

Vanessa J. Hux, M.D.

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Education and Training

- 06/2014 – 6/2018 The Ohio State University/Mt. Carmel Health Residency Program in Obstetrics and Gynecology - Columbus, OH
- *Resident Physician*
 - *Education Chief 2017-2018*
- 07/2009 - 05/2014 Vanderbilt University School of Medicine - Nashville, TN
- *Doctor of Medicine*
- 07/2012 - 05/2013 University of Pittsburgh Institute for Clinical Research and Education – Pittsburgh, PA
- *Graduate Certificate in Clinical Research*
- 08/2005 – 05/2009 Yale University - New Haven, CT
- *Bachelor of Science in Molecular Biophysics and Biochemistry*

Faculty Position

- 08/2018 - present University of South Florida College of Medicine, Division of Specialists in General Obstetrics and Gynecology in the Department of Obstetrics and Gynecology- Tampa, FL
- *Assistant professor:* Provide direct patient care, participate in student and resident education, and conduct research within the division of general obstetrics and gynecology.

Honors and Awards

- 03/2020 American Psychosomatic Society Young Investigators Colloquium Scholar – *Event cancelled due to COVID-19 pandemic*
- 05/2019 University of South Florida Women’s Health Collaborative Foundation Seed Grant Award Recipient
- 03/2014 American Psychosomatic Society Medical Student/Medical Resident/Medical Fellow Travel Scholarship Award
- 03/2013 Student National Medical Association Physician Researcher Initiative Travel Award
- 07/2009 Dean’s Scholarship (renamed Cornelius Vanderbilt Scholarship in 2012)
- 04/2009 Unite for Sight Volunteer of the Year
- 01/2008 Science, Technology, and Research Scholars II Fellowship

Research Interests

Allostatic load and its association to adverse pregnancy outcomes and the postpartum period
Chronic stressors and reproductive health
Developmental origins of health and disease and life course perspective
Experiences of everyday, ethnic, and gender discrimination and their effects on reproductive health

Ongoing Research

- 03/2019 – present University of South Florida, Department of Obstetrics and Gynecology

Project title: Experiences of Discrimination Among Non-Pregnant and Pregnant Women – Tampa, Florida

- *Role: Principal Investigator*
- Collaborators: Roneé Wilson, MPH, PhD and Kristen Salomon, PhD
- Funding: USF Women’s Health Collaborative Seed Grant

Past Research Experience

- 01/2016 – 1/2018 The Ohio State University/ Nationwide Children’s Hospital, Resident Research Project – Columbus, Ohio
- *Resident Researcher:* Built database and analysis of pregnancy and behavioral outcomes in the Teen and Pregnant Clinic at Nationwide Children’s Hospital
Mentor: Kara Malone, MD
- 07/2012 – 06/2013 Doris Duke Clinical Research Fellowship and National Institute of Mental Health Medical Student Research Fellowship – Pittsburgh, PA
- *Research Fellow:* Worked on an interdisciplinary project on allostatic load, chronic stress, and adverse pregnancy outcomes.
Mentor: James M. Roberts, M.D.
Funding: Doris Duke Charitable Foundation and 5R25 MH054318-16
- 05/2010 – 05/2011 Emphasis Research Program-Nashville, TN
- *Student Researcher:* Completed a community-engaged research project on obesity prevention in pregnant Latinas and recruitment strategy effectiveness.
Mentor: Sabina Gesell, PhD
Funding: 5T35 DK007383-31
- 01/2008 – 05/2009 Science, Technology, and Research Scholars (STARS) II Program-New Haven, CT
- *Student Fellow:* Conducted research project to develop a new genomic methylation filtration technology for sequencing large, anonymous genomes.
Mentors: Stephen Dellaporta, PhD and Maria Moreno, PhD
- 06/2006 – 08/2006 Science, Technology, and Research Scholars (STARS) I Program-New Haven, CT
- *Student Researcher:* During summer program, examined the expression of green florescent protein (GFP)-tagged proteins from GFP insertions in non-coding sequences using reverse transcriptase-polymerase chain reaction and Western blots.
Mentor: Lynn Cooley, PhD

Medical Faculty Teaching Experience

- 7/2020 - present University of South Florida College of Medicine – Medicine and Gender Scholarly Concentration
- *Faculty leader:* Join leadership team to facilitate curriculum in gender-specific medicine for first through fourth year medical students.
- 10/ 2019 University of South Florida CAMLS Obstetrical Simulations Course
- *Course faculty:* Taught course and simulation of shoulder dystocia for professional educational course.

- 08/2018 – present University of South Florida College of Medicine - Maternal Newborn Clerkship
- *Attending and Clinical Preceptor*: Faculty for third year medical student clerkship
- 08/2018 – present University of South Florida College of Medicine – Surgical Care Clerkship
- *Attending and Clinical Preceptor*: Faculty for third year medical student clerkship

Professional Development

NICHD Clinician Scientist Meeting. August 27-29, 2019. Potomac, Maryland.
 USF Faculty Scientific Writing Workshop. November 7, 2018. Tampa, Florida.

