



## UPDATE MEETING

*AMH and Developmental Origins of PCOS*

Chicago, IL, USA  
March 16<sup>th</sup>, 2018



AEPCOS Update @ ENDO 2018  
McCormick Place, Chicago, IL

# AE-PCOS

ANDROGEN EXCESS & PCOS SOCIETY

Time	Speaker	Topic
8:00 – 8:30 am	<i>Registration</i>	
8:30 – 8:40 am	<b>ELISABET STENER-VICTORIN, Ph.D.</b> <b>DAVID ABBOTT, Ph.D.</b>	<b>WELCOME to:</b> <b>AEPCOS Update @ ENDO 2018</b>
8:40 – 10:10 am	<b>Chairs:</b> <b>DAVID ABBOTT, Ph.D.</b> <b>ELISABET STENER-VICTORIN, Ph.D.</b>	<b>SESSION I: AMH</b>
8:40 – 9:10 am	<b>ANDREA DUNAIF, M.D.</b> <i>Departments of Medicine and Endocrinology and Metabolism, Mount Sinai Hospital, New York</i>	<b>THE CONTRIBUTION OF RARE GENETIC VARIANTS TO THE PATHOGENESIS OF PCOS</b>
9:10 – 9:40 am	<b>JENNY VISSER, Ph.D.</b> <i>Department of Internal Medicine, Erasmus MC, Rotterdam, The Netherlands</i>	<b>AMH REGULATION OF OVARIAN AND METABOLIC FUNCTION</b>
9:40 – 10:10 am	<b>PAOLO GIACOBINI, Ph.D.</b> <i>INSERM, Lille, France</i>	<b>MATERNAL AMH ENGAGES HYPOTHALAMIC GnRH AND PLACENTAL AROMATASE IN FETAL PROGRAMMING OF PCOS</b>
10:10 - 10:40 am	<b>COFFEE BREAK</b>	
10:40 – 11:30 am	<b>Chairs:</b> <b>VASANTHA PADMANABHAN, Ph.D.</b> <b>CORINNE WELT, M.D.</b>	<b>SESSION II: ORAL PRESENTATIONS - I</b> <i>Basic Research in PCOS</i>
10:40- 10:55 am	<b>ABDELJABAR EL ANDALOUSSI, Ph.D.</b> <i>University of Illinois at Chicago</i>	<b>Stem cell therapy of PCOS improves hyperandrogenemia and promote brown fat activation in PCOS mouse model</b>

<b>10:55 – 11:10 am</b>	<b>ARIELLA FARZAN NIKOU, B.S.</b> <i>University of California, Los Angeles, Los Angeles, CA, USA</i>	<b>Hyperandrogenism In Normal-Weight Women With Polycystic Ovary Syndrome Alters Subcutaneous Abdominal Adipose Stem Cell Development To Adipocytes</b>
<b>11:10 – 11:25 am</b>	<b>STANLEY ANDRISSE, Ph.D.</b> <i>Johns Hopkins University School of Medicine, Baltimore, MD, USA.</i>	<b>Insulin Signaling Displayed a Differential Tissue Specific Response To Low Dose Dihydrotestosterone In Female Mice</b>
<b>11:25 – 11:40 am</b>	<b>MATTHEW DAPAS, M.S.</b> <i>Northwestern University, Chicago, IL, USA</i>	<b>Rare Variant Association Meta-analysis Reveals Rare Variants In DENND1A And MUC16 Associated With Altered Reproductive And Metabolic Trait Levels In Polycystic Ovary Syndrome</b>
<b>11:40 am – 12:30 pm</b>	<b>Chair:</b> <b>HELENA TEEDE</b>	<b>SESSION III: Debate</b> <b>PCOS PATHOGENESIS: IS AMH A GREATER VILLAIN THAN TESTOSTERONE?</b>
<b>11:40 – 11:50 am</b>	<b>JOOP LAVEN, M.D., Ph.D.</b> <i>Department of Obstetrics and Gynecology, Erasmus Medical Center, University Medical Center, Rotterdam, Netherlands</i>	<b>WILL SPEAK IN SUPPORT OF THE MOTION: “PCOS PATHOGENESIS: IS AMH A GREATER VILLAIN THAN TESTOSTERONE?”</b>
<b>11:50 am – 12:00 pm</b>	<b>JEFFREY CHANG, M.D.</b> <i>Department of Obstetrics and Gynecology, University of California, San Diego, USA</i>	<b>WILL SPEAK AGAINST THE MOTION: “PCOS PATHOGENESIS: IS AMH A GREATER VILLAIN THAN TESTOSTERONE?”</b>
<b>12:00 – 12:30 pm</b>	<b>DEBATE CHAIR AND SPEAKERS</b>	<b>DISCUSSION OF MOTION: “PCOS PATHOGENESIS: IS AMH A GREATER VILLAIN THAN TESTOSTERONE?”</b>
<b>12:30 – 1:30 pm</b>	<b>LUNCH</b>	Break for delegates to obtain their own lunch

