Women’s Health Research Day

2017

Sponsored by

Penn State Center for Women’s Health Research; the Department of Kinesiology; and the Penn State College of Medicine Office of the Vice Dean for Research and Graduate Studies; Robert E. Dye MD Professorship; and the Pennsylvania State University Clearinghouse for Military Family Readiness

Monday, November 6, 2017, 8:30 am - 3:15 pm

The Nittany Lion Inn, State College PA
Penn State Center for Women’s Health Research

The Penn State Center for Women’s Health Research promotes research on women’s health and sex/gender differences related to health by supporting a network of Penn State faculty members in multiple disciplines who are interested in research collaborations and mentoring opportunities. The goal is to advance the science of women’s health and contribute to the development of health promotion, disease prevention, health services delivery, and health policy approaches to improving women’s health and well-being across the life span.

The Center sponsors special talks on women’s health and sex/gender differences related to health and Women’s Health Research Day. In addition, the Center maintains information about active research projects, data sets, and funding opportunities; promotes the development of interdisciplinary research teams around specific topics for grant applications; and provides mentoring opportunities for junior faculty members, graduate students, and medical students. To help faculty prepare research grant applications, the Center’s website includes a description of the Center and other women’s health resources at Penn State (including the NIH-funded Penn State BIRCWH – Building Interdisciplinary Research Careers in Women’s Health – K12 Program) that can be included in grant applications.

Penn State faculty members are invited to post their active research projects on the Center website: https://sites.psu.edu/centerforwomenshealthresearch/

One can make a contribution to the Penn State Center for Women’s Health Research by going to the “Make a Gift” page of the Center's website: https://sites.psu.edu/centerforwomenshealthresearch/make-a-gift/
Women's Health Research Day

November 6, 2017

Executive Planning Committee

Jennifer McCall-Hosenfeld, MD, MSc, Associate Professor of Medicine and Public Health Sciences, College of Medicine (Co-Chair)

Danielle Symons Downs, PhD, Professor of Kinesiology and Obstetrics and Gynecology, College of Health and Human Development (Co-Chair)

Carol S. Weisman, PhD, Distinguished Professor of Public Health Sciences and Obstetrics and Gynecology, College of Medicine

Nancy I. Williams, ScD, FACSM, Professor and Head of Kinesiology, College of Health and Human Development

Abstract Review Committee

Cynthia Chuang, MD, MSc, Professor of Medicine and Public Health Sciences and Chief of the Division of General Internal Medicine, College of Medicine

Jennifer Graham-Engeland, PhD, Associate Professor of Biobehavioral Health, College of Health and Human Development

Erika F.H. Saunders, MD, Chair of Psychiatry, College of Medicine

Deepa Sekhar, MD, Assistant Professor of Pediatrics, College of Medicine

Carly Smith, PhD, Assistant Professor of Humanities and Psychiatry, College of Medicine

Kristin Sznajder, PhD, MPH, Assistant Professor of Public Health Sciences, College of Medicine

Stephen Wilson, PhD, Associate Professor of Psychology, College of Liberal Arts

Margaret Winchester, PhD, Research Associate of Biobehavioral Health, College of Health and Human Development

Staff Support

Shirl Blouch, Administrative Support Assistant of Public Health Sciences, College of Medicine

Roana Fuller, Administrative Support Assistant of Kinesiology, College of Health and Human Development

Kris Henderson, Administrative Support Assistant of Public Health Sciences, College of Medicine
Women’s Health Research Day 2017

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Monday, November 6, 2017  8:30 am – 3:15 pm
The Nittany Lion Inn, State College, PA