University Committees and Professional Service

- 06/2020 – present Growing and Glowing
- *Physician Contributor*: Work with Public Good Projects on social media campaign to improve black maternal health in the Tampa Bay Region.
- 01/2020 – present Black Maternal Health Working Group
- *Organizer and member*: Formed group of individuals to focus on developing departmental events and strategic initiatives for addressing the black maternal mortality and morbidity crisis. Organized events and programming for Black Maternal Health Week.
- 07/2019 – present American Psychosomatic Society Professional Education Committee
- *Committee Co-Chairperson*: Address programming and professional educational needs of the national membership. Provide additional guidance on needs of physician membership.
- 06/2019 – present Tampa General Hospital Labor and Delivery External Cephalic Version Working Group
- *Working group member*: Improving process of scheduling, performing, and capturing external cephalic version on Labor and Delivery. Expanded ability to offer regional anesthesia to all patients undergoing procedure.
- 04/2019 – present Florida Perinatal Quality Collaborative Promoting Primary Vaginal Deliveries (PROVIDE) Initiative
- *Physician Champion for Tampa General Hospital*: Currently work to promote and develop initiatives in Labor and Delivery to reduce the rate of cesarean section among nulliparous women.
- 01/2019 – present University of South Florida, Biomedical and Social-Behavioral Institutional Review Board
- *Alternate Board Member*: Currently serve as a consultant reviewer for non-obstetric studies including pregnant patients.
- 12/2018 – present University of South Florida, Department of Obstetrics and Gynecology Scientific Review Committee
- *Member*: Participate in review of proposed departmental research.
- 09/2016 – 11/2016 Sentinel Event Working Group (Event 20560), The Ohio State University Medical Center

- *Group member*: Participated in interdisciplinary working group to analyze causal factors, to identify a root cause, and develop an action plan with risk reduction strategy in investigating an operating room sentinel event.

08/2009 – 04/2014 Student National Medical Association

- *Dines Fellow for the Physician Researcher Initiative (2013-2014)*: Coordinated national annual conference curriculum and developing a year-long national programming to increase interest in academic medicine among underrepresented minorities.
- *Associate Regional Director (2011-2012)*: Coordinated activities and initiatives among chapters in Region 10 (Tennessee and Kentucky). Served as a member of the Region 10 Executive Board.
- *Chapter Vice President (2010-2011)*: Coordinated community service activities. Created chapter committees focused on community service, minority medical student recruitment, and health disparities week and chaired community service committee.

12/2011 Events Staff Student Selection Committee

- *Committee Member*: Interviewed and provided input on selection of a new events staff member at Vanderbilt University School of Medicine.

10/2010 – 5/2011 Vandy Vision Mentoring Program

- *Project coordinator*: Created and managed collaborative project dedicated to providing information and mentoring support to high school students looking to become first-generation college students. Program earned funding from the SNMA National Community Service Grant and 1st place at the 2011 SNMA National Conference Community Service Forum.

04/2010 – 11/2010 Beyond Babies and Barr Bodies: Women's Health Week 2010

- *Co-coordinator*: Planned a week of school-wide events focusing on women's health issues and disparities.

Professional Organizations

American College of Obstetricians and Gynecologists, ACOG Junior Fellow, 2014 - present

American Psychosomatic Society, Member, 2019 - present

Society for Academic Specialists in General Obstetrics and Gynecology 2017- present

Publications and Presentations

Peer-Reviewed Publications

Hux, V., Roberts, J.M., Okun, M.L (2017). Allostatic load in early pregnancy is associated with poor sleep quality. *Sleep Medicine*. 2017 May; 33: 85-90.

Hux, V. and Roberts, J.M. (2015). A Potential Role for Allostatic Load in Preeclampsia. *Maternal and Child Health Journal*. 2015 Mar; 19(3): 591-7.

Hux, V., Catov, J.M., Roberts, J.M. (2014). Allostatic Load in Women Reporting Low Birth Weight Infants in the National Health and Nutrition Examination Survey. *Journal of Women's Health*. 2014 Dec; 23 (12) 1039-45.

Gesell, S.B., Wallace, D., Tempesti T., **Hux, V.**, Barkin, S.L. (2012). Increasing Latino Parents' Verbal Interactions with Their Preschool-Aged Children. *ISRN Education*, vol. 2012, Article ID 652406, 9 pages, 2012. doi:10.5402/2012/652406.

Poster Presentations

Rollins, M., Louis-Jacque, A.F., Urmi, S.A., and **Hux, V.** Allostatic load and hair cortisol in a sample of healthy postpartum women. (March, 2020). Accepted for presentation at the Annual Meeting of the American Psychosomatic Society. *Meeting cancelled due to COVID-19 pandemic.*

Hux, V. and Louis, J. Allostatic load and inflammation are associated with disordered sleep in obese pregnant women. (March, 2019). Annual Meeting of the American Psychosomatic Society. Vancouver, British Columbia, Canada.

