



UPDATE MEETING
*Gut, Microbiome and Fat:
Origins of PCOS Metabolic Disease?*

Orlando, FL, USA
March 31st, 2017



Orange County Convention Center, Orlando, FL, USA



Time	Speaker	Topic
7:30 – 8:30 am	<i>Registration</i>	
8:30 – 8:40 am	DAVID ABBOTT ANTONI DULEBA ELISABET STENER-VICTORIN	<p style="text-align: center;">WELCOME</p>
8:40 – 10:10 am	Chair: ELISABET STENER-VICTORIN	<i>SESSION I: THE GUT MICROBIOME AND PCOS</i>
8:40 – 9:10 am	BULENT YIDIZ <i>Departments of Medicine and Endocrinology and Metabolism, Hacettepe University School of Medicine, Ankara, Turkey.</i>	GUT-BRAIN AXIS AND METABOLISM IN PCOS
9:10 – 9:40 am	LISA LINDHEIM <i>Department of Internal Medicine, Medical University Graz, Austria.</i>	ABNORMAL GUT MICROBIOME IN PCOS
9:40 – 10:10 am	VARYKINA THACKRAY <i>Department of Reproductive Medicine, University of California, San Diego, CA, USA</i>	USING MOUSE MODELS TO STUDY THE ROLE OF THE GUT MICROBIOME IN PCOS
10:10 - 10:30 am	COFFEE BREAK	

10:30 am – 12:00 pm	Chairs: ENRICO CARMINA BULENT YILDIZ	SESSION II: ORAL PRESENTATIONS - I
10:30 – 10:45 am	JENNIFER HILL <i>University of Toledo, Toledo, OH, USA</i>	Prenatal Androgen Exposure Alters Gut Microbiota and Increases Hypertensive Risk for Female Wistar Rats
10:45 – 11:00 am	MANUEL DOBLADO <i>University of California, San Diego, CA, USA</i>	Pro-inflammatory signaling increases theca cell androgen production
11:00 – 11:15 am	NATALIA TEPOROKOVA <i>Washington and Lee University, Biology Department, Lexington, VA, USA</i>	High-Sugar, High Fat Diet Increased Estradiol Surge during Proestrus and Induced Polycystic Ovaries in Cycling Female Rats
11:15 – 11:30 am	OLEG VARLAMOV <i>Oregon National Primate Research Center, Beaverton, OR, USA</i>	Combined Androgen Excess and Western-Style Diet Accelerates Metabolic Dysfunction in Young Adult, Female Nonhuman Primates
11:30 – 11:45 am	MILANA KOKOSAR <i>University of Gothenburg, Gothenburg, Sweden</i>	Single Bout of Electroacupuncture Remodels Epigenetic and Transcriptional Changes in Adipose Tissue in Polycystic Ovary Syndrome
11:45 am – 12:00 pm	BALASZ LEGESA <i>University of Bern, Bern, Switzerland</i>	Insight from Transcriptome and Metabolome Analysis: How Metformin Alters Metabolic Processes Favorably
12 noon – 1:30 pm	BREAK	



<p>1:30 – 2:30 pm</p>	<p>Chairs: STEPHEN FRANKS ANUJA DOKRAS</p>	<p>SESSION III: ORAL PRESENTATIONS - II</p>
<p>1:30 – 1:45 pm</p>	<p>EMILIA KOIVUAHO <i>University of Oulu, Oulu, Finland</i></p>	<p>Early Childhood Growth And Adiposity Rebound Associates With Polycystic Ovary Syndrome (PCOS) and Increased Body Size Later In Life - A Prospective, Population-Based Cohort Study</p>
<p>1:45 – 2:00 pm</p>	<p>LIV GURO HANEM <i>Norwegian University of Science and Technology, Trondheim, Norway</i></p>	<p>Intrauterine Metformin Exposure Influences Offspring Growth - A 4-Year Follow-up of Children Born to Mothers with Polycystic Ovary Syndrome</p>
<p>2:00 – 2:15 pm</p>	<p>KAJALBEN BUDDHEV <i>University of Nebraska Medical Center, Omaha, NE, USA</i></p>	<p>Early Weight Loss Velocity Predicts Success of Laparoscopic Vertical Sleeve Gastrectomy</p>
<p>2:15 – 2:30 pm</p>	<p>MANUEL MALIQUEO <i>University of Chile, Santiago, Chile</i></p>	<p>Maternal Obesity Affects Sex Steroids Concentrations in Pregnant Women</p>
<p>2:30 – 4:50 pm</p>	<p>Chair: DAVID ABBOTT</p>	<p>SESSION IV: ALTERED ADIPOSE IN PCOS</p>
<p>2:30 – 3:00 pm</p>	<p>ANNA BENRICK <i>Institute of Neuroscience and Physiology, Sahlgrenska Academy, University of Gothenburg, Sweden</i></p>	<p>TRANSGENIC OVEREXPRESSION OF ADIPONECTIN PREVENTS PCOS PHENOTYPE IN DHT-EXPOSED FEMALE MICE</p>

3:00 – 3:30 pm	STEPHEN FRANKS <i>Imperial College London, Institute of Reproductive and Developmental Biology, Hammersmith Hospital, London, UK</i>	ROLE OF ANDROGENS IN BROWN ADIPOSE TISSUE
3:30 – 3:50 pm	COFFEE BREAK	
3:50 – 4:20 pm	ZI-JIANG CHEN <i>Shandong Provincial Hospital, Center of Reproductive Medicine, Shandong, China</i>	BENEFITS OF BROWN ADIPOSE TRANSPLANTATION IN A RODENT MODEL OF PCOS
4:20 – 4:50 pm	DANIEL DUMESIC <i>Department of Obstetrics and Gynecology, University of California, Los Angeles, CA, USA</i>	HYPERANDROGENISM CONSTRAINS SUBCUTANEOUS ADIPOSE IN YOUNG, LEAN WOMEN WITH PCOS
4:50 – 5:30 pm	Chair: ANTONI DULEBA	SESSION V: Debate ALTERED GUT MICROBIOME CONTRIBUTES TO METABOLIC DISEASE IN WOMEN WITH PCOS
4:50 – 5:00 pm	HECTOR ESCOBAR-MORREALE <i>Department of Endocrinology, Hospital Ramón y Cajal and Universidad de Alcalá, Madrid, Spain</i>	WILL SPEAK IN <u>SUPPORT</u> OF THE MOTION
5:00 – 5:10 pm	RICARDO AZZIZ <i>Chief Officer of Academic Health and Hospital Affairs, The State University of New York, Albany, NY, USA</i>	WILL SPEAK <u>AGAINST</u> THE MOTION
5:10 – 5:30 pm	GENERAL DEBATE DISCUSSION OF MOTION:	“ALTERED GUT MICROBIOME CONTRIBUTES TO METABOLIC DISEASE IN WOMEN WITH PCOS”
5:30 – 5:45 pm	ENRICO CARMINA ANTONI DULEBA	HIGHLIGHT 2017 AEPCC ANNUAL MEETING October 27-28, 2017, San Antonio, TX, USA