NC TRACS PILOT PROGRAM GRANT Awardees

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— NC TraCS/NC State University Collaborative
— Emerging Challenges in Biomedical Research (ECBR)
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2K AWARD WINNERS

Abelli Geis, Gina, School of Medicine
December 2009
Assessment of End-of-Life Care for Infants Who Die in the Neonatal Intensive Care Unit

Adams, Leslie, Gillings School of Global Public Health
October 2017
A mixed methods examination of depressive symptomatology and usual sources of care among Black men

Agnew-Brune, Christine, Institute for Global Health & Infectious Diseases
April 2015
Technology Assisted Communication and Dating Abuse Among Adolescents

Agnihothram, Sudhakar, Gillings School of Global Public Health
July 2012
Evaluating the Antigenic Potential of a Novel Dengue Vaccine

Alekseev, Oleg, School of Medicine
October 2011
Expression of tNASP as a Novel Diagnostic Marker for Prostate Cancer

Alexander, Thomas, School of Medicine
September 2017
Germline CDKN2A/B Deletion in a Family with Predisposition to Leukemia

Aliaga, Sofia, School of Medicine
July 2009
Understanding Small Area Variation in Late Preterm Births in North Carolina
October 2014
Feasibility of NC Medicaid data to study outcomes of late preterm birth
$2K Awards cont.

**Andersen, Elizabeth**, School of Medicine  
October 2017  
Ovarian Hormone Variability and Mood Symptoms in Girls During the Pubertal Transition: A Feasibility Study

**Anderson, Seri**, Gillings School of Global Public Health  
October 2017  
“Putting Up a Poster About Birth Control Means My Doctor Cares About Me as a Woman”: Evaluating the Impact of Two Contraceptive Fact Sheets on Factors Influencing Women's Contraceptive Choices

**Armstrong, Andrew**, Gillings School of Global Public Health  
June 2010  
Characterization of Copper as a Disinfectant for Use in Hydrotherapy Facilities

**Arocena, Cindy Leslie**, Eshelman School of Pharmacy  
July 2010  
Understanding the Niche of Care: A Prospective Analysis of the Management of Inpatient Diabetes Mellitus Admitted at UNC Hospital

**Arthur, Janelle**, School of Medicine  
August 2014  
Developing a High Throughput In vivo assay to identify functionally important intestinal bacterial strains

**Azcarate-Peril, Maria**, School of Medicine  
December 2013  
Impact of a Short Chain Galacto-oligosaccharides on the Bifidobacterium Components of the Human Microbiome of Lactose-Intolerant Individuals

**Babinski, Leslie**, School of Education  
January 2009  
Development of a Biofeedback Intervention for Adolescents with Test Anxiety

**Bainbridge, John**, School of Public Health  
May 2012  
Modeling the Diffusion of Sentinel Lymph Node Biopsy in Breast Cancer Treatment

**Baker, Arthur**, School of Medicine  
June 2009  
Association of Paraoxonase 1 Activity and Preterm Birth

**Baker, Jessica**, School of Medicine  
Young, Laura, School of Medicine  
November 2011  
Appetite Hormones and Disordered Eating in Midlife Women

**Baker, Justin**, School of Medicine  
Yeh, Jen Jen, School of Medicine  
November 2011  
Isolating Circulating Tumor Cells in Metastatic Melanoma with Microfluidics

**Baranek, Grace**, School of Medicine  
June 2010  
Eye Tracking Study of Visual Attention and Sensory Hyporesponsiveness in Children with Autism

**Barrett, Katherine**, College of Arts & Sciences  
July 2015  
Leptin, Ghrelin, and Adiponectin in Infants

**Basu, Saikat**, School of Medicine  
November 2017  
Identification of optimal particulate size range for inhaled steroid transmission to laryngeal vocal fold granulomas through computational fluid dynamics

**Battarbee, Ashley**, School of Medicine  
December 2016  
Randomized controlled trial of treatment of steroid-induced maternal hyperglycemia to decrease neonatal hypoglycemia in the late preterm period

**Beamon, Carmen**, School of Medicine  
November 2012  
Neonatal Outcomes Associated with Regional Anesthesia in Preeclamptic Patients

**Beaubrun, Anne**, Eshelman School of Pharmacy  
February 2010  
Assessing Racial Disparities in Hospitalization Rates in North Carolina Kidney Disease Patients

**Beeber, Anna**, School of Nursing  
July 2009  
Dementia Care in the Program of All-Inclusive Care for the Elderly

**Belger, Aysenil**, School of Medicine  
Johns, Josephine, School of Medicine  
July 2014  
Functional MRI Pilot feasibility of Cocaine effects on Maternal and Reward Neural Circuits
$2K Awards cont.

Belger, Aysenil, School of Medicine
Campbell, Alana, School of Medicine
March 2014
Paradigm Development for the Study of Neural Oscillatory Activity Abnormalities in Children with Autism

Berglund, Lisa, School of Medicine
Henderson, Richard, School of Medicine
March 2009
Fractures and DXA Measures in Children with Disabilities

Bezencon, Jacqueline, Eshelman School of Pharmacy
October 2018
Effect of Sampling Location on Placental Drug Transporter Expression

Bhatt, Aadra, School of Medicine
December 2012
Novel NADPH Oxidase Inhibitors as Therapeutics for Primary Effusion Lymphoma

Bischof, Jason, School of Medicine
October 2017
Acute care of oncologic emergencies: a hospital based clinic and emergency department hybrid model

Bledsoe, Sarah, School of Social Work
Andringa, Kimberly, School of Nursing
March 2010
Perceptions of Breastfeeding Success in Depressed and Non-Depressed Mothers

Bluth, Karen, School of Medicine
January 2015
Assessing Mindfulness, Self-compassion, and Dimensions of Emotional Well-Being Across Adolescence

Boettiger, Charlotte, College of Arts & Sciences
August 2009
Frontal Dopamine and Immediate Reward Selection Bias

Boggess, Kim, School of Medicine
April 2012
Umbilical Cord Inflammatory Markers in Pregnancies Complicated by Diabetes

Bower, Jacquelyn, School of Medicine
September 2014
Subtype-Specific Cell Cycle Checkpoint Defects as Predictors of Breast Cancer Chemosensitivity

Brandon, Anna, School of Medicine
Lyerly, Anne Drapkin, School of Medicine
September 2011
Facilitating Antepartum Research by Enhancing Processes of Informed Consent

Brantley, Scott, Eshelman School of Pharmacy
June 2010
Streamlining the Identification of Milk Thistle Constituents Responsible for the Time-Dependent Inhibition of a Major Drug Metabolizing Enzyme

Brintz, Carrie, School of Medicine
September 2017
Feasibility of a 4-week, Adapted Mindfulness Program for Adults with Chronic Pain

Brown, Callie, School of Medicine
April 2015
Depicting Healthy Weight in a Clinic Poster

Brownley, Kim, School of Medicine
December 2012
Pilot Study of Racial Differences in Cholecystokinin

Bryant, Amy, School of Medicine
September 2016
Breastfeeding and Hormonal Contraception in the Postpartum Period: Supporting Patient-centered Counseling

Byrne, James, Eshelman School of Pharmacy
Yeh, Jen-Jen, School of Medicine
December 2013
Novel Device Therapy for the Treatment of Pancreatic Cancer

Calabrese, Joseph, School of Medicine
Pattenden, Samantha, Eshelman School of Pharmacy
December 2016
Developing small molecule probes to inhibit the regulatory capacity of long noncoding RNAs

Calancie, Larissa, Gillings School of Global Public Health
June 2015
Food Council Self-Assessment: Instrument validation and testing a conceptual model explaining food council function
$2K Awards cont.

**Campo, Rebecca**, School of Medicine
April 2015
Pilot study to assess the feasibility and acceptability of an 8-week mindful self-compassion video-chat group-based intervention for young cancer survivors

**Canipe, Grant**, College of Arts & Sciences
December 2015
Indicators of MCI progression in the aging population: Combining electrophysiological and behavioral measures

**Carlson, Laura**, School of Medicine
**Vora, Neeta**, School of Medicine
February 2016
Use of a novel decision aid for prenatal aneuploidy screening: a pilot study

**Carpenter, Delesha**, Eshelman School of Pharmacy
**Alexander, Dayna**, Eshelman School of Pharmacy
October 2015
Assessing barriers to adoption of tele-COPD programs for rural residents of Western North Carolina

**Carpenter, Kimberly**, School of Medicine
January 2010
Developing and Testing a Measure of Conflicting Medication Information

**Carter-Edwards, Lori**, Gillings School of Global Public Health
February 2018
Understanding Fiscal Readiness to Conduct Community Engaged Research: Multi-Sector Stakeholder Perspectives

**Casanova, Lisa**, Gillings School of Global Public Health
March 2009
Development of a Model System for Measuring Transfer of Viruses via Healthcare Workers’ Hands

**Cene, Crystal**, School of Medicine
November 2017
Developing Patient-Centered Engagement Tools for Patients with Multiple Chronic Conditions Through Stakeholder Engagement

**Chang, Emily**, School of Medicine
**Johnson, Kennita**, School of Medicine
January 2015
Quantification and characterization of renal perfusion in streptozotocin model of diabetic nephropathy with 4D CEUS

**Chanon, Vicki**, College of Arts & Sciences
March 2010
Genotyping of Neural Correlates of Attentional Bias Toward Cigarette Cues in Active Smokers

**Chaudhury, Padmashree**, School of Medicine
September 2009
Association of VEGF and Preeclampsia

**Chaudhury, Padmashree**, School of Medicine
March 2010
Seprafilm use During Cesarean Section: A Decision Analysis

**Chiarella, Anna**, School of Medicine
January 2018
Activation of miRNAs to Decrease Androgen Receptor Expression in Prostate Cancer Using Novel Bifunctional Molecule Technique