Conference Schedule

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30a-9:00a</td>
<td>Breakfast and Set Up</td>
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<tr>
<td>9:00a-9:15a</td>
<td>Welcome and Opening Remarks</td>
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<tr>
<td></td>
<td>Jennifer McCall-Hosenfeld, MD, MSc – Conference Co-Chair</td>
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<tr>
<td></td>
<td>Associate Professor of Medicine and Public Health Sciences, Penn State College of Medicine; Director, Penn State Center for Women’s Health Research</td>
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<tr>
<td>9:15a-10:15a</td>
<td>KEYNOTE ADDRESS</td>
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<tr>
<td></td>
<td>The Reprometabolic Syndrome: How Obesity Impacts Reproduction in Women</td>
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<td></td>
<td>Nanette Santoro, MD</td>
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<tr>
<td></td>
<td>Professor and E. Stewart Chair of Obstetrics and Gynecology</td>
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<tr>
<td></td>
<td>University of Colorado, Anschutz Medical Campus</td>
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<tr>
<td>10:15a-10:25a</td>
<td>Break</td>
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<tr>
<td>10:30a-11:25a</td>
<td>PANEL DISCUSSION:</td>
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<tr>
<td></td>
<td>How is the Changing Policy Landscape Impacting Women’s Health?</td>
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<td></td>
<td>Moderator: Ashley Snyder, MD, MS</td>
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Assistant Professor, Medicine  
College of Medicine

Panelists:

**Nanette Santoro, MD**  
Professor and E. Stewart Chair of Obstetrics and Gynecology  
University of Colorado, Anschutz Medical Campus

**Dennis P. Scanlon, PhD**  
Distinguished Professor of Health Policy & Administration  
Director, Center for Health Care Policy Research  
The Pennsylvania State University

**Kristin Sznajder, PhD, MPH**  
Assistant Professor of Public Health Sciences  
Penn State College of Medicine

**Sheila G. West, PhD**  
Professor of Biobehavioral Health  
Penn State College of Health and Human Development

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<tr>
<th>Time</th>
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<tr>
<td>11:25a-11:30a</td>
<td><strong>Break</strong></td>
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<tr>
<td>11:30a-12:30p</td>
<td><strong>Research Presentations: Session I</strong></td>
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<tr>
<td></td>
<td>Moderator: <strong>Margaret Winchester, PhD</strong></td>
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<td></td>
<td>Research Associate, Biobehavioral Health</td>
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<td></td>
<td>College of Health and Human Development</td>
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<tr>
<td>11:30 – Matthew Nudy, MD</td>
<td>“A Systematic Review and Meta-analysis to Test the ‘Timing Hypothesis’ of Hormone Replacement Therapy and Cardiovascular Disease”</td>
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<td>11:45 – Krista Leonard, MS</td>
<td>“Examining Feasibility and Validity of Resting Metabolic Rate in Overweight and obese pregnant Women: A Preliminary Novel Assessment of Mobile Metabolism”</td>
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<tr>
<td>12:00 – Judith Weisz, MB</td>
<td>“A Hypothesis Generating Proteomic Study of Vulvodynia Implicates Neuroinflammation in the Syndrome’s Pathophysiology”</td>
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<tr>
<td>12:15</td>
<td><strong>James Hester, BS,</strong> “Zinc Deficiency Impairs Oocyte Growth and Cumulus Cell Differentiation in the Preantral Ovarian Follicle”</td>
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<tr>
<td>12:30p-2:00p</td>
<td><strong>Poster Session and Networking Lunch</strong></td>
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<tr>
<td>2:00p-3:00p</td>
<td><strong>Research Presentations: Session II</strong></td>
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|           | Moderator: **Ginger Moore, PhD**  
|           | Associate Professor, Department of Psychology  
|           | College of the Liberal Arts                                                            |
| 2:00    | **Amalia Brawley, BS,** “Increased prevalence of microcephaly in female compared to male fetuses” |
| 2:15    | **Xiang Gao, MD, PhD,** “Prospective study of Restless Legs Syndrome and total and cardiovascular disease mortality among women” |
| 2:30    | **Molly Parker, BS,** “Correlation of Actions Taken by Women in Response to Intimate Partner Violence (IPV) and IPV Status at 1-year Follow-up” |
| 2:45    | **Dong Hui Shin, PhD,** “Mitochondrial function is dynamically regulated during ovarian cancer progression through alterations in fusion/fission” |
| 3:00p-3:15p | **Awards Presentation and Closing Remarks**                                            |
|           | Jennifer McCall-Hosenfeld, MD, MSc – Conference Co-Chair  
|           | Danielle Symons Downs, PhD – Conference Co-Chair                                      |
Poster Session

