

VCU *Institute for* Women's Health



13th Annual Women's Health Research Day

March 29, 2017

**Hermes A. Kontos Medical Sciences
Building Auditorium**

*A Celebration and Promotion of Research Activities in Women's Health at
Virginia Commonwealth University*



Welcome to the 13th Annual Women's Health Research Day!

Program Chair

Susan G. Kornstein, MD, Professor of Psychiatry, IWH Executive Director

Poster Awards Judges

- Pamela Dillon, Pharm D., Assistant Professor , Center for Clinical and Translational Research; staff, AWHARE
- Dace Svikis, PhD, Professor of Psychology; Director, AWHARE; Deputy Director, Institute for Women's Health
- Jaime Sturgill, PhD, Assistant Professor, School of Nursing; Director of Biobehavioral Laboratory Services, Department of Family and Community Health Nursing
- Gretchen Neigh, PhD, Associate Professor, Department of Anatomy and Neurobiology
- Susan Bodnar-Deren, PhD, Assistant Professor, Sociology
- RaShel Charles, MPH, IWH Director of Research Development and Grant Management

Special Thanks

Viktor Bovbjerg, PhD

VCU *Institute for* Women's Health

13th ANNUAL WOMEN'S HEALTH RESEARCH DAY

Wednesday, March 29, 2017

1:30 to 4:30 pm

Hermes A. Kontos Medical Sciences Building

- 1:00 Registration
- 1:30 **Welcome & Introductory Remarks:**
Susan Kornstein, MD, Executive Director, Institute for Women's Health
- 1:40-3:00 **Keynote Lecture: "A Life in Women's Health: A Quest for the Essence"**

Eli Y. Adashi, MD, MA, FRCOG, Brown University School of Medicine
- 3:00-3:15 **Women's Health Research Day Awards Ceremony**
- Best Poster Awards in Basic, Clinical and Translational, Community and Public Health
 - Poster Award: Elizabeth Ann Fries Young Investigator Award
 - Poster Award: Building Interdisciplinary Bridges in Women's Health Research
- 3:15-4:30 **Poster Session and Reception**

13th Annual Women's Health Research Day Keynote Lecture Speaker



The former Dean of Medicine and Biological Sciences at Brown University (during its 2007 renaming in honor of Mr. Warren Alpert), Dr. Adashi is an academic physician-executive. Harvard-educated in Health Care Management (MS, 2005), Dr. Adashi is a member of the **National Academy of Medicine** (NAM) of the National Academy of Sciences, the **Association of American Physicians** (AAP), and the **American Association for the Advancement of Science** (AAAS). Dr. Adashi received his medical degree in 1973 from the Sackler School of Medicine, completed residency training in Obstetrics and Gynecology at Tufts University (1974-77), and pursued fellowship training in the subspecialty of Reproductive Endocrinology and postdoctoral training in reproductive biology at Johns Hopkins University and at the University of California at San Diego, respectively (1977-81). Faculty positions were held at the University of Maryland (1981-1996), the University of Utah (1996-2004), and Brown University (2004-present). Prior to

joining Brown University, Dr. Adashi was the John A. Dixon Endowed Presidential Professor and Chair of the Department of Obstetrics and Gynecology at the University of Utah Health Sciences Center (1996-2004) and the founder and leader of the Ovarian Cancer Program of the Huntsman Cancer Research Institute (1999-2004).

Dr. Adashi has been the recipient of continuous National Institute of Health (NIH) funding from 1985 to 2005 inclusive of a Research Career Development Award. Mentor to over 50 postdoctoral trainees, and the author or co-author of over 350 peer-reviewed publications, Dr. Adashi contributed over 120 book chapters/reviews, and co-edited or edited 15 books in the general area of reproductive medicine with special emphasis on ovarian biology. Dr. Adashi's work has also seen press with the **New York Times**, the **Washington Post**, the **Boston Globe**, the **Huffington Post** and several other media venues. NIH service included but was not limited to membership with the National Council of the National Institute of Child Health and Human Development (NICHD)(1997-2001), the Reproductive Endocrinology Study Section (1988-1992), and the Selection Committee of the Reproductive Scientist Development Program (RSDP)(1988-2005). Dr. Adashi is the former Editor-In-Chief of *Seminars in Reproductive Medicine* and the former Associate Editor of *Endocrinology*, *Journal of the Society for Gynecologic Investigation*, *Reproductive Medicine Review*, *Seminars in Reproductive Endocrinology*, *Reproductive Medicine Review*, and *Reviews in Endocrine and Metabolic Disorders*. A former Franklin fellow and Senior Advisor on Global Women's Health to the Secretary of State Office of Global Women's Issues (1st term of the Obama Administration), Dr. Adashi is the chair of the Medical Executive Committee and the Medical Advisory Council of the Jones Foundation for Reproductive Medicine, a member of the Advisory Council of The Hastings Center, and a member of the Board of Governors of Tel Aviv University. Dr. Adashi is a former member of the Board of Directors of Physicians for Human Rights, the Council on Foreign Relations, the Global Agenda Council on Population Growth of the World Economic Forum, and the Medicare Evidence Development & Coverage Advisory Committee (MEDCAC) of the Centers for Medicare & Medicaid Services (CMS).