Pradhan, S., **Hux, V.**, Stetson, B., and Schaffir, J. (April, 2018). Intrauterine Fetal Demise (IUFD) in Non-Communicating Horn of Unicornuate Uterus: A Case Report. NASPAG Annual Clinical and Research Meeting. West Palm Beach, FL.

Hux, V., Chapman, C., and Malone, K. (April, 2018). Selection and post-partum placement of long-acting reversible contraceptives in a teen-specific prenatal clinic. NASPAG Annual Clinical and Research Meeting. West Palm Beach, FL.

Chapman, C., **Hux, V.**, and Malone, K. (April, 2018). Breastfeeding intent and attempt in a teen-specific prenatal care clinic. NASPAG Annual Clinical and Research Meeting. West Palm Beach, FL.

Hux, V., Roberts, J.M., and Okun, M.L. (March, 2014). Higher allostatic load in early pregnancy is associated with chronic stress and poorer sleep quality. Poster presentation. Annual Meeting of the American Psychosomatic Society. San Francisco, CA.

Hux, V., Roberts, J.M., and Okun, M.L. (November, 2013). Allostatic load in early pregnancy is associated with chronic stress and poorer sleep quality. Poster presentation. Perinatal Mental Health Meeting. Chicago, IL.

Hux, V. and Roberts, J.M. (November, 2013). A Potential Role for Stress and Allostatic Load in the Development of Preeclampsia. Poster presentation. Perinatal Mental Health Meeting. Chicago, IL.

Hux, V. and Roberts, J.M. (May, 2013). Is Chronic Stress Associated with Preeclampsia?. Poster presentation. 13th Annual Department of Psychiatry Research Day. Pittsburgh, PA.

Hux, V. and Roberts, J.M. (May, 2013). A Role for Allostatic Load in Preeclampsia. Poster presentation. 2013 Annual Research Day in Reproductive Biology and Women's Health. Pittsburgh, PA.

Hux, V. and Roberts, J.M. (May, 2013). The Potential Role of Allostatic Load in Preeclampsia. Poster presentation. Doris Duke Clinical Research Fellowship 2013 Meeting. Herndon, VA.

Hux, V., Catov, J.M., Roberts, J.M. (March, 2013). Allostatic Load in Women Reporting Low Birth Weight Infants in the National Health and Nutrition Examination Survey. Poster presentation. Annual Scientific Meeting of the Society for Gynecologic Investigation. Orlando, FL.

Hux, V., Escarfuller, J., Ruchman, E., Crook, A., Ferrell, K., Gesell, S.B. (April, 2011). Recruitment of Pregnant Latinas for Madre Sana, Bebé Sano, a Healthy Postpartum Weight Loss Randomized Controlled Trial. Poster presentation. Student National Medical Association Dr. Wilbert C. Jordan Student Research Forum. Indianapolis, IN.

Hux, V., Escarfuller, J., Ruchman, E., Crook, A., Ferrell, K., Gesell, S.B. (August, 2010). Recruitment of Pregnant Latinas for Madre Sana, Bebé Sano, a Healthy Postpartum Weight Loss Randomized Controlled Trial. Poster presentation. NIDDK Diabetes Research Centers Medical Student Research Symposium. Nashville, TN.

Departmental, Intramural, and Invited Presentations

Hux, V. (April, 2020). Panelist. USF Health Facebook Live Event on National Minority Health Month. USF Health. Facebook Live Presentation. Tampa, FL.

Hux, V. (March, 2020). Moderator. Black Maternal Health Week Speaker Symposium. University of South Florida Department of Obstetrics and Gynecology. Virtual Presentation. Tampa, FL.

Hux, V. and Brennan, D (February, 2020). PROVIDE Webinar: Pre-Cesarean Checklists. Florida Perinatal Quality Collaborative. Virtual Event.

Hux, V. and Brennan, D. (January, 2020). PROVIDE 2.0 Launch Presentation. University of South Florida Department of Obstetrics and Gynecology. Tampa, FL.

Hux, V. (May, 2018). Biological Mechanisms of Persistent Health Disparities. The Ohio State University Department of Obstetrics and Gynecology Grand Rounds. Columbus, OH.

Hux, V. (December, 2017). Post-partum Behavioral Outcomes for Traditional Care and Centering Pregnancy Care Models in the Teen and Pregnant Clinic. The Ohio State University Department of Obstetrics and Gynecology Resident Research Day. Columbus, OH.

Hux, V. (March, 2017). Endometriosis in the Adolescent. Continuing Medical Education Presentation. Nationwide Children's Hospital Center for Colorectal and Pelvic Reconstruction Meeting. Columbus, OH.

Hux, V. (March, 2017). Morbidity and Mortality Presentation for the Antepartum Service. Presentation. The Ohio State University Morbidity and Mortality Conference. Columbus, OH.

Hux, V. (November, 2016). Morbidity and Mortality Presentation for the Gynecology Service. Presentation. The Ohio State University Morbidity and Mortality Conference. Columbus, OH.

Hux, V. (September, 2016). Morbidity and Mortality Presentation for the Gynecologic Oncology Service. Presentation. The Ohio State University Morbidity and Mortality Conference. Columbus, OH.