#1 Sixtus Aguree, MS, Graduate Research Student, Nutritional Sciences, College of Health & Human Development
Nutritional biomarkers correlate with plasma volume in regular cycling women

#2 Dara Babinski, PhD, Assistant Professor of Psychiatry, College of Medicine
Negative parenting moderates the relation between childhood ADHD symptoms and borderline personality features in girls

#3 Preeti Bhaduria, PhD, Postdoc, Obstetrics and Gynecology, College of Medicine
Cervical Cancer Immunotherapy against HPV-16 E6/E7 oncoproteins

#4 Kaitlin Bodnar, BS, Bachelor of Psychology, Psychology, Department of Psychology
Sexual Education Exposure and Timing as Predictors of Sexual Health among Lesbian, Bisexual, and Heterosexual Young Women

#5 Alison Chetlen, (Meredith Watts presenting), DO, Associate Professor, Radiology, College of Medicine
Breast Pain: Imaging Work-Up Appropriateness

#6 Peter Cygan, MD, Assistant Professor, Medicine, College of Medicine
Random X-chromosome inactivation in Hemophilia A carriers does not fully attenuate bleeding risk

#7 Clara Etter, BS, Graduate Student, Kinesiology, College of Health & Human Development
Pathways to functional hypothalamic amenorrhea: Role of energetic and psychosocial factors

#8 Jody Greaney, PhD, Postdoc Fellow, Kinesiology, College of Health & Human Development
Mechanisms of vascular dysfunction in young adults with major depressive disorder: influence of sex

#9 E. Scott Halstead, MD, Assistant Professor, Pediatrics, College of Medicine
The PPARγ Agonist, Pioglitazone, Confers Sex-Specific Protection from Influenza Virus Infection in Mice
#10 Emily Hohman, PhD, Research Associate, Center for Childhood Obesity Research, College of Health & Human Development

*Psychosocial and demographic predictors of structure-based feeding among mothers in the INSIGHT RCT*

#11 Mandar Jadhav, MD, Resident Physician, Psychiatry, College of Medicine

*Access to Abortion Services: Mental Health Impacts & Outcomes*

#12 Danielle Kim, PhD, Postdoc Scholar, Heart & Vascular Institute, College of Medicine

*Acute nitrate supplementation attenuates progressive ischemic exercise-induced pressor responses in post-menopausal women*

#13 Yeon Soo Kim, PhD, Graduate Assistant, Pharmacology, College of Medicine

*Nanog and Oct4 regulate Sod2 expression in anchorage-independent ovarian cancer spheroids*

#14 Moe Kishida, MS, Graduate Student, Kinesiology, College of Health & Human Development

*A qualitative study illuminating the pathways of how yoga impacts one’s relationship to oneself and to others*

#15 Kristen Koltun, Student, Kinesiology, College of Health & Human Development

*Metabolic and androgen profiles of exercising women with menstrual disturbances*

#16 Donna Korzick, PhD, Professor, Kinesiology & Physiology, College of Health & Human Development

*Inhibition of Programmed Necrosis Limits Infarct Size through Altered Mitochondrial and Immune Responses in the Aged Female Rat Heart*

#17 Nicolle Krebs, MS, Research Project Manager, Public Health Sciences, College of Medicine

*Gender differences in nicotine levels among daily cigarette smokers in the Pennsylvania Adult Smoking Study*

#18 Ashley Leberfinger, MD, Resident, Surgery, College of Medicine

*Optimization of Adipose Derived Stem Cell Fraction to be Utilized in Tissue Engineered Breast Reconstruction*
#19 Krista Leonard, BA, Student, Kinesiology, College of Health & Human Development
Understanding Postpartum Depression and Stress in Women Categorized by Pre-Pregnancy and Postpartum Weight Retention Status: Influence of Psychobehavioral Mediator”

#20 Gina Mathew, MA, Student, Biobehavioral Health, College of Health & Human Development
Gender Moderation of Later Chronotype and Anxious Symptoms is Mediated by Total Sleep Time