**Chungfat, Neil**, School of Medicine
August 2016
Metabolomic Analysis of Anterior Chamber Samples in Anterior Uveitis

**Cleveland, Rebecca**, School of Medicine
June 2015
Feasibility of use of the mobile application for the Walk With Ease Program in North Carolina adults with osteoarthritis

**Clutton, Genevieve**, School of Medicine
May 2016
Development of an assay to investigate the lipid storage capacity of CD8 T cells from HIV-infected individuals

**Cobran, Ewan**, Gillings School of Global Public Health
**Overman, Robert**, Eshelman School of Pharmacy
February 2013
Evaluating Racial Differences in Survival and Use of Androgen Deprivation Therapy for Metastatic Prostate Cancer Using The Surveillance, Epidemiology, and End Results Cancer Registry and Medicare Claims Database

**Collins, Matthew**, School of Medicine
November 2016
Viral immunopathogenesis in pregnancy
$2K Awards cont.

**Conserve, Donaldson**, Gillings School of Global Public Health
February 2017
Formative Research to test Acceptability of an HIV self-testing Virtual Reality Intervention among Young Black Heterosexual Men in North Carolina

**Cooksey, Christie**, School of Medicine
March 2011
Ectopic Pregnancy, Methotrexate, and the Obese Patient: Extending the Evidence to a Challenging Population

**Michael Cools**, UNC Hospitals
**Jason Mihalik**, College of Arts and Sciences
Comparing Growth Hormone Levels and Cognitive Performance in Special Operations Forces Operators

**Coyne-Beasley, Tamera**, School of Medicine
March 2009
Human Papilloma Virus Vaccine: How to Potentiate Vaccination and Acceptance among Parents of Boys and Young Men

**Crona, Daniel**, Eshelman School of Pharmacy
November 2016
Validation of genetic markers for cytotoxic response to sorafenib in mouse embryonic fibroblast cells

**Cross, Dori**, Gillings School of Global Public Health
December 2009
Customized Web-Based Feedback for Dietary Guideline Adherence: A Feasibility Study among SNAP Beneficiaries in Orange County, NC

**Crowley, Shannon**, School of Medicine
December 2013
Biopsychosocial: Vulnerability to Postpartum Depression: Investigating the Moderating Role of Depression History on Stress Reactivity, Sleep, and Affective Symptomology During Pregnancy

**Cuddeback, Gary**, School of Social Work
July 2010
Evidence-based Practices and Mental Health Courts for Persons with Mental Illness

**Curtin-Berkoff, Molly**, School of Medicine
March 2009
Child Protective Services and Caregiver Mental Health

**D'Arcy, Monica**, Gillings School of Global Public Health
June 2014
Identifying incident colon or rectal cancer cases using claims data

**D'Arcy, Monica**, Gillings School of Global Public Health
**Mack, Christina**, Gillings School of Global Public Health
August 2012
Evaluate the Association Between SSRIs and Incident Colorectal Cancer Using Medicare Claims Database

**Dahl, Denali**, School of Medicine
March 2018
Innovative applicator device to provide local and efficient drug delivery for treatment of postpartum hemorrhage (PPH) in low-resource settings

**Davis, Scott**, Eshelman School of Pharmacy
November 2015
Identifying self-management needs of adolescent diabetes patients to develop YouTube videos

**Dellon, Elisabeth**, School of Medicine
**Ray, Emily Miller**, School of Medicine
September 2010
Understanding Risk Factors for Cystic Fibrosis-Associated Liver Disease

**DeSimone, Michelle**, School of Medicine
June 2010
Understanding the Role of VHL Mutation Status in Renal Cell Tumor Apoptosis: Basic Mechanisms and Therapeutic Effects

**Deverka, Patricia**, Eshelman School of Pharmacy
January 2010
Developing an “iPhone Application“ for Warfarin Pharmacogenomics-Guided Dosing at the Bedside

**Dieter, Alexis**, School of Medicine
**Mueller, Margaret**, Northwestern University
October 2018
Microbiologic Determinants of Bladder Health in Women

**Dilworth-Anderson, Peggy**, Gillings School of Global Public Health
**Linnan, Laura**, Gillings School of Global Public Health
February 2013
The Black Family Reunion: Colorectal Cancer Risk and Prevention
$2K Awards cont.

Doll, Kemi, School of Medicine; Gillings School of Global Public Health

Pergolotti, Mackenzi, Gillings School of Global Public Health

September 2014
Functional Deficits and Quality of Life of Women After Ovarian Cancer Debulking Surgery

Doria, Alessandro, Harvard University School of Public Health

Dorsey, Kathleen, Gillings School of Global Public Health

December 2013
Identifying DNA Methylation Markers for Breast Cancer Prognosis in the Carolina Breast Cancer Study

Dougherty, Michael, School of Medicine
Azcarate-Peril, M. Andrea, School of Medicine

June 2017
The gastric microbiome in gastric adenocarcinoma and gastric premalignant lesions: a pilot study for a 16S rRNA gene sequence survey

Draeger, Reid, School of Medicine

April 2015
A Novel Approach to Decreasing Infection Risk in Amputees Fitted with an Osseointegrated Direct Skeletal Attachment Prosthesis

DuBay, Michaela, School of Medicine

June 2018
Bringing Early Autism Identification to the Latino Community: Translation and Cultural Adaptation of the First Years Inventory

Dulin, Michael, School of Medicine

January 2009
Development of Geospatial Models to Evaluate Interventions Designed to Enhance Primary Care Access for Vulnerable Populations

Duncan, Alex, School of Medicine

July 2015
Role of Microbial Community Diversity in Symptomatic Gonococcal Infection

Dunivan, Gena, School of Medicine

March 2009
Injection of 0.125% Bupivacaine During Mid-Urethral Sling Placement for Pain Relief: A Randomized Control Trial

Dunivan, Gena, School of Medicine

March 2009
Obesity and Female Pelvic Floor Dysfunction

Eckel, Stephen, Eshelman School of Pharmacy

August 2014
Evaluation of a new measurement device in improving the accuracy and precision of chemotherapy doses

Eisenlohr-Moul, Tory, School of Medicine
Johnson, Jacqueline, School of Medicine

October 2014
Hormonal Influences on Social-Affiliative Symptoms in Premenstrual Dysphoric Disorder (PMDD): A Feasibility Study

Elliott-Bynum, Sharon, CAARE, Inc.
Corbie-Smith, Giselle, School of Medicine

October 2012
Sustained Recovery with AfterCAARE: Piloting the CPR Intervention with Graduates of a Community-Based 16-week SACOT Program

Elsherif, Laila, School of Medicine

December 2012
Targeting Neutrophil Extracellular Traps in Sickle Cell Disease

Estrada Del Campo, Yanire, Gillings School of Global Public Health

August 2016
Examining the sociocultural and psychosocial health factors that influence dietary behaviors of Puerto Ricans with diabetes

Evans, Krista, School of Medicine
Charles, Anthony, School of Medicine

May 2012
Predictors of Repeat Motor Vehicle Collision Resulting in Hospital Evaluation in Drivers 65 Years and Older

Fabiatto, Kristin, School of Medicine

January 2009
A Prospective, Randomized Trial Looking at the Effect of Sitosterol on Beta-Cell Function in Patients with Impaired Fasting Glucose, Impaired Glucose Tolerance, or Newly Diagnosed Type 2 Diabetes

Fanarjian, Nicole, School of Medicine

September 2009
Effect of Provision of Free Levonorgestrel (LNG) Intrauterine Device (IUD) on Pregnancy Rates Among Uninsured Women in Central and Eastern North Carolina
$2K Awards cont.

Farel, Claire, School of Medicine
Wohl, David, School of Medicine
January 2014
HIV Infection and African American Women Incarcerated in a Southern State Prison System

Fecho, Karamarie, School of Medicine
Kirschbaum, Kris, East Carolina University
March 2009
Invitational Rhetoric as a Tool to Improve Communication Between Anesthesiologists and Surgeons

Fedoriw, Yuri, School of Medicine
Sarantopoulos, Stefanie, School of Medicine
September 2010
Localization of CD27+ B-cells in Human Lymphoid Tissue

Flate, Elizabeth, School of Medicine
November, 2014
Genetic Profiling of Fibroblasts Derived from Pancreatic Ductal Adenocarcinoma Patients in the Discovery of Stroma Subtypes

Flower, Kori, School of Medicine
June 2015
Understanding Spanish-Speaking Families’ Outpatient Care Experience in an Academic Medical Center

Frankowski, Kevin, Eshelman School of Pharmacy
March 2017
Allosteric D3 receptor antagonists as potential therapeutic leads for addiction and schizophrenia

Franz, Jason, School of Medicine
December 2015
Visuomotor entrainment and the control of balance in elderly gait

Frerichs, Leah, School of Medicine
January 2015
A proof of concept study of a youth-engaged systems science approach to address obesity in a rural African American community

Fritz, Heather, School of Medicine
September 2012
Integrating Diabetes Self-Management Tasks into Daily Life

Frohlich, Flavio, School of Medicine
October 2017
Physiological Effects of Active Music-Making and Passive Listening: A Randomized Crossover Study of Music Therapy Interventions

Gaddameedhi, Shobhan, School of Medicine
May 2012
Circadian Oscillation of XPA Expression in Human Hair Follicles

Gallippi, Caterina, School of Medicine
April 2012
The Feasibility of ARFI Bleeding Rate and Time to Hemostasis Measures in Hemostatically Normal Dogs with Antithrombotic Therapy

Garbutt, James, School of Medicine
March 2009
Gymnema Sylvestre in Binge Eating Disorder: A Pilot Study

Gehrig, Paola, School of Medicine
Hacker, Kari, School of Medicine
March 2014
Factors Associated with Recurrence Risk in Women with Ovarian Granulosa Cell Tumors

Geiger, Paul, School of Medicine
December 2018
Examining Relationships among Sleep, Cognition, and Hormone Variability in the Menopause Transition: A Feasibility Study

Geller, Elizabeth, School of Medicine
January 2010
Comparative Effectiveness of Robotic-Assisted versus Abdominal Sacrocolpopexy

Geryk, Lorie, Eshelman School of Pharmacy
June 2015
Childhood asthma inhaler use self-efficacy: development of a measure and initial pilot test

Gessner, Ryan, School of Medicine
Dayton, Paul, School of Pharmacy, School of Medicine
May 2012
Large Field Rodent Ultrasound Imaging: A Novel Preclinical Research Tool
$2K Awards cont.

**Girdler, Susan**, College of Arts & Sciences / School of Medicine
October 2015
Estradiol fluctuation, the cortisol awakening response and mood in the menopause transition

**Giscombe, Cheryl**, School of Nursing
January 2009
An Investigation of the Acceptability and Cultural Relevance of Meditation as a Health Intervention for African Americans

**Giuliani, Carol**, School of Medicine
**Rossi, Joseph**, School of Medicine
June 2010
Expanding Cardiac Rehabilitation Programs to Address Balance and Falls in Older Adult Clients

**Glickman, Lawrence**, School of Medicine
December 2009
Vitamin D Deficiency is Associated with Increased Severity of Respiratory Infection in Hospitalized Emergency Department Patients

**Godinez, Isaura**, College of Arts and Sciences
August 2016
Metabolic Syndrome among Purepecha North Carolinians

**Goldstein, Adam**, School of Medicine
February 2010
Evaluation of the Fit Family, 5-2-1-Almost None Campaign to Prevent and Reduce Child Obesity

**Golightly, Yvonne**, Gillings School of Global Public Health
April 2015
Falls Prevention Program for Adults with Osteoarthritis

**Gordon, Jennifer**, School of Medicine
December 2013
Salivary Estradiol and Mood in the Perimenopause: A Pilot Study

**Gracz, Adam**, School of Medicine
January 2015
Quantifying DNA methylation dynamics in human intestinal stem cells

**Fuller, Megan**, School of Medicine
May 2011
Identifying Cell-Surface Markers for the Isolation of Intestinal Stem Cells from Human Tissue

**Gracz, Adam**, School of Medicine
April 2012
Establishing a Cell Line-Based Model for Studying Human Intestinal Stem Cells

**Gracz, Adam**, School of Medicine
March 2018
Improving in vivo and in vitro models of intrahepatic cholangiocarcinoma

**Graves, Lee**, School of Medicine
January 2018
Development of a Novel Diagnostic Test for the Early Detection of Cancer

**Greene, Rachel**, College of Arts and Sciences
January 2015
An Evaluation of Eyetracking as a Treatment Outcome Measure for Autism

**Grewen, Karen**, School of Medicine
September 2011
Lactation Effects on Postnatal Vascular Inflammation and Endothelial Function

**Gross, Michael**, School of Medicine
**Mercer, Vicki**, School of Medicine
July 2010
Effects of Foot Orthoses on Balance and Physical Function in Older Adults

**Grubbs, Joseph**, Gillings School of Global Public Health
**Huynh, Kyle**, Gillings School of Global Public Health
February 2013
Validity and Reliability Testing of the UNC Dry Eye Management Scale

**Guimbellot, Jennifer**, School of Medicine
April 2014
Variation in Response to Correctors in F508del Homozygotes with Cystic Fibrosis

**Habibi, Sohrab**, College of Arts & Sciences
January 2010
Online-Real Time Microdialysis Pharmacokinetic Method by ICPMS
Haeri, Sina, School of Medicine
January 2009
Retrospective Data/Specimen Analysis for Hypothesis Generation, Protocol Development or Assessment of Feasibility

Hailey, Claire, School of Medicine
April 2016
Parenting and Reproductive Concerns of Adults with Cystic Fibrosis

Hall, William, Sheps Center for Health Services Research

Chapman, Mimi, School of Social Work
December 2016
A Feasibility Study of an Adapted Cognitive Behavior Therapy Intervention to Treat Depression among Lesbian, Gay, and Bisexual Youth

Hand, Carla, Gillings School of Global Public Health
March 2009
Use of Novel Neuroprotective Peptides to Treat Cerebral Malaria

Harkey, Matthew, School of Medicine

Pietrosimone, Brian, College of Arts and Sciences
February 2017
Associations Between the Biological and Structural Components of Cartilage Health following Acute Loading in Healthy Participants

Harrop, Claire, School of Medicine
July 2015
Attention in Girls with Autism Spectrum Disorder (ASD): An Eye-Tracking Approach to Gender-Specific Circumscribed Interests

Hart, Laura, School of Medicine

Mouw, Sheri, School of Medicine
February 2017
Qualitative study of transitional care clinics for children and young adults with chronic health problems

Hawke, Roy, Eshelman School of Pharmacy
Fried, Michael, School of Medicine
July 2010
In Vitro Translation of Ribavirin-Induced Anemia in HCV Patients

Haynes-Maslow, Lindsey, School of Medicine
Lucia, Leone, School of Public Health
July 2011
Improving Access to Fruit and Vegetables Among Low-Income Individuals in North Carolina

Hazucha, Milan, School of Medicine
Carson, Johnny, School of Medicine
April 2012
Release of Nitric Oxide by Airway Cell Cultures

Hernandez, Michelle, School of Medicine
Kwan, Mildred, School of Medicine
March 2009
NLR Expression in Asthma

Hill, Chloe, School of Medicine
January 2009
Development of a More Sensitive Method to Measure Visceral Pain Sensitivity

Hingtgen, Shawn, Eshelman School of Pharmacy
December 2012
Developing Translatable Personalized Cell Therapies for Glioblastoma

Hodges, Eric, School of Nursing
December 2012
Enhancing Caregiver-Infant Communication to Prevent Obesity
April 2010
Growing Together: Parenting in the Early Years
October 2014
Self-regulation of Energy Intake during Infancy

Hoffman, Elizabeth, Gillings School of Global Public Health
September 2010
Feeding Styles and Responsiveness in Mothers with Eating Disorders

Hoffman, Jennifer, Gillings School of Global Public Health
June 2011
Organophosphate Flame Retardant Measurement and Variability in Pregnant Women

Hogan, Vijaya, Gillings School of Global Public Health
March 2009
Eliminating Disparities in Delivery of Women’s Preventive Health Care
$2K Awards cont.

**Hood, Sula**, Gillings School of Global Public Health
October 2012
Testing the Feasibility of a Motivational Interviewing Intervention to Promote Healthy Behavior Changes Among Un/Underemployed Adults in Cumberland County: A Pilot Study

**Horvath, Katherine**, School of Medicine
December 2009
Cigarette Smoke Exposure Alters Influenza Induced Immune Responses in Humans

**Houghton, Damon**, School of Medicine
**Moll, Stephan**, School of Medicine
November 2015
Treatment strategies and clinical outcomes for venous thromboembolism with severe thrombocytopenia

**Houghton, Odette**, School of Medicine
February 2010
Qualitative and Quantitative Evaluation of Intraretinal Cysts in Macular Edema

**Hsieh, Jui-Hua**, Eshelman School of Pharmacy
January 2010
Design of Novel Therapeutic Agents against Mer Kinase for Cancer Treatment

**Huang, Hsien-Sung**, School of Medicine
June 2009
Novel Method to Isolate Neuronal and Glial mRNA and its Application to Human Genomic Imprinting Disorders

**Hudson-Barr, Diane**, School of Nursing
January 2009
Reducing Noise in the NICU to Promote Improved Neurodevelopmental Outcomes

**Hunter, Dylan**, School of Medicine
**Weinhold, Paul**, School of Medicine
April 2015
DFO Infused Sutures for Stimulating Angiogenesis

**Jaacks, Lindsay**, Gillings School of Global Public Health
**Mayer-Davis, Elizabeth**, Gillings School of Global Public Health; School of Medicine
October 2012
Dietary Intake and Disease Self-Management Assessment Among Patients with Type 1 Diabetes in Beijing, China

**Jarstfer, Michael**, Eshelman School of Pharmacy
**Zamboni, William**, Eshelman School of Pharmacy; School of Medicine
November 2018
In vitro selection of non-binding ssDNA oligos with high serum nuclease resistance

**Jarstfer, Michael**, Eshelman School of Pharmacy
**Jin, Jian**, Eshelman School of Pharmacy
March 2014
Chemical Probes for Regulators of RNA Biogenesis

**Jenerette, Coretta**, School of Nursing
June 2010
Use of Mind-Body Therapy in Individuals with Sickle Cell Disease

**Jenerette, Coretta**, School of Nursing
October 2011
Developing the Nurse Subscale of the Sickle Cell Health-Related Stigma Scale

**Jenkins, Melissa**, College of Arts and Sciences
**Youngstrom, Eric**, College of Arts and Sciences
June 2012
Cognitive De-Biasing and the Assessment of Pediatric Bipolar Disorder

**Jerger, Kristin**, School of Medicine
July 2016
Feasibility of Protocol for Assessing Brain Activation with Functional Near Infra-red Spectroscopy (fNIRS) during Massage in Autistic Children

**Jhaveri, Ravi**, School of Medicine
January 2015
Defining Influenza C Virus Epidemiology at UNC

**Johnson, Lynn**, School of Medicine
Improving the Prenatal Consultation for Families at Risk for Preterm Delivery

**Johnson, Nell**, UNC Hospitals
April 2010
Epstein Barr Virus (EBV) Reactivation as a Biomarker of Stress in Pregnancy
$2K Awards cont.

Karmali, Ruchir, Gillings School of Global Public Health
Hassmiller Lich, Kristen, Gillings School of Global Public Health
Skinner, Ashley, Duke University
October 2017
Understanding how primary care providers from diverse practice settings approach chronic pain in older adults: A systems science study

Kasoji, Sunny, School of Medicine
Rivera, Judith, School of Medicine
August 2015
Early assessment of tumor response to radiation therapy using high-resolution quantitative ultrasonic micro-vascular imaging

Kelm, Katie, College of Arts & Sciences
November 2011
Decision Fatigue and Impulsive Decision Making

Khairat, Saif, School of Nursing
Sleath, Betsy, Eshelman School of Pharmacy
December 2017
Teleconsent to Overcome Barriers and Gaps in Clinical Trial Enrollment

Khoury, Amal, School of Medicine; Gillings School of Global Public Health
Charles, Anthony, School of Medicine
February 2013
Immune Modulation by Extracorporeal Membrane Oxygenation (ECMO)

Kimple, Randall, School of Medicine
June 2009
Pre-clinical Validation of Pazopanib as a Radiosensitizer in K-ras Mutated Lung Cancer

Kinlaw, Alan, Sheps Center for Health Services Research
May 2017
Fluoroquinolone utilization before and after Food and Drug Administration boxed warning in 2016

Kistler, Christine, School of Medicine
August 2014
Patient-Centered Medical Appointment Reminders

Klingaman, Kristin, Center for Developmental Science
Hodges, Eric, School of Nursing
March 2011
Challenges to Breastfeeding in Late Preterm Mother-Infant Dyads

Kneipp, Shawn, School of Nursing
June 2011
Social Problem-Solving Feasibility for Women in NC Work First

Kohltfarber, Heidi, School of Dentistry
November 2009
Salivary Proteomic Profiling for Biomarkers in Diabetes

Lang, Patrick, School of Medicine
August 2014
Inhibiting the DNA repair protein ATR as a means to treat medulloblastoma

Lara-Cinisomo, Sandraluz, School of Medicine
Grewen, Karen, School of Medicine; College of Arts and Sciences
Meltzer-Brody, Samantha, School of Medicine
November 2012
A Laboratory-Based Pilot Study of Postpartum Depressed and Non-Depressed Spanish-Speaking Latinas

Lathren, Christine, School of Medicine
Self-Compassion and Parent-Child Relationships in Pre-Adolescents

Lathrop, Hillary, School of Dentistry
Jacox, Laura, School of Dentistry
January 2019
Orthognathic Speech Pathology: Evaluating the effect of jaw discrepancies on disordered speech

Lawrence, Scott, School of Medicine
Mwanza, Jean Claude, School of Medicine
January 2013
Diurnal Relationship Between Intraocular Pressure and Blood Pressure in Normal Tension Glaucoma

Leal, Sixto, School of Medicine
November 2016
Improved molecular diagnostic approaches to detect Clostridium difficile infection

Lee, David, School of Medicine
August 2016
The Effectiveness of Daily Step-based Exercise Using Fitness Monitors for Patients with Peripheral Artery Disease: a Pilot Study
$2K Awards cont.

Lee, Jin, Eshelman School of Pharmacy
March 2009
Predicting Clinically Relevant Interactions in Human OATP-Mediated Hepatic Uptake of Drugs

Levinson, Kara, School of Medicine
January 2018
Retrospective analysis of multidrug-resistant patient isolates for the presence of colistin resistance gene mcr-1

Lewek, Michael, College of Arts & Sciences
August 2015
The importance of anterior center of mass velocity during gait on energy cost following stroke

Lewis, Sarah, Gillings School of Global Public Health
October 2015
Assessing Quality of Non-Cancer Chronic Care and Medication Adherence for Comorbidities among men with Prostate Cancer

Li, Hongtao, School of Medicine
Ramsden, Christopher, National Institutes of Health
Su, Lishan, School of Medicine
July 2015
The inflammatory status of leukocytes phenotype and function in migraine

Li, Si On, School of Dentistry
Padilla, Ricardo, School of Dentistry
June 2018
Differential Expression of PD-L1 in Proliferative Verrucous Leukoplakia Lesions

Li, Wentao, School of Medicine
November 2018
Development of Targeted Damage-seq Method for Mapping of UV-induced DNA Damage Formation in Human Cells

Li, Xiaoyan, UNC Hospitals
January 2018
Exploring Motor Neuron Degeneration in a Novel ALS model

Li, Yuhui, School of Medicine
November 2015
Prenatal infection in ferret as an animal model of Schizophrenia

Li, Zibo, School of Medicine
January 2015
NTR-1 targeted imaging for prostate cancer diagnosis

Lightfoot, Alexandra, Center for Health Promotion & Disease Prevention
August 2015
Enhancing AMP! (Arts-based, Multiple component, Peer education): A Sexual Health Education and HIV Prevention Intervention for North Carolina Adolescents

Little, Lauren, School of Medicine
December 2012
Stress Response in Young Children with Autism: The Role of Maternal Responsivity

Lofgren, Eric, Gillings School of Global Public Health
October 2011
Agent-Based Modeling of Clostridium difficile Transmission in Healthcare Setting

Luster, Brennon, School of Medicine
June 2018
Examining brain activation following morphine withdrawal

Machlin, Laura, College of Arts and Sciences
September 2016
Pilot study: the impact of deprivation and threatening experiences on neural development

Macy, Rebecca, School of Social Work
Pleasants, Robert, Campus Health Services
August 2011
Evaluation of Interpersonal Violence Prevention and Intervention Trainings: One Act & HAVEN

Maness, Patricia, School of Medicine
February 2013
Development of a Preclinical Model for Social Deficits in Autism

Maness, Patricia, School of Medicine
April 2012
Synaptic Regulation by NrCAM in Schizophrenia and Depression

Mathes, Wendy Foulds, School of Medicine
July 2010
Impact of Adolescent Binge Eating on Adult Feeding Behavior in Rats
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Field of Study</th>
<th>Date</th>
<th>Title</th>
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<tbody>
<tr>
<td>Mathews, Allison</td>
<td>School of Medicine</td>
<td>Preliminary Focus Groups to Design Crowdsourcing Campaign to Decrease HIV Testing Stigma</td>
<td>July 2016</td>
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<tr>
<td>Maturavongsadit, Panita</td>
<td>School of Medicine</td>
<td>Novel Ultra-Long-Acting Injectable Combinatory Implants for Treatment of Osteoporosis</td>
<td>May 2018</td>
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<tr>
<td>McCormick, Margaret</td>
<td>School of Medicine</td>
<td>Investigating a Novel Biologic in Recovery After Myocardial Infarction</td>
<td>September 2011</td>
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<tr>
<td>McCudden, Christopher</td>
<td>School of Medicine</td>
<td>Mutivariate Analysis of Laboratory Data for Classification of Patients with Disorders of Calcium Homeostasis</td>
<td>July 2009</td>
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<tr>
<td>McKim, Theresa</td>
<td>College of Arts and Sciences</td>
<td>Investigating the role of stress in potentiating habitual behavior</td>
<td>October 2012</td>
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<tr>
<td>Mckim, Theresa</td>
<td>College of Arts and Sciences</td>
<td>Addiction History and COMT Genotype are Independently Associated with Impairments in Learning and Replacing Arbitrary Stimulus-Response Associations</td>
<td>June 2014</td>
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<td>McLean, Sean</td>
<td>School of Medicine</td>
<td>Determination of Molecular Pathways Responsible for Pulmonary Hypertension in Sickle Cell Disease</td>
<td>June 2010</td>
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<tr>
<td>Meltzer-Brody, Samantha</td>
<td>School of Medicine</td>
<td>Feasibility of Heart Rate Variability Biofeedback as a Stress Reduction Tool for Hospitalized Pregnant Women</td>
<td>April 2014</td>
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<tr>
<td>Mersereau, Jennifer</td>
<td>School of Medicine</td>
<td>Role of Estrogen in Breast Cancer Development in Women with BRCA Gene Mutation</td>
<td>August 2011</td>
<td></td>
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<tr>
<td>Metzger, Maureen</td>
<td>School of Nursing</td>
<td>SPIRIT-HF: A Pilot Study of a Communication Intervention for LVAD Patients and Their Surrogates</td>
<td>June 2014</td>
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<tr>
<td>Meyer, Katie</td>
<td>Gillings School of Global Public Health</td>
<td>A Home-Based Nutrient Challenge for Mechanistic Study in a Population-Based Cohort: a Pilot Study</td>
<td>September 2014</td>
<td></td>
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<tr>
<td>Mills-Koonce, Roger</td>
<td>College of Arts &amp; Sciences</td>
<td>Stress and Well-Being among LGBTI Young Adults</td>
<td>May 2012</td>
<td></td>
</tr>
<tr>
<td>Mohottige, Dinushika</td>
<td>School of Medicine</td>
<td>Using Socio-spatial Methods to Understand the Relationship Between Physical Access to HIV-specific care and HIV Morbidity/Mortality</td>
<td>June 2010</td>
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<tr>
<td>Mollison, Lonna</td>
<td>School of Medicine</td>
<td>Assessing the Viewpoints of African American Parents regarding Population-Level Age-Based Genetic Screening in Newborns and Children, and Evaluating the Impact of Medical Accessibility</td>
<td>April 2018</td>
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</tr>
<tr>
<td>Moloney, Mairead</td>
<td>School of Medicine</td>
<td>Older Adults and Insomnia: Gauging the Response of Complementary and Alternative Medicine (CAM) Providers in North Carolina</td>
<td>June 2010</td>
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<tr>
<td>Moon, Andrew</td>
<td>School of Medicine</td>
<td>Characteristics and Complications of Opioid Use among Inpatients with Cirrhosis</td>
<td>April 2018</td>
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<tr>
<td>Moore, Margaret</td>
<td>School of Information and Library Science</td>
<td>Challenges and Opportunities for Facilitating Translational Research Via the Publication Process</td>
<td>June 2010</td>
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</tr>
<tr>
<td>Moracco, Beth</td>
<td>Gillings School of Global Public Health</td>
<td>Solidarity Groups to Facilitate Integration and Social Support among Newly-Arrived Congolese Refugees</td>
<td>January 2015</td>
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</tbody>
</table>
$2K Awards cont.

**Morgenlander, Marcia**, Gillings School of Global Public Health
April 2017
Current Practices for Identifying and Addressing Social Determinants of Health in Continuity Clinic

**Muhamed, Ismaeel**, NC State University
**Pozdin, Vladimir**, NC State University
February 2018
The combinatorial effect of electrical current and chemotactic chemical potential of fibrin nanoparticles for enhanced wound healing

**Muhlebach, Marianne**, School of Medicine
January 2009
Impact of MRSA in Tacheotomized Children

**Muhlebach, Marianne**, School of Medicine
November 2016
Whole Genome sequencing to determine MRSA persistence

**Myers, Joseph**, College of Arts & Sciences
October 2010
Ultrasonographic Assessment of Humeral Torsion: A Validation Study

**Nackley, Andrea**, School of Dentistry
November 2014
The Role of B-adrenergic Receptors in COMT-dependent Persistent Pain and Sexual Dimorphism

**Nagendra, Arundati**, College of Arts & Sciences
February 2018
Black American Women and Social Cognition

**Nakamura, Ayumi**, School of Medicine
April 2014
Investigating a novel role of apoptosis in the pathogenesis of autism spectrum disorders

**Nelson, Amanda**, School of Medicine
March 2009
Transforming Growth Factor-Beta as a Biomarker for Incident and Progressive Radiographic Osteoarthritis at the Knee and Hip: The Johnston County Osteoarthritis Project

**Nelson, Jennifer**, School of Medicine
April 2015
Feasibility Study in UNC Patients with Tetralogy of Fallot

**Neshteruk, Cody**, Gillings School of Global Public Health
**Ward, Dianne**, Gillings School of Global Public Health
May 2016
Physical activity behavior among men and their children: a qualitative study

**Obeng-Gyasi**, Emmanuel, N.C. A&T State University
November 2018
Mapping the Soil Urban Lead Exposome in Greensboro, North Carolina

**O’Connell, Catherine**, School of Medicine
October 2017
Risk-STIck, a multi parameter assay to quantify STI burden, detect antimicrobial resistance markers and inflammatory responses

**O’Connor, Annalouise**, UNC Nutrition Research Institute
January 2013
Identification of Plant Extracts Which Enhance GLP-1 Response

**Oliveira, Gustavo**, School of Dentistry
August 2009
Comparison Among ACP, Fluoride and a Combination of ACP/Fluoride and Their Ability to Remineralize Incipient Carious Lesions In Vitro

**Ostrowski, Lawrence**, School of Medicine
January 2009
Measurement of Nitrite/Nitrate in Cultures of Normal and Cystic Fibrosis (CF) Cells

**Ostrum, Robert**, School of Medicine
**Moskal, Peter**, School of Medicine
August 2015
Design and Validation of a Novel, Low Cost, Zero-Radiation Fluoroscopic Simulation

**Pattenden, Samantha**, Eshelman School of Pharmacy
**Davis, Ian**, School of Medicine
September 2017
Investigation of a novel compound which can alter aberrant chromatin accessibility in Ewing sarcoma

**Page, Jessica**, Frank Porter Graham Child Development Institute / School of Education
**Lustenberger, Caroline**, School of Medicine
October 2015
Investigating Sleep in Healthy Infants as a Diagnostic Biomarker for Autism Spectrum Disorder
$2K Awards cont.

**Pahel, Bhavna**, School of Medicine
January 2009
Parents’ Health Literacy and Their Understanding of Pediatricians’ Oral Health Instructions

**Palmer, Walter**, School of Medicine
November 2011
The Effects of a Matter of Balance on Physical Activity in Older Adults

**Park, Eliza**, School of Medicine
March 2017
Adapting the Parenting Concerns Questionnaire for Patients with Advanced Cancer

**Parnell, Brent**, School of Medicine
March 2009
Validation of Web-Based Administration of the Pelvic Organ Prolapse/Urinary Incontinence Sexual Function Questionnaire (PISQ-12)

**Parobek, Christian**, School of Medicine
**Juliano, Jonathan**, School of Medicine
October 2012
Identification of Microsatellites to Track Drug Resistance in the Human Pathogen Pneumocystis jirovecii

**Parry, Traci**, School of Medicine
October 2015
Effect of exercise on cancer cachexia metabolomics

**Pempe, Elizabeth**, Eshelman School of Pharmacy
June 2012
Determining the In Vivo Activity and Clearance of New Anticoagulant Compounds

**Pendse, Avani**, School of Medicine
November 2015
Napsin-A staining in gynecologic malignancies – evaluating the utility of a small immunohistochemical stain panel in establishing the diagnosis of gynecologic malignancies

**Pergolotti, Mackenzi**, School of Medicine
June 2012
Occupational Therapy Service for Cancer Patients in North Carolina

**Peterson, Eliza**, School of Medicine
October 2010
Small-Molecule Inhibitors of S. Pneumoniae EndA that Attenuate Pneumococcal Infection

**Piepmeier, Aaron**, School of Medicine
February 2017
Feasibility of an 8-week Tai Chi Chuan Intervention for Breast Cancer Survivors

**Pignone, Michael**, School of Medicine
October 2012
Formative Research to Develop Diabetes Education Curriculum for Adult Basic Education

**Platts-Mills, Timothy**, School of Medicine
October 2012
Shared Decision Making for the Selection of Outpatient Analgesic Treatment for Older Emergency Department Patients with Acute Pain

**Politte, Laura**, School of Medicine
December 2017
Effects of sulforaphane on gut microbiota composition in autism spectrum disorder

**Prim, Julianna**, School of Medicine
September 2017
Effect of Transcranial Alternating Current Stimulation in Chronic Low Back Pain: A Pilot Study

**Propper, Cathi**, College of Arts & Sciences
November 2011
Assessing the Feasibility of Collecting Infant Heart Rate Variability at Bedtime
October 2014
Self-regulation of Energy Intake during Infancy

**Queen, Kate**, Haywood Regional Medical Center Osteoporosis Center
September 2009
Integrating Fall Prevention into Osteoporosis Management

**Raab, Jesse**, School of Medicine
November 2016
Identification of small molecule regulators of open chromatin in prostate cancer

**Reuland, Daniel**, School of Medicine
**Jolles, Monica**, Gillings School of Global Public Health
August 2012
Pilot Testing a Combined Intervention of a Spanish Language Colorectal Cancer Screening Decision Aid and Navigation: The CHOICES/OPCIONES Project
Richardson, Taryn, School of Medicine
NLR Expression in Asthma
December 2013
Substance Use and Risky Sexual Behavior among Adolescents: A Meta-analysis

Ritchwood, Tiarney, School of Medicine

December 2013
Substance Use and Risky Sexual Behavior among Adolescents: A Meta-analysis

Rivadeneira, Alredo, School of Medicine
Formative Evaluation of Camine Con Gusto
September 2014

Robinson, Donita, School of Medicine
Reversal of the pharmacological effects of cocaine by allopregnanolone
March 2018

Rodgers, Jo Ellen, Eshelman School of Pharmacy
Impact of Induced Therapeutic Hypothermia on Prasugrel Pharmacokinetics
October 2012

Rogers, Jen, School of Medicine
Mechanism and Markers of Seropositive Lupus
February 2013

Roppolo, Rebecca, Frank Porter Graham Child Development Institute
Aldridge, William, Frank Porter Graham Child Development Institute
November 2017
Measuring Local Service Agency Capacity to Implement Evidence-Based Programs: Initial Instrument Development

Rowley, Diane, Gillings School of Global Public Health
Use of Group Prenatal Care to Reduce Preterm Births
January 2009

Samuel, Cleo, Gillings School of Global Public Health
Cancer Health Accountability for Managing Pain and Symptoms (CHAMPS) Study
July 2015

Sanchez Varela, Ana Milena, School of Medicine
End of Life Experiences of Children at North Carolina Children's Hospital
November 2009

Sandercok, Rachel, College of Arts & Sciences
Examining the Validity of Self-Report in Adults with Autism Spectrum Disorder
March 2017

Santoro, Maria, School of Medicine
High-Throughput Analysis of DNA Damage Response Kinetics in Intestinal Stem Cells Following Radiation Injury: Effects of Obesity on Repair
February 2013

Schiller, Crystal, School of Medicine
The Role of Oxytocin in the Pathophysiology of Postpartum Depression
August 2012

Schipul, Sarah, School of Medicine
Belger, Aysenil, School of Medicine

April 2015
Brain Connectivity and Plasticity in Children with Autism Spectrum Disorder

Schuck, Robert, Eshelman School of Pharmacy
Functional Characterization of a 5-Lipoxygenase Polymorphism in Patients with Atherosclerotic Cardiovascular Disease
September 2009

Shafer, Paul, Gillings School of Global Public Health
Shafer, Jennifer, School of Medicine
Identifying Access Barriers to Outpatient Rehabilitative Care After Stroke
June 2016

Shah, Naman, Gillings School of Global Public Health
A Reagentless and Automated Malaria Diagnostic Device Using the Birefringent Properties of Hemozoin
November 2009

Shah, Pavak, School of Medicine
Low-cost Automated Diagnostics for Tuberculosis
November 2009

Shanle, Erin, College of Arts & Sciences
Investigation of YEATS2 expression in ovarian cancers
November 2015

Sharma, Preetika, Eshelman School of Pharmacy
A Novel Biodissolvable Film for Localized and Efficient Treatment of Vulvodynia
September 2018

Shea, Chris, Gillings School of Global Public Health
Documenting Medication Errors in Community Health Center Pharmacies: There's an App for That!
June 2018

$2K Awards cont.
$2K Awards cont.

**Sheikh, Saira**, School of Medicine  
**Callahan, Leigh**, School of Medicine  
**Kaufman, Katherine**, UNC Health Care  
October 2015  
Walk with Ease Program for Patients with Systemic Lupus Erythematosus - Walk SLE

**Short, Sarah**, School of Medicine  
**Buss, Claudia**, University of California at Irvine  
April 2012  
Validating Hair Samples as a Cumulative Index of Circulating Cortisol

**Siedhoff, Matthew**, School of Medicine  
July 2012  
Simulating Vaginal Cuff Closure in Total Laparoscopic Hysterectomy

**Sikich, Linmarie**, School of Medicine  
April 2015  
anti-NMDA Receptor Encephalitis: Case Review of Patients at UNCH and DUMC

**Skinner, Asheley**, School of Medicine  
June 2014  
Improving the Use and Usefulness of Child Medical Evaluations in North Carolina: Importance of Child Welfare Caseworker Perceptions

**Slater, Nathaniel**, School of Medicine  
January 2014  
Tumor-specific Methylation Patterns in Circulating DNA as a Biomarker for Metastatic Melanoma

**Smith, Chris**, School of Medicine  
May 2012  
Investigating the Impact of Genetic Polymorphisms in Dopaminergic Signaling on Immediate Reward Bias Behavior

**Smith, Philip**, Eshelman School of Pharmacy  
December 2012  
Quantitative Phosphoproteomics of Kinases in Breast Cancer

**Smith Taillie, Lindsey**, Gillings School of Global Public Health  
**Grummon, Anna**, Gillings School of Global Public Health  
September 2017  
Evaluating the impact of health warning labels on sugar-sweetened beverage purchases in a real-stakes setting

**Sommer, Courtney**, School of Medicine  
February 2010  
Utilization of Breast MRI in Newly Diagnosed Cancer

**Soto, Sandra**, School of Nursing  
**Callahan, Leigh**, School of Medicine  
**Berry, Diane**, School of Nursing  
October 2018  
Exploring physical activity motivation between Latinas with osteoarthritis and their supportive person

**Spees, Lisa**, Shesps Center for Health Services Research  
March 2017  
Identifying rural/urban and distance to care disparities in stage of diagnosis and treatment of cervical cancer in North Carolina

**Stepp, Wesley**, School of Medicine  
May 2016  
Molecular profiling of traumatic burn injuries to assess patient immune function

**Stewart, Jill**, School of Public Health  
**Fry, Rebecca**, School of Public Health  
September 2011  
Biomarkers to Assess Infectivity of Staphylococcus Isolated from Surface Waters

**Stitzenberg, Karyn**, School of Medicine; Gillings School of Global Public Health  
September 2012  
Practice Patterns and Long-Term Outcomes of Rectal Cancer Treated with Transanal Excision

**Strassle, Paula**, Gillings School of Global Public Health  
September 2017  
Incidence and Risk Factors of Non-Device Associated Hospital-Associated Infections

**Suarez, Elizabeth**, Gillings School of Global Public Health  
February 2018  
Use of ondansetron for nausea and vomiting during pregnancy and adverse pregnancy outcomes

**Sun, Xuezheng**, Gillings School of Global Public Health  
May 2018  
Integrative Analysis to Identify Epithelium and Stroma Specific Transcriptional Alterations in Benign Breast Tissues
$2K Awards cont.

Swahari, Vijay, School of Medicine
January 2015
Exploring the role of a novel microRNA in obsessive compulsive disorders

Tackett, Zachary, Eshelman School of Pharmacy
July 2010
Characterization of a Novel Fluoroquinolone Resistance Gene in Staphylococcus aureus

Taylor, Genevieve, School of Medicine
O’Shea, Michael, School of Medicine
Price, Wayne, School of Medicine
November 2017
Value of the Neonatal Research Network Estimator for Predicting School-Age Neurodevelopmental Outcomes of Extremely Premature Infants

Teng, Brian, Eshelman School of Pharmacy
July 2012
Behavioral Pharmacology of Oxytocin Metabolites

Thatcher, Esther, School of Nursing
October 2015
Development of a Nutrition and Food Preparation Training Program for Home Care Aides: A Formative Study

Thomas, Nancy, School of Medicine
April 2011
Impact of T-bet Polymorphisms on Innate Immune Functioning

Thomas, Tainayah, Gillings School of Global Public Health
Alldredge, Virginia, School of Medicine
April 2012
Evaluating Expression of KLK-10 in BRAF Mutant Versus Wild Type Melanoma

Tikunov, Andrey, School of Medicine
Gershon, Timothy, School of Medicine
November 2010
Metabolic Profiling of Murine Medulloblastoma Tumors

Travers, Debbie, School of Nursing
June 2009
Emergency Department Utilization by Oncology Patients

Turner, Kea, Gillings School of Global Public Health
April 2017
Piloting a Medicaid population health management intervention in NC community pharmacies: An implementation study

Turner, Rachael, School of Medicine
August 2009
Cryopreservation of Human Hepatic Stem Cells for Therapeutic Banking

Turner, Robert, College of Arts and Sciences
Coyne-Beasley, Tamera, School of Medicine
October 2012
The Relationships Between Athletic Participation, Physical Activity, Eating Behaviors, and Obesity Among Adolescents

Urick, Ben, Eshelman School of Pharmacy
Gratie, Daniel, Eshelman School of Pharmacy
March 2018
Validity of Prescription Claims as a Proxy for Diagnosis of Diabetes

van Aalst, John, School of Medicine
March 2010
Keratinogenesis from SSEA-4+ Umbilical Cord-Derived Mesenchymal Stem Cells

van Aalst, John, School of Medicine
Dennis, Robert, School of Medicine
November 2011
Implanted Bioreactor to Direct Development of Engineered Cartilage in Mice

Van Meter, Anna, College of Arts & Sciences
November 2011
Threat Sensitivity as a Vulnerability Factor for Disordered Mood

Veit, Lindsay, School of Medicine
April 2010
Exploring the Impact of Hydroxyurea Treatment on Osteonecrosis of the Femoral Head in Patients with Sickle Cell Disease
$2K Awards cont.

**Vernali, Michelle**, School of Medicine
November 2012
Investigating the Relationship Between Breslow Depth and IRAK-M Expression in Melanoma

**Vora, Neeta**, School of Medicine
Mieczkowski, Piotr, School of Medicine
September 2016
Pilot investigation: Investigating fetal gene expression in preterm birth

**Wallace, Deshira**, Gillings School of Global Public Health
**Barrington, Clare**, Gillings School of Global Public Health
**Lytle, Leslie**, Gillings School of Global Public Health
March 2018
Experiences of stressors and their effect on engagement in health behaviors for Latinos at high-risk of developing type 2 diabetes

**Wang, Xiang (Simon)**, Eshelman School of Pharmacy
January 2009
Structure-based Development of Allosteric Modulators for Adenosine Receptor A2A to Treat Human Cardiovascular Diseases and Neurodegenerative Diseases

**Watanaboonyongcharoen, Phandee**, School of Medicine
April 2012
Understanding the Role of Interferon-alpha in Thrombotic Thrombocytopenic Purpura

**Wedlake, Tiffany**, Gillings School of Global Public Health
November 2009
Physician Prostate Cancer Screening Practices and Influences

**Weinhold, Paul**, School of Medicine
April 2011
Low Magnitude, High Frequency Vibration to Accelerate Ligament Healing

**Wells, Mary**, School of Medicine
**Sanders, Anne**, School of Dentistry
**Vaughn, Bradley**, School of Medicine
**Essick, Gregory**, School of Dentistry
April 2016
Validity of the Basis Peak Sleep Tracking Device to Determine Sleep Duration and Detect Sleep Stages: An Evaluation against Type I Attended (in-laboratory) Polysomnography

**Wheeler, Stephanie**, Gillings School of Global Public Health
August 2009
Characteristics and Determinants of Innovation Diffusion, Adoption, and Patient Outcomes Related to Breast Cancer Disparities

**Will, Kelly**, College of Arts & Sciences
December 2010
Omega-6 to Omega-3 Fatty Acid Ratio and Higher-Order Cognitive Function in 7- to 9-Year-Olds

**Williams, Dorsey (Blaise)**, East Carolina University
**Steinbaker, C. Ryan**, Eastern Radiologists
November 2010
Magnetic Resonance Analysis of Intrinsic Foot Musculature during Running

**Williams, Lindsay**, Gillings School of Global Public Health
**Yeh, Jen Jen**, School of Medicine
November 2014
Isolation and Identification of Circulating Tumor Cells in Metastatic Pancreatic Cancer

**Williams, Sarah**, School of Medicine
August 2009
Development of an Animal Model for Postpartum Anxiety and Depression Disorders

**Williamson, Ian**, School of Medicine
November 2017
Demonstrating Human Organoid-Microbiota Co-Culture Compatibility to Provide a Robust in vitro Interaction Screening Tool

**Willis, Zachary**, School of Medicine
April 2017
Assessing variability of antibiotic prescribing for common pediatric infections in the UNC Health Care System
$2K Awards cont.

Willis-Gray, Marcella, School of Medicine
November 2016
Reducing Postoperative Catheterization
After Urogynecologic Surgery: A
Randomized Study of Two Void Trials

Won, Christina, Eshelman School of Pharmacy
January 2011
Identification of Clinically-Relevant Intestinal Absorptive
Uptake Transport Protein Inhibitors in Grapefruit Juice

Wise, Nicholas, School of Medicine
June 2016
The effects of Cranial Laser Reflex Technique (CLRT)
on hamstring flexibility and strength: a pilot study

Wunnava, Manoj
February 2015
Tracking outcomes in pain patients
using personal fitness devices

Xue, Jing, School of Medicine
March 2018
In utero vitamin D depletion regulates
Tfpt expression in adults

Yeo, SeonAe, School of Nursing
Stoner, Lee, College of Arts & Sciences
October 2018
Validation of ActiGraph and ActivPal in
Assessing Sedentary and Light Activities
with Obese Pregnant Women

Zukowski, Lisa, School of Medicine
June 2016
Falls in Older Adults: Exploring Interactions
between Gait, Gaze Behavior, and Cognition

10K AWARD WINNERS

Asher, Gary, School of Medicine
October 2009
Nitric Oxide (NO)-Mediated Vasodilatory Response
to Hawthorn Standardized Extract (HSE)

Bencharit, Sompop, School of Dentistry
November 2010
Salivary Proteomic Analysis for Diabetes

Berry, Diane, School of Nursing
February 2009
A Pilot Study To Test a Community-Based Intervention
to Manage Overweight and Prevent Type 2 Diabetes
in Spanish-Speaking Women and Prevent Excess
Weight Gain in Their 2 to 4 Year Old Children

Brittain, Julia, School of Medicine
May 2009
Oxytocin and Pain in Sickle Cell Disease

Yuen, Hong, School of Medicine
Cohen, Todd, School of Medicine
Wu, Zhanhong, School of Medicine
September 2016
Evaluation of PET imaging for Tau pathology
on transgenic mouse models

Yue, Wei, Eshelman School of Pharmacy
December 2009
Predicting OATP-mediated drug-drug interactions
between tyrosine kinase inhibitor (TKI) drugs
and statins in primary human hepatocytes

Yunker, Amanda, School of Medicine
April 2010
Cervical Stump Reinnervation after
Supracervical Hysterectomy for Pain and Non-
pain Indications: A Retrospective Analysis

Zolnoun, Denniz, School of Medicine
January 2009
Endometriosis: An Evaluation of Long
Term Surgical Outcomes
$10K Awards cont.

**Caron, Whitney**, Eshelman School of Pharmacy  
May 2010  
Development of Ex Vivo Phenotypic Probes to Guide Pegylated Liposomal Doxorubicin (Doxil) Therapy in Patients

**Carter, Yvonne**, School of Medicine  
November 2010  
Facilitators and Barriers to HIV Testing Among Heterosexual African-American Men at Risk for HIV Infection in Rural North Carolina

**Cates, Joan**, School of Journalism and Mass Communication  
February 2009  
Addressing Racial Disparities in HPV Vaccine Acceptability: Interviews with female African Caregivers of Adolescents Girls in Rural NC

**Cevidanes, Lucia**, School of Dentistry  
May 2009  
3D Quantification of Osteoarthritis

**Charles, Anthony**, School of Medicine  
October 2009  
The Accuracy of a Verbal Autopsy Tool in Injury Surveillance in Malawi

**Coghill, James**, School of Medicine  
January 2010  
Targeting CC-Chemokine Receptor 7 for the Management of Graft-Versus-Host Disease

**Coyne-Beasley, Tamara**, School of Medicine  
May 2009  
Human Papilloma Virus Vaccine: How to Potentiate Vaccination and Acceptance among Young Men

**Crockett, Seth**, School of Medicine  
January 2010  
Do Statins Reduce Flares of Inflammatory Bowel Disease? A Retrospective Cohort Study

**Dennis, Ann**, School of Medicine  
May 2010  
The Molecular Epidemiology of HIV-Infected Latinos in North Carolina

**Dichter, Gabriel**, School of Medicine  
May 2010  
Using fMRI to Aid Drug Discovery in Autism

**Domino, Marisa**, Gillings School of Global Public Health  
May 2009  
Psychotropic Medication Use in Medicaid

**Evenson, Kelly**, Gillings School of Global Public Health  
**Steiner, Anne**, School of Medicine  
July 2010  
Impact of Physical Activity on Achieving Pregnancy

**Federspiel, Jerome**, Gillings School of Global Public Health  
**Gilleskie, Donna**, College of Arts & Sciences  
November 2010  
The Dynamic Impacts of Outpatient Cost-Sharing Requirements on Medicare Beneficiaries with Cardiovascular Disease

**Fogel, Catherine**, School of Nursing  
October 2009  
Video and Web Development and Evaluation via Project POWER: Creating and Testing Applications of Proven Strategies to Reduce HIV-Risk Behavior Among Incarcerated and Formerly Incarcerated Women in North Carolina as an Augmentation to a CDC-Funded Adaptation Grant

**Fry, Rebecca**, Gillings School of Global Public Health  
February 2009  
Identifying Methylated CpG Sites Associated with Prenatal Metal Exposure

**Gaetz, Kim**, Gillings School of Global Public Health  
July 2010  
Community Partners: Chapel Hill-Carrboro City Schools, New Hanover County School District, Assistant Superintendent for Support Services Todd LoFrese, Facilities Maintenance Supervisor Bill Kelley, NHCS’ Bobby Lamb, the Maintenance Operations Department’s Gwen Simpson, and the American Lung Association’s Gabrielle Steele  
Pilot Study of “Free to Breathe, Free to Teach: Indoor Air Quality in Schools and Respiratory Health of Teachers”

**Gaylord, Susan**, School of Medicine  
**Smith, Sunyata**, School of Medicine  
June 2011  
A Randomized Controlled Pilot Study to Test a Novel Intervention to Reduce Oxidative Stress in African-Americans with Prediabetes

**Gilchrist, Michael**, School of Medicine  
May 2009  
Assessing Communication Gaps Between Physicians After Hospital Discharge: A Proposed Pilot Study
$10K Awards cont.

**Gookin, Jody**, North Carolina State University
October 2009
Defining the Microbiome of Necrotizing Enterocolitis - From Model to Patient Management

**Gourlay, Margaret**, School of Medicine
October 2009
Osteoporosis and Distal Radius Fractures in Younger Postmenopausal Women

**Gracely, Richard**, School of Dentistry
May 2009
Vibrotactile Discrimination in Fibromyalgia: Biomarker and Mechanisms

**Green, Sherri**, Gillings School of Global Public Health
May 2009
Addressing the Research-to-Practice Gap: A Feasibility Study For Use of a Web-Interface Tool in Evidence-Based Practice Translation Research

**Grewen, Karen**, School of Medicine
July 2009
Prenatal Nicotine Exposure Effects on Infant Brain Development

**Haithcock, Benjamin**, School of Medicine
May 2010
Evaluation of Swine Transplanted Lungs Retrieved From Brain Death Donors

**Haley, Katarina**, School of Medicine
February 2009
Life Interests and Value Cards: Supporting Self-Determination in People with Aphasia

**Hand, Carla**, Gillings School of Global Public Health
January 2010
Hemozoin Breakers: A New Class of Anti-Malarial Drugs

**Heaney, Chris**, Gillings School of Global Public Health
July 2009
Water, Health, and Quality of Life in a Community Bordering a Landfill

**Heaney, Chris**, Gillings School of Global Public Health
November 2010
MRSA Prevalence Among Workers and Household Members at Antibiotic-Free Hog Farms in North Carolina

**Huang, Hsien-Sung**, School of Medicine
May 2009
Novel Strategies to Manipulate Ube3a Expression for the Treatment of Angelman Syndrome and Autism

**Hussong, Andrea**, College of Arts & Sciences
February 2009
A Recruitment Feasibility Study for FAMILIES FIRST: An Early Prevention Program for Young Children Living with an Alcoholic Parent

**Jaspers, Ilona**, School of Medicine
February 2009
Genome-Wide Analysis of Epigenetic Modifications in Nasal Epithelial Cells from Smokers and Non-Smokers

**Jonsson-Funk, Michele**, Gillings School of Global Public Health

**Camelo Castillo, Illo, Wendy**, Gillings School of Global Public Health
November 2010
Developing Methods to Improve Estimation of Gestational Age at Delivery Using the Carolina Data Warehouse for Health (CDW-H): Enabling the Use of Healthcare Databases for Drug Safety in Pregnancy Research

**Joy, Melanie**, School of Medicine
McCord, Marian, School of Medicine
July 2009
Textile Based Phosphate Adsorption; an Application in Hemodialysis

**Juliano, Jonathan**, School of Medicine
Hand, Carla, Gillings School of Global Public Health
November 2010
Host Determinants of Susceptibility to Cerebral Malaria: Preliminary Data Generation

**Kashuba, Angela**, Eshelman School of Pharmacy
October 2009
Development and Validation of a Multiplex Mass Spectrometry Assay for Antimicrobials in Premature Infants

**Kasow Wichlan, Kimberly**, School of Medicine
January 2010
Through Their Eyes: Understanding the Young Sibling Hematopoietic Stem Cell Donor Experience


**$10K Awards cont.**

**Kaur-Walker, Kulwinder**, College of Arts & Sciences  
February 2009  
Examination of the Effects of Colorectal Cancer  
Risk Factor Awareness Training on Changing  
Colorectal Health Behavior & Attitude among African Americans through Church-Based Intervention

**Key, Nigel**, School of Medicine  
February 2009  
Mechanisms of Thrombosis in  
Patients with Sickle Cell Trait

**Keys, Jessica**, Gillings School of Global Public Health  
July 2009  
Minority Drug Resistant Variants of HIV-1: Diversity and Impact on Antiretroviral Therapy Response

**King, Jennifer**, Gillings School of Global Public Health  
October 2009  
Variation in the Adoption and  
Effectiveness of the Medical Home

**King, Martin**, North Carolina State University  
Gerber, David, School of Medicine  
May 2010  
Novel 3-Dimensional Nanofibrous Extra Cellular  
Matrix for Generation of Functioning Neo-Ilets

**Koeck, Kathleen**, Eshelman School of Pharmacy  
Hawke, Roy, Eshelman School of Pharmacy  
February 2011  
Role of Transport Proteins in the Hepatic Disposition of  
Natural Products Used in Patients with Liver Disease

**Kohn, Harold**, Eshelman School of Pharmacy  
February 2009  
A Tale of Two Antiepileptics: Seeking Neurological  
agents with more diverse structure and function

**Lai, Bien**, School of Dentistry  
January 2010  
Access to Dental Care for Children with  
Autistic Spectrum Disorder

**Laughon, Matthew**, School of Medicine  
February 2009  
Early Blood Pressure Management in Extremely  
Preterm Infants Feasibility Pilot Study

**Lee, Yueh**, School of Medicine  
May 2009  
Clinical Biomarkers Based on Magnetic  
Resonance Spectroscopy Atlases

**Lee, Craig**, Eshelman School of Pharmacy  
October 2009  
Eicosanoid Metabolism, Endothelial Function  
and Atherosclerotic Cardiovascular Disease

**Leigh, Margaret**, School of Medicine  
May 2009  
Defining a Disease-Specific HRQOL Tool  
for Primary Ciliary Dyskinesia

**Lewek, Michael**, School of Medicine  
June 2011  
Motor Learning Strategies for the  
Production of Symmetric Gait

**Liu, Peng**, School of Medicine  
October 2009  
Targeted Inhibition of Th17 Cells for the  
Treatment of Autoimmune Disease

**Livingstone, Laura**, Eshelman School of Pharmacy  
February 2009  
Comparison of DNA Sequencing Reaction  
Compositions for Automated DNA Sequencing

**Loboa, Elizabeth**, School of Medicine / Engineering  
January 2010  
Controlled AC Electric Fields for Osteogenesis  
of Human Adipose Derived Stem Cells

**Maile, Laura**, School of Medicine  
February 2009  
Development of a Novel Method  
to Inhibit Tumor Growth

**McCulloch, Karen**, School of Medicine  
June 2011  
Inertial Sensor Measurement of Military  
Multitask Function: A Pilot Study

**Mente, Peter**, School of Medicine  
January 2010  
Chondrocyte Protein Profiling in a Porcine  
Model of Osteoarthritis to Identify Potential  
Biomarkers and Therapeutic Interventions
$10K Awards cont.

**Mougeot, Jean-Luc,** Carolinas Medical Center
October 2009
Microarray Analysis of Peripheral Leukocytes in Amyotrophic Lateral Sclerosis

**Nakamura, Jun,** Gillings School of Global Public Health
May 2010
Identification of Chemicals Potentiating PARP Inhibitor-Mediated Synthetic Lethality

**Nelson, Amanda,** School of Medicine
**Jordan, Joanne,** School of Medicine
November 2010
Identifying Pain Vulnerability Phenotypes in Osteoarthritis

**Neumann, Aaron,** School of Medicine
February 2011
Functional Genomics and Proteomics to Understand Fungipod Formation

**Oldenburg, Amy,** College of Arts & Sciences
May 2010
Feasibility of Contrasting SPIO-Loaded Platelets Using Magnetomotive Ultrasound

**Olshan, Andrew,** Gillings School of Global Public Health
**Basta, Patricia,** Gillings School of Global Public Health
May 2010
The Importance of the Pentose Phosphate Pathway in Cancer: Association of a Transaldolase1 Tri-allelic SNP with Head and Neck Cancer

**Ostrowski, Lawrence,** School of Medicine
July 2009
Development of Monoclonal Antibodies for Improved Diagnosis of PCD

**Paine, Mary,** Eshelman School of Pharmacy
October 2009
Do Furanocoumarins Mediate the Fexofenadine-Grapefruit Juice Interaction?

**Parise, Leslie,** School of Medicine
February 2009
Preclinical Assessment of a Syk Inhibitor in a Mouse Model of Sickle Cell Disease

**Piedrahita, Jorge,** North Carolina State University
May 2009
Generation of Human Hepatocytes in a Transgenic Pig

**Pielak, Gary,** School of Medicine
May 2009
Enabling Unique In-Cell NMR Detection by the Development of a Dynamic Range Extender (DRE)

**Platts-Mills, Timothy,** School of Medicine
October 2009
Identifying Predictors of Persistent Pain in Older Patients Following Minor Motor Vehicle Crash

**Plevy, Scott,** School of Medicine
May 2010
Identification of Small Molecule Heme Oxygenase-1 Inducers as Novel Therapeutics for the Inflammatory Bowel Diseases

**Register-Mihalik, Johna,** College of Arts & Sciences
**Guskiewicz, Kevin,** College of Arts & Sciences
February 2011
Refining a Dual-Task Rehabilitation Progression for Mild Traumatic Brain Injury

**Reuland, Dan,** School of Medicine
February 2009
Community Partners: Piedmont Health Services, Inc.
Overcoming Communication Barriers to Colorectal Cancer Screening for Latinos with Limited English Proficiency: A Qualitative Study to Inform the Development of Spanish Language Colorectal Cancer Screening Decision Aid

**Robinson, Barbara,** School of Medicine
November 2010
Do Obstetric Risk Factors Interact with Gastrointestinal Risk Factors in the Etiology of Fecal Incontinence?

**Rogers, Arlin,** School of Medicine
February 2009
Sex-Dependent Gene Expression in the Human Liver

**Rossi, Emma,** School of Medicine
July 2010
Pelvic and Para-Aortic Sentinel Lymph Node Mapping with Robotically Assisted Near-Infrared Imaging After Cervical and Uterine Indocyanine Green Injection

**Sanders, Anne,** School of Dentistry
July 2009
Hair Cortisol as a Biomarker of Chronic HPA Axis Response to Stress
$10K Awards cont.

Schinasi, Leah, Gillings School of Global Public Health  
July 2010  
Prevalence of Livestock Associated Strains of  
Methicillin Resistant Staphylococcus Aureus  
Carriage Among Eastern NC Residents Admitted  
to Pitt Country Memorial Hospital

Schmidt, Monica, Gillings School of Global Public Health  
May 2010  
Development and Evaluation of a Sensitive  
and Specific Multiplex Assay for Early  
Detection of Hepatocellular Carcinoma

Schuler, Kevin, School of Medicine  
May 2010  
Predictors of Metastatic Spread in Uterine  
Papillary Serous Carcinoma: A Pilot Study

Segal, Richard, School of Medicine  
Heather Walker, School of Medicine  
June 2011  
Operant Conditioning of Tibialis Anterior  
H-Reflexes in Patients Post-Stroke

Sims, Jared, School of Medicine  
February 2009  
Electrocardiographic Guidance of RF Ablation  
Therapy in Patients with Atrial Fibrillation

Singleton, Scott, Eshelman School of Pharmacy  
June 2011  
A Chemical Approach to Target Validation  
for Control of Pneumococcal Infection

Smith, Sophia, Gillings School of Global Public Health  
July 2010  
Quality of Life in Non-Hodgkin Lymphoma  
Survivors: A Follow-Up Study

Song, Mi-Kyung, School of Nursing  
July 2009  
Assessing Daily Burdens of Patients  
With End-Stage Renal Disease

Street, Sarah, School of Medicine  
May 2009  
ENTPD3 as a Potential New Therapy for Pain Relief

Stuart, Gretchen, School of Medicine  
January 2010  
Feasibility of Collecting Breastfeeding Data  
Using Validated Questionnaires When the  
Levonorgestrel-Releasing Intrauterine Device  
is Placed 10 minutes to 48 hours Postpartum;  
Add on to an Ongoing Funded Pilot Study

Stuebe, Alison, School of Medicine  
January 2010  
Determining the Role of the Human Milk  
Microbiome in Breastfeeding-Associated Pain

Stuebe, Alison, School of Medicine  
July 2010  
Management of Maternal Symptoms (MOMS) Study

Sun, Junjiang, School of Medicine  
May 2009  
Enhancing Joint-Directed Gene Therapy for Hemophiliac  
Arthopathy by AAV Directed Variant Clotting Factor IX

Talameh, Jasmine, Eshelman School of Pharmacy  
January 2010  
Association of Genetic Polymorphisms in  
the Sympathetic Adrenergic and Renin-  
Angiotensin-Aldosterone Systems with  
Mortality in Patients with Heart Failure

Taylor, Steve, Gillings School of Global Public Health  
October 2009  
Evolution and Diversity of Var Genes in  
Pregnancy-Associated Malaria

Wehmeyer, Megga, School of Dentistry  
January 2010  
The Impact of Oral Health Literacy  
on Periodontal Health Status

White, Becky, School of Medicine  
January 2010  
Community Partners: Dr. Pamela Love, Chapel  
Hill, NC & Dr. Elaine Hart-Brothers, Durham,  
NC Enhancing Physician’s Adherence to HAART  
Treatment Guidelines in North Carolina

Wiley Cene, Crystal, School of Medicine  
May 2009  
Community Partners: Rev. Danny Ellis, Together  
Transforming Lives, Halifax, NC Project SEED (Screening  
and Education to Eliminate Disparities) - Dissemination
$10K Awards cont.

Willis, Monte, School of Medicine
May 2010
Identification of Novel BMPER Mutations Leading to Left Ventricular Non-Compaction (LVNC) Cardiomyopathy in Humans

Wolberg, Alisa, School of Medicine
November 2010
Hyperfibrinogenemia in a Novel Model of Thrombus Stability

Young, Steven, School of Medicine
May 2009
Progesterone Resistance in Endometriosis: A Pilot Study

Zamboni, William, Eshelman School of Pharmacy
June 2011
Relationship Between Mononuclear Phagocyte System (MPS) in Tumors and Tumor Delivery and Efficacy of Nanoparticle Anticancer Agents in Genetically Engineered Mouse Models of Breast Cancer

5K-50K AWARD WINNERS

Abel, Kristina, School of Medicine
Webster-Cyriaque, Jennifer, School of Dentistry
June 2012
Biomarkers in Oral Fluids – Predictors of HIV Progression?

Adunka, Oliver, School of Medicine
Fitzpatrick, Douglas, School of Medicine
October 2011
Intraoperative Measures of Hearing Preservation

Allicock, Marilyn, Gillings School of Global Public Health
Lewis, Megan, RTI International
March 2012
Factors Predicting Behavior Change and Weight Loss Among Couples: Implications for Translation and Dissemination of Weight Management Programs

Ammerman, Alice, Gillings School of Global Public Health
Furberg, Robert, RTI International
April 2014
Taste Texting: a behavioral economics based mobile technology for improving high school lunch participation

Anders, Carey, School of Medicine
September 2014
RNA Sequencing of Triple Negative Breast Cancer Brain Metastases

Anders, Carey, School of Medicine
Miller, C. Ryan, School of Medicine
March 2012
PI3K and MEK Inhibition to Treat Primary and Metastatic Central Nervous System Malignancies

Antoniak, Silvio, School of Medicine
Jensen, Brian, School of Medicine
December 2016
PAR-1 as potential therapeutic target to reduce in Doxorubicin-induced heart failure

Austin, Charles, School of Medicine
Kistler, Christine, School of Medicine
August 2018
A Pilot Study Assessing the Feasibility of