor & Chair, Department of Obstetrics, Gynecology & Reproductive Biology

Asgi Fazleabas, PhD – Professor & Associate Chair, Director, Center for Women’s Health Research, Department of Obstetrics, Gynecology & Reproductive Biology

9:45-10:45am

Presentations (10 min each)

“Our Road Towards Personalized Medicine”

Craig Webb, PhD - Director, Program of Translational Medicine, Senior Scientific Investigator, Lab of Tumor Metastasis & Angiogenesis

“The Egg as a Reprogramming Tool”

Jose Cibelli, PhD - Professor, Animal Science Department

“Trophoblast Stem Cells”

Richard Leach, MD - Professor & Chair, Department of Obstetrics, Gynecology & Reproductive Biology

“Function of lineage-specific transcription factors and chromatin remodeling proteins in blastocyst development”

Jason Knott, PhD - Assistant Professor, Animal Science Department

“Designing Research to Assess Health Outcomes After Assisted Reproduction”

Barbara Luke, PhD – Professor, Department of Obstetrics, Gynecology & Reproductive Biology, & Department of Epidemiology

“The Bovine Model”

James Ireland, PhD - Professor, Animal Science Department

10:45-11:00am Questions and Discussion

11:00 - 12:30 **University of Michigan**

Reproductive Sciences Program Overview

Timothy Johnson, MD – Professor & Chair, Department of Obstetrics and Gynecology

Gary D. Smith, PhD – Associate Professor, Director of Reproductive Sciences Program, Department of Obstetrics and Gynecology

11:15-12:15pm Presentations - Unique Model Systems (10 min each)

Embryonic Stem and iPS Cells

Gary D. Smith, PhD - Associate Professor, Director of Reproductive Sciences Program, Department of Obstetrics and Gynecology

Translational Reproductive Toxicology

Rita Loch-Carusio, PhD – Professor, Toxicology

Metabolic Disorder/Reproduction Models

Martin Myers, MD, PhD Associate Professor, Department of Internal Medicine/MEND; Department of Molecular & Integrative Physiology

Electro-Physiology and Prenatal Androgen Mouse Model

Sue Moenter, PhD – Professor, Department of Medicine, Endocrinology and Metabolism, University of Virginia

Sheep Models

Vasanth Padmanabhan, PhD - Professor, Department of Pediatrics, Obstetrics & Gynecology, Molecular & Integrative Physiology; Director, Pediatric Endocrine Research; Senior Research Scientist, Reproductive Sciences Program

Reproductive Network – Clinical Studies

Greg Christman, MD – Associate Professor, Department of Obstetrics & Gynecology

12:15-12:30pm Questions and Discussion

12:30-1:30pm **Lunch Break** - Sessions area, outside Tomatis Auditorium

1:30 – 3:00pm **Wayne State University**

Overview of Reproductive Science and Related Activities at WSU (30 min)

Michael Diamond, MD - Professor & Associate Chair, Department of Obstetrics & Gynecology, Director, Division of Reproductive Endocrinology & Infertility

Presentation: Steve Krawetz, PhD

Professor, Department of Obstetrics & Gynecology

Questions and Answers

3:00– 3:45pm **Insights and Suggestions from a NIH perspective**

Louis V. DePaolo, PhD - Chief, Reproductive Sciences Branch, Center for Population Research, Eunice Kennedy Shriver, National Institute of Child Health and Human Development

3:45 – 4:30pm **Tour of the Van Andel Institute Laboratory Facilities**