#21 Myrta Mathews, PhD, Lecturer, College of Liberal Arts
Postural Orthostatic Tachycardia Syndrome: A Common Female-Predominant Neurological Condition

#22 Caitlin Millett, BS, Psychiatry, College of Medicine
LPS causes sex-specific effects on depressive-like behavior and oxidative stress in a rodent model acutely and longitudinally

#23 Sheridan Miyamoto, PhD, Assistant Professor, Nursing, College of Nursing
The Pennsylvania Sexual Assault Forensic Examination Telehealth (SAFE-T) Center: Creating a statewide telehealth solution to enhance access to high quality sexual assault care in underserved communities

#24 Jehan Momin, MD, Medicine, College of Medicine
Ancient medicine in practice: The Influence of the Hippocratic Theory of “Hysteria” on the treatment of women’s pain

#25 Carlo Panlilio, PhD, Assistant Professor, EPCSE, College of Education
Assessing Risk of Commercial Sexual Exploitation Among Children Involved in the Child Welfare System

#26 Abigail Pauley, Student, Kinesiology, College of Health & Human Development
Determinants of Healthy Eating and Exercise in Overweight/Obese Pregnant Women and the Impact of Intensive, Individually-Tailored Adaptive Gestational Weight Gain Intervention
#27 Abigail Pauley, Student, Kinesiology, College of Health & Human Development

Poor Psychological Health & Control in Overweight Pregnant Women: Possible Barriers to Exercise/Healthy Eating Self-Regulation

#28 Kelsey Quigley, MS, Graduate Student, Psychology, College of Liberal Arts

Exclusive breastfeeding predicts decreased physiological arousal only in primiparous women

#29 Haleh Ramian, MS, Student, Health Policy & Administration, College of Health & Human Development

The Association between the ACA Elimination of Cost Sharing for Preventive Services and the Use of Cervical Cancer Screening

#30 Mary Riddle, PhD, Lecturer, Psychology, College of Liberal Arts

The Role of Religion and Spirituality in Conceptualizing Reproductive Loss among Gestational Surrogates

#31 Joel Segal, PhD, Assistant Professor, Health Policy & Administration, College of Health & Human Development

Frequencies of private mentions and sharing of mammography and breast cancer terms on Facebook: a pilot study

#32 Joel Segal, PhD, Assistant Professor, Health Policy & Administration, College of Health & Human Development

Evaluation of the “Angelina Jolie effect” on screening mammography utilization in an academic center

#33 Katherine Shoemaker, BS, Medical Student, Medicine, College of Medicine

How do adverse obstetric healthcare experiences impact women’s trust in their physician? The mediating role of patient-doctor alliance and institutional betrayal

#34 Ashley Snyder, MD, Assistant Professor, Medicine, College of Medicine

Internists underperform in provision of highly effective contraception
#35 Emily Southmayd, BS, Graduate Student, Kinesiology, College of Health & Human Development

*Energy Status and Estrogen Exposure Predict Bone Turnover Rate in Young Exercising Women*

#36 Anna Stanhewicz, PhD, Postdoc Fellow, Kinesiology, College of Health & Human Development

*Attenuated Endothelin Type B Receptor-Mediated Dilation Contributes to Endothelial Dysfunction in the Microvasculature of Women Who Have Had Preeclampsia*

#37 Anita Subramanian, MS, Graduate Research Assistant, Nutritional Sciences, College of Health & Human Development

*Vitamin D Metabolites across the Menstrual Cycle: A Systematic Review*

#38 Cristina Truica, MD, Associate Professor, Medicine, College of Medicine

*Lack of correlation between Charlson Comorbidity Risk Index and surgical recommendations in the treatment of elderly women with early stage breast cancer (BC)*

#39 Cristina Truica, MD, Associate Professor, Medicine, College of Medicine

*Worse survival in elderly patients with non-metastatic breast cancer (BC) treated without surgery – A Population Based study using the SEER 18 Data Base*

#40 Molly Carney, BA, Student Researcher, Medicine, College of Medicine

*Breast milk miRNA concentrations and Infant weight*