

**BIRCSWH MENTORS**

Name/Degree(s)	Rank / Title	Appointment(s)	Research Interest	Methodological Expertise
<b>Bennett, Gary, PhD</b>	Bishop-MacDermott Family Professor	Psychology and Neuroscience; Director Duke Global Health Institute (DGHI), Duke	Focuses on new digital health technologies for a range of medically vulnerable populations.	Basic Science / Preclinical Studies  Health Services Research / Behavioral Science  Clinical Trials / Humans Subjects Research
<b>Berchuck, Andrew, MD</b>	Professor & Chief	Obstetrics and Gynecology-Gynecologic Oncology; Duke	Studies the molecular pathogenesis of ovarian and endometrial cancers; active in translational research and clinical trials evaluating treatments; currently validating results of genetic association studies in ovarian cancer.	Clinical Trials / Humans Subjects Research  Basic Science / Preclinical Studies
<b>Boulware, Ebony, MD, MPH</b>	Professor & Chief	Medicine-General Internal Medicine; Duke; Vice Dean for Translational Science; Associate Vice Chancellor for Translational Research, Duke	Performs clinical trials implementing interventions, studies mechanisms for equity of care for socially disadvantaged individuals and/or racial minorities for chronic kidney disease and hypertension.	Clinical Trials / Humans Subjects Research  Health Services Research / Behavioral Science
<b>Capel, Blanche, PhD</b>	Professor	Cell Biology; Cell and Molecular Biology Program (CMB), Duke	Biology of sex determination, studies germ cell regulation from the gonad niche, as well as adult ovary after chemotherapy by grafted healthy ovary fragment, investigating mechanisms based on principles of developmental biology	Basic Science / Preclinical Studies

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<b>Corneli, Amy, PhD</b>	Associate Professor	Population Health Sciences	Using qualitative and mixed methods she investigates public health conditions. Studying how to increase the pre exposure prophylaxis (PrEP) for HIV prevention in two key populations, black same gender loving men and black cisgender women.	Health Services Research / Behavioral Science
<b>Diehl, Anna Mae, MD</b>	Professor	Medicine- Gastroenterology; Molecular Genetics and Microbiology; Director of the Duke Liver Center, Duke	Builds successful programs that investigate basic regulatory mechanisms for liver regeneration/fibrosis, biobanking and genomic/transcriptomic/metabolomics profiling of large clinical sample repositories, and clinical trials design/implementation.	Basic Science / Preclinical Studies
<b>Dzirasa, Kafui, MD, PhD</b>	Associate Professor	Psychiatry and Behavioral Sciences, Duke	Psychiatric neuroengineering; how neuropsychiatric risk genes interact with environmental stress to modify neural circuits that underlie normal emotional and cognitive function	Health Services Research / Behavioral Science  Basic Science / Preclinical Studies
<b>Groh, Jennifer, PhD</b>	Professor	Psychology & Neuroscience; Neurobiology; Computer Science; Member of Center for Cognitive Neuroscience	Uses brain imaging to study how sensory and motor systems work together, and how neural representations play a combined role in sensorimotor and cognitive processing.	Health Services Research / Behavioral Science  Basic Science / Preclinical Studies
<b>Hwang, Shelley, MD, MPH</b>	Distinguished Professor	Surgery-Advanced Oncologic and Gastrointestinal Surgery- Breast Surgical Oncology; Radiology; Vice Chair of Research, Dept. of Surgery	Performs clinical trials evaluating novel treatments of breast cancer; surgical disparities research in those who have undergone breast reconstruction.	Clinical Trials / Humans Subjects Research  Health Services Research / Behavioral Science

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<b>Katz, David, PhD</b>	Professor	Biomedical Engineering; Pratt School of Engineering, Duke	Applies biomedical engineering and biophysics to study prevention of sexually transmitted infections in women as well as translates this knowledge, technology and computational methodology toward addressing other conditions in women's health and health care.	Basic Science / Preclinical Studies
<b>Kimbrow, Sean, PhD</b>	Professor	Biological and Biomedical Sciences, NCCU	Investigates genetic markers for cancer and cardiometabolic disease disparities. Dr. Kimbrow is the NCCU PI of this BIRCIWH program. He is a champion advocate for all scholars within NCCU.	Basic Science / Preclinical Studies Health Services Research / Behavioral Science
<b>Kuhn, Cynthia, PhD</b>	Professor	Pharmacology and Cancer Biology; Psychiatry and Behavioral Sciences; Member of the Duke Institute for Brain Sciences; Affiliate of the Center for Child and Family Policy	Investigates sex/gender differences in ethanol insensitivity and development of alcohol abuse; and collaborates with clinicians on projects in women's health, including stress in cardiovascular disease risk.	Basic Science / Preclinical Studies Clinical Trials / Humans Subjects Research
<b>Lefkowitz, Robert, MD</b>	Professor	Nobel Laureate; Medicine-Cardiology; Biochemistry; Chemistry; Pathology; Investigator Howard Hughes Medical Institute, Duke	Studies complexities of $\beta$ 2- adrenergic receptor, a G-protein-coupled receptor (GPCR) and $\beta$ -arrestin as a cofactor necessary for GPCR desensitization.	Basic Science / Preclinical Studies
<b>McDonnell, Donald, PhD</b>	Professor & Chair	Pharmacology and Cancer Biology; Medicine, Duke	Uses animal models of endocrine therapy resistance for evaluation of pharmaceutical approaches to treat advanced breast and prostate cancers.	Basic Science / Preclinical Studies