In addition, Dr. Adashi is a former advisor to the National Committee for Quality Assurance (NCQA), the WHO, the World Bank, the Rockefeller Foundation, and the Bill and Melinda Gates Foundation. A Fellow and Eundem with the Royal College of Obstetricians and Gynaecologists (FRCOG) and a former Examiner and Director of the Division of Reproductive Endocrinology of the American Board of Obstetrics and Gynecology (ABOG), Dr. Adashi has served as President of the Society for Reproductive Endocrinologists (SRE), the Society for Gynecologic Investigation (SGI), and the American Gynecological and Obstetrical Society (AGOS). Elected to the IOM in 1999, Dr. Adashi has served as a **member** of the committees on Antiprogestins: Assessing the Science (1993), Understanding Premature Birth and Assuring Health Outcomes (2005-2006), Human Embryonic Stem Cell Research (2006-2009), and Women's Health Research (2008-2012). In addition, Dr. Adashi served as **co-chair** of the Committee on Reducing Childbirth Mortality in Indonesia (2012-2013). Finally, Dr. Adashi has served both as a **reviewer** and a **review coordinator** for multiple IOM reports. Dr. Adashi is also a former member of the Board on Health Sciences Policy. As a tenured Professor of Medical Science at Brown University, Dr. Adashi is a member of the **Brown Center for Prisoner Health and Human Rights** while maintaining multiple educational responsibilities inclusive of the co-directorship of the Healthcare in America course (a highly subscribed medical school elective) and the co-directorship of the Healthcare Policy Concentration (an elective for medical students with special interest in Healthcare Policy).

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ABSTRACTS

March 29, 2017

ID	Submitting Author	Authorship	Poster Title
1	Ahluwalia, Vishwadeep	Vishwadeep Ahluwalia, PhD, Gastroenterology, Hepatology and Nutrition; Melanie B White, RN, Gastroenterology, Hepatology and Nutrition; Andrew Fagan, BS, Gastroenterology, Hepatology and Nutrition; Richard K Sterling, MD, Gastroenterology, Hepatology and Nutrition; RT Stravitz, MD, Gastroenterology, Hepatology and Nutrition; Douglas Heuman, MD, Gastroenterology, Hepatology and Nutrition; Scott Matherly, MD, Gastroenterology, Hepatology and Nutrition, Virginia Commonwealth University and McGuire VA Medical Center, Richmond, Virginia; HoChong Gilles, PhD, Gastroenterology, Hepatology and Nutrition; Velimir Luketic, MD, Gastroenterology, Hepatology and Nutrition; Jill Gaidos, MD, Gastroenterology, Hepatology and Nutrition; James B Wade, PhD, Dept. of Psychiatry; Jasmohan S Bajaj, MD, Gastroenterology, Hepatology and Nutrition—VCU and McGuire VA Medical Center	The Role of Gender in Brain Function and Recovery after Liver Transplant in Cirrhosis.
2	Alhareeri, Areej	Areej, Alhareeri, Department of Pathology, Virginia Commonwealth University; Debra, Lyon, Biobehavioral Nursing Science, University of Florida School of Nursing; R.K., Elswick, Department of Family and Community Health Nursing, Virginia Commonwealth University; Debra, Lynch Kelly, Biobehavioral Nursing Science, University of Florida School of Nursing; Colleen, Jackson-Cook, Department of Pathology, Virginia Commonwealth University	Telomere length in women with breast cancer: A longitudinal study of their relationship to chemotherapy and psychoneurological symptoms.
3	Amendola, Michael	Michael Amendola, Department of Surgery, VCU Health System; Nathaniel Lee, Department of Surgery, VCU Health System; Nital Appelbaum, Office of Assessment and Evaluation Studies, VCU School of Medicine; Kelley Dodson, Department of Otolaryngology, VCU Health System; Brian Kaplan, Department of Surgery, VCU Health System	Surgical Resident Well-Being: Implications of Gender and Family Structure
4	Awate, Olivia	Olivia Awate, post baccalaureate, department of microbiology and immunology; Cynthia N. Cornelissen, PhD, department of microbiology and immunology	Functional Analysis of HpuA Hemoglobin Binding in Neisseria Gonorrhoeae