1:30 – 2:15 pm	<b>Chairs:</b> <b>DAVID EHRMANN, M.D.</b> <b>BULENT YILDIZ, M.D.</b>	<b>SESSION IV: ORAL PRESENTATIONS - II</b> <i>Basic Research in PCOS</i>
1:30 – 1:45 pm	<b>NOZOMI TAKAHASHI, M.D.</b> <i>University of Tokyo, Tokyo, Japan</i>	Activation of endoplasmic reticulum stress in granulosa cells from patients with PCOS contributes to ovarian fibrosis
1:45 – 2:00 pm	<b>SHENG WU, Ph.D.</b> <i>Johns Hopkins University School of Medicine, Baltimore, MD, USA</i>	Female offspring from pre-conceptual hyperandrogenemic dams exhibit delayed puberty and impaired ovarian reserve
2:00 – 2:15 pm	<b>LAURA TORCHEN, M.D.</b> <i>Northwestern University, Chicago, IL, USA</i>	11-ketotestosterone is elevated in premenarchal daughters of women with PCOS and is associated with obesity
2:15 – 4:45 pm	<b>Chairs:</b> <b>ENRICO CARMINA, M.D.</b> <b>KATHLEEN HOEGER, M.D.</b>	<b>SESSION V: MATERNAL ENVIRONMENT AND OOCYTE FUNCTION</b>
2:15 – 2:45 pm	<b>KELLE MOLEY, M.D.</b> <i>Department of Obstetrics and Gynecology, Washington University, St. Louis, MO, USA</i>	THE OBESITY EPIDEMIC: IS IT AN OOCYTE ISSUE?
2:45 – 3:15 pm	<b>SANJIV RISAL, Ph.D.</b> <i>Karolinska Institutet, Stockholm, Sweden</i>	MATERNAL DIET-INDUCED OBESITY AND ANDROGEN EXCESS – DOES IT AFFECT OOCYTE FUNCTION?
3:15 – 3:45 pm	<b>COFFEE BREAK</b>	
3:45 – 4:15 pm	<b>KATE HARDY, Ph.D.</b> <i>Institute of Reproductive and Developmental Biology, Imperial College London, UK</i>	AMH INTERACTION WITH ANDROGEN STIMULATION OF PREANTRAL FOLLICLE DEVELOPMENT
4:15 – 4:45 pm	<b>MICHAEL PANKHURST, Ph.D.</b> <i>Department of Anatomy, University of Otago, NZ</i>	ALTERED PREANTRAL FOLLICLE SURVIVAL AND MISCARRIAGE IN MICE WITH TRANSGENIC AMH OVEREXPRESSION
4:45 – 5:00 pm	<b>ELISABET STENER-VICTORIN, Ph.D.</b>	<b>AEPCOS 16<sup>th</sup> ANNUAL MEETING,</b> <i>September 23-25, 2018 in Stockholm, Sweden</i>