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<b>Murphy, Susan, PhD</b>	Associate Professor	Obstetrics and Gynecology- Gynecologic Oncology; Pathology, Duke	Investigates epigenetic modifications of genomic DNA regulate development, particularly how the preconceptional and in utero environment is affected to risk of later disease; also leads study to understand racial differences in ovarian cancer incidence and survival	Basic Science / Preclinical Studies
<b>Myers, Evan, MD, MPH</b>	Professor	Obstetrics and Gynecology- Clinical and Epidemiological Research, Duke	Expertise in application of methods for evidence synthesis, including systematic review, meta-analysis, and simulation modeling, developing data driven tools for increasing the diversity among research participants.	Health Services Research / Behavioral Science  Clinical Trials / Humans Subjects Research
<b>Ostbye, Truls, MD, MPH, MBA, PhD, FFPH(UK)</b>	Professor	Community and Family Medicine; Research Professor, Duke Global Health Institute (DGHI), Duke	Investigates relationship of chronic diseases and high risk populations; special interests in American Indian population for maternal and child health outcomes.	Clinical Trials / Humans Subjects Research  Health Services Research / Behavioral Science
<b>Prvu-Bettger, Janet, DSc</b>	Associate Professor	Orthopaedic Surgery and School of Nursing, Duke; Director of Duke Roybal Center for Translational Research in the Behavioral and Social Sciences of Aging	Her research extends from observational studies to randomized and pragmatic trials aimed to improve health care quality and policies that reduce the burden of disease and disability.	Health Services Research / Behavioral Science
<b>Ramanujam, Nimmi, PhD</b>	Professor	Biomedical Engineering; Pharmacology & Cancer Biology; Research Professor of Global Health; Director, Global Women's Health	Biophotonics, Tissue Optical Spectroscopy; Cancer screening, intra-operative margin assessment, visualizing tumor hypoxia and metabolism in the context of cancer therapy and drug discovery; multi-disciplinary effort to translate these technologies to clinical applications in the breast, and cervix	Basic Science / Preclinical Studies  Health Services Research / Behavioral Science

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		Technologies Center, Duke		
<b>Rockman, Howard, MD</b>	Professor	Medicine-Cardiology; Cell Biology; Molecular Genetics, Duke	Studies molecular mechanisms of cardiac hypertrophy and heart failure using transgenic and gene-targeted mouse models and physiologic measures oxytocin in mechanisms of normal and abnormal uterine function.	Basic Science / Preclinical Studies  Clinical Trials / Humans Subjects Research
<b>Secord, Angeles, MD, MHS</b>	Professor	Obstetrics and Gynecology, Duke	Investigates angiogenesis and molecular signatures in gynecologic cancers. Leads clinical trials evaluating novel oncology treatments	Clinical Trials / Humans Subjects Research  Basic Science / Preclinical Studies
<b>Svetkey, Laura, MD, MHS</b>	Professor	Medicine-Nephrology; Vice Chair for Faculty Development and Diversity, Dept. of Medicine; Director of Clinical Research, Sarah W. Stedman Nutrition and Metabolism Center, Duke	leads behavioral intervention trials, dietary, pharmacologic and device intervention trials, and biomarker association studies with specific interest in health disparities and minority health.	Clinical Trials / Humans Subjects Research  Health Services Research / Behavioral Science
<b>Taylor, Darlene</b>	Professor	BIRCIWH Alumna; Chemistry and Biochemistry, NCCU	Investigates the efficacy of various materials for drug delivery vehicles such as for uterine fibroid therapy as well as mechanistic molecular studies to study metastases and reduce systemic treatment toxicity in breast cancer patients.	Basic Science / Preclinical Studies

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<b>Valdivia, Raphael, PhD</b>	Professor	Molecular Genetics & Microbiology; Duke; Vice Dean for Basic Science, Duke	Uses a combination of cell biology, biochemistry, genetics, genomics, proteomics and molecular biology techniques to determine function of chlamydial virulence factors	Basic Science / Preclinical Studies
<b>Visco, Anthony, MD</b>	Professor & Chief	Obstetrics and Gynecology-Urogynecology and Reconstructive Pelvic Surgery, Duke	Performs clinical trials including surgical RCTs evaluating pelvic floor disorders; interested in the evaluation of complex outcomes such as cost-effectiveness using decision analytic models.	Clinical Trials / Humans Subjects Research  Health Services Research / Behavioral Science
<b>Weinhold, Kent J, PhD</b>	Professor & Chief	Surgery-Surgical Sciences; Immunology; Pathology; Director, Duke Center for AIDS Research (CFAR), Duke	Uses a combination of cell biology, biochemistry, genetics, genomics, proteomics and molecular biology techniques to determine function of chlamydial virulence factors	Basic Science / Preclinical Studies
<b>Williams, Kevin, PhD</b>	Professor	Former BIRCWH NCCU PI; Pharmaceutical Sciences, NCCU	Studies high throughput screening and drug development, including prior experience developing and moving anti-cancer drugs into the clinic.	Basic Science / Preclinical Studies
<b>Wood, Kris, PhD</b>	Assoc Professor	Pharmacology and Cancer Biology, Duke	Uses pharmacology. Genomic, cell signaling to study how oncogenic signals later metabolic states	Basic Science / Preclinical Studies