5	Bagdas, Deniz	Deniz Bagdas, Department of Pharmacology and Toxicology, Virginia Commonwealth University, and Experimental Animals Breeding and Research Center, Uludag University, Bursa, Turkey; Wisam Nabeel Elia, Department of Pharmacology and Toxicology, Virginia Commonwealth University; Rita Yu-Tzu Chen, Department of Pharmacology and Toxicology, Virginia Commonwealth University; Thomas Eissenberg, Department of Psychology and Center for the Study of Tobacco Products, Virginia Commonwealth University; M. Imad Damaj, Department of Pharmacology and Toxicology, Virginia Commonwealth University.	Sex-, age- and concentration-specific effects of menthol flavor on nicotine consumption and preference in mice
6	Baylor, Allison	Allison Baylor, M.S., Erin Smith, M.S., Sarah Griffin, M.S., Michael Trujillo, M.S., Paul Perrin, Ph.D., & Bruce Rybarczyk, Ph.D.	Gender Differences in Adult and Childhood Trauma Exposure in an At-Risk Community Sample.
7	Bekhbat, Mandakh	Mandakh, Bekhbat, Department of Physiology, Emory University, Atlanta, GA; Tanja, Jovanovic, Department of Psychiatry and Behavioral Sciences, Emory University, Atlanta, GA; Vasiliki, Michopoulos, Department of Psychiatry and Behavioral Sciences, Emory University, Atlanta, GA; Igbo, Ofotokun, School of Medicine, Emory University, Atlanta, GA; Gretchen, Neigh, Department of Physiology, Emory University, Atlanta, GA, Department of Anatomy & Neurobiology, Virginia Commonwealth University, Richmond, VA	HIV alters PTSD symptomology and psychophysiology in traumatized individuals.
8	Bodas, Mandar	Mandar Bodas, Department of Health Behavior and Policy, Virginia Commonwealth University	Improving Maternal Healthcare in Rural India: Policies That Work and Health Facilities That Do Not.
9	Bodnar-Deren, Susan	Susan Bodnar-Deren PhD, Department of Sociology and Institute for Women's Health, Virginia Commonwealth University; Katherine A. Legare MD, Department of Obstetrics, Gynecology and Reproductive Science, Mount Sinai School of Medicine; Amy N. Balbierez MPH, Department of Population Health Science & Policy, Mount Sinai School of Medicine; Elizabeth A. Howell MD, MPP, Department of Population Health Science & Policy and Department of Obstetrics, Gynecology, and Reproductive Science, Mount Sinai School of Medicine.	Association between race, ethnicity and nativity with breastfeeding rates at 6-months postpartum.
10	Braun, Sarah	Sarah E. Braun, MS, Ashlee Loughan, PhD	Gender Differences in Depression in Brain Tumor Patients

11	Brosnan, Phoebe	Phoebe Brosnan, Department of Psychology, VCU; Center for the Study of Tobacco Products, VCU, BA; Nicole Nicksic, Center for the Study of Tobacco Products, VCU; Department of Health Behavior and Policy, VCU; Nadia Chowdhury, Department of Psychology, VCU; Center for the Study of Tobacco Products, VCU, BS; Jacob Graham, Department of Psychology, VCU; Center for the Study of Tobacco Products, VCU, BS; Miao-Shan Yen, Center for the Study of Tobacco Products, VCU; Department of Biostatistics, VCU, MS; Caroline Cobb, Department of Psychology, VCU; Center for the Study of Tobacco Products, VCU, PhD;	Does gender influence the relationship between depression/anxiety risk, health symptoms, and smoking behaviors?
12	Cusack, Shannon	Alina Massey, Department of Psychology, VCU; Shannon Cusack, Department of Psychology, VCU; Danielle Dick, Departments of Psychology, African American Studies, and Human and Molecular Genetics; Kenneth Kendler, Department of Psychiatry; Scott Vrana, Department of Psychology, VCU	Gender differences in misophonia and related personality traits
13	Do, Elizabeth	Elizabeth K. Do, C. Kenneth and Dianne Wright Center for Clinical and Translational Research, Virginia Institute for Psychiatric and Behavioral Genetics, VCU; Hermine H. Maes, Virginia Institute for Psychiatric and Behavioral Genetics, Departments of Human and Molecular Genetics, and Massey Cancer Center, VCU; Danielle M. Dick, Departments of Psychology, African American Studies, and Human & Molecular Genetics, VCU; Kenneth S. Kendler, Department of Psychiatry, Virginia Institute for Psychiatric and Behavioral Genetics, VCU	Sex Differences in Fagerstrom Test for Nicotine Dependence Items
14	Edmonds, Megan	Shawnita Sealy-Jefferson, PhD, MPH, Department of Family Medicine & Population Health; Megan Edmonds, MPH, Department of Family Medicine & Population Health; Dawn P. Misra, PhD Wayne State University	Joint effect of perceptions of early-life neighborhood stressors and current stress on preterm delivery among urban African American women
15	Effi, Comfort	Matthew Mariyampillai, Medical College of Virginia; Briana James, Department of Microbiology and Immunology, Virginia Commonwealth University; Leandro M. Martinez, Department of Pathology, Virginia Commonwealth University; Paula Bos, Department of Pathology, Virginia Commonwealth University.	CCL2/CCR2 Pathway Mediates Antitumor Effects of Treg Cell Ablation in Metastatic Breast Cancer.
16	Guidry, Jeanine	Jeanine Guidry, Health Behavior & Policy, Virginia Commonwealth University; Kellie Carlyle, Health Behavior & Policy, Virginia Commonwealth University	#Zika on Instagram: How publics discuss the health crisis through online visuals and text

17	Guthrie, Rockelle	Rockelle S. Guthrie, Department of Anatomy and Neurobiology, Virginia Commonwealth University, Richmond, VA; Sydney A. Rowson, Mandakh Bekhbat, Department of Physiology, Emory University, Atlanta, GA ; Gretchen N. Neigh, Department of Anatomy and Neurobiology, Virginia Commonwealth University, Richmond, VA	The Effects of Adolescent Stress on Gene Expression in the Hippocampus of Adult Female Rats
18	Hassan, Zaneera	Zaneera Hassan, Department of Pharmaceutics, VCU; Adam Hawkrige, Department of Pharmacotherapy and Outcomes Science & Department of Pharmaceutics, VCU; Gregory Buck, Department of Microbiology and Immunology & Center for the Study of Biological Complexity, VCU; Jennifer Fettweis, Department of Obstetrics and Gynecology & Center for the Study of Biological Complexity, VCU; Kimberly Jefferson, Department of Microbiology and Immunology, VCU; Myrna Serrano, Center for the Study of Biological Complexity	Proteomic Characterization of the Vaginal Metaproteome
19	Hughes, Kelly	Kelly Hughes, Radiation Oncology, VCU Massey Cancer Center; Christopher McLaughlin, MD, Radiation Oncology, VCU Massey Cancer Center; Emma Fields, MD, Radiation Oncology, VCU Massey Cancer Center	HDR Salvage Interstitial Brachytherapy: A Creative Approach to the Treatment of Therapeutically Challenging Recurrent Vulvar Cancer
20	Johnson, Candace	Candace, Johnson, Nursing, Virginia Commonwealth University School of Nursing; Leigh, Small, Nursing, University of Colorado School of Nursing; Leroy, Thacker II, Biostatistics, Virginia Commonwealth University School of Nursing; Chelsee Sales, Biomedical Engineering Major, Virginia Commonwealth University School of Engineering; Pascaline, Ezoah, General Science Major, Virginia Commonwealth University. Camille Brenke, Nursing Major, Virginia Commonwealth University School of Nursing.	Awareness, accountability and taking the time: Perceptions of barriers and facilitators to health promoting behaviors in African-American women at risk for chronic disease.
21	Kelpin, Sydney	Sydney Kelpin, MS, Clinical Program(Behavioral Medicine) VCU; Scott Rusteikas, DO, Department of Obstetrics and Gynecology VCU; Nicole Karjane, MD, Department of Obstetrics and Gynecology VCU and Dace Svikis*, PhD. VCUHS	Identifying Women at Risk for Tobacco, Alcohol and Other Drug Use: Does Age Matter?
22	Legakis, Luke	Luke, Legakis, Pharmacology and Toxicology, Virginia Commonwealth University; Steve, Negus, Pharmacology and Toxicology, Virginia Commonwealth University	Effects of repeated morphine in female and male rats with chemotherapy-induced neuropathy: Antinociceptive tolerance and reward enhancement.

23	Neale, Zoe	Zoe E. Neale, Department of Psychology, Virginia Commonwealth University; Linda Hancock, The Wellness Resource Center, Virginia Commonwealth University; Kristen Kidd Donovan, The Wellness Resource Center, Virginia Commonwealth University; Danielle M. Dick, Departments of Psychology and Human and Molecular Genetics, Virginia Commonwealth University	Sex Differences in the Effectiveness of a Web-based Intervention for College Student Alcohol Use
24	Overstreet, Cassie	Cassie Overstreet, M.S., Psychology Department, Virginia Commonwealth University; Emily Brown, M.S.W., Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University; Sage McNett, B.S., Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University; Erin Berenz, Ph.D., Department of Pediatrics, University of Virginia; Dawn W. Foster, Ph.D., Department of Psychiatry, Yale University; Carolyn E. Sartor, Ph.D., Department of Psychiatry, Yale University; Ananda Amstadter, Ph.D., Psychology Department, Virginia Institute for Psychiatric and Behavioral Genetics, Virginia Commonwealth University	Gender Differences in Anxiety Sensitivity and Distress Tolerance Profiles and Associations with Posttraumatic Stress Disorder in a College-aged Sample.
25	Pattah, Priyadarshini	Priyadarshini Pattath, School of Education, Virginia Commonwealth University	Work-related musculoskeletal disorders in computer professionals: Gender and age differences.
26	Polak, Kathryn	Kathryn, Polak, Psychology Department, College of Humanities & Sciences; Sebastian, Tong, Family Medicine and Population Health, Medicine; Michael Weaver; Dace, Svikis, Psychology Department, College of Humanities & Sciences; David, Pomm, Psychology Department, College of Humanities & Sciences; Enkelejda, Ngjelina, Psychology Department, College of Humanities & Sciences.	Gender differences in prescription drug misuse in a sample of primary care patients.
27	Quinn, Bridget	Bridget A. Quinn, Radiation Oncology, VCU; Xiaoyan Deng, Biostatistics, VCU; Adrienne Colton, Obstetrics and Gynecology, VCU; Dipankar Bandyopadhyay, Biostatistics, VCU; Jori Carter, Obstetrics and Gynecology, VCU; Emma C. Fields, Radiation Oncology, VCU.	Increasing age predicts poor cervical cancer prognosis with subsequent effect on Radiation Oncology Medicine
28	Slaughter, Ashley	Ashley Slaughter, Department of Surgery, McGuire Veterans Affairs Medical Center, VCUHS; Michael Amendola, Department of Surgery, McGuire Veterans Affairs Medical Center, VCUHS	The Glass Ceiling: Does It Exist in Vascular Surgery Departments?

29	Ngjelina, Enkelejda	Ngjelina, E., Graduate Student Health Program VCU; Polak, K., Graduate Student Clinical Program VCU; Safford, L., Rehabilitation Counseling VCU; Dibble, A., Salem VA Medical Center; May, J., Richmond Behavioral Health Authority; Farrell-Moore, D., Richmond Behavioral Health Authority and Svikis, D.S., Psychology VCU	Comparing health care needs and service utilization patterns for males and females enrolled in substance abuse treatment.
30	Underwood, Jennifer	Jennifer Underwood, School of Education; Andrea Moreau, School of Education; Abigail Conley, School of Education	Understanding College Student Survivors' Utilization of Campus Resources: Impact of Campus Connectedness and Gender Identity
31	Michelle D. Warthan	Michelle D. Warthan, Ronald Ramus, Jerome F. Strauss III, and Eun D. Lee	The N392 ERAP2 Variant Promotes Immune Clearance of Gestational Choriocarcinoma Cells
32	Zhao, Sherry	Sherry Zhao, Department of Radiation Oncology, Massey Cancer Center; Dorin Todor, Department of Radiation Oncology, Massey Cancer Center; Emma Fields, Department of Radiation Oncology, Massey Cancer Center.	Proficiency-based cervical cancer brachytherapy training: An effort to combat recent trends in radiation oncology that result in worse outcomes for an underserved population through resident education.

Institute for Women's Health

The mission of the VCU Institute for Women's Health is to promote standards of excellence in women's health care, advance cutting-edge research, foster community engagement and collaboration, enhance women's leadership and provide professional education toward the goal of improving the health of women across the lifespan

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Susan Kornstein, MD, Professor, Psychiatry

Deputy Director

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Director of Research Development and Grant Management

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FULL ABSTRACTS ARE AVAILABLE ON THE WEBSITE

www.womenshealth.vcu.edu/research/whrd.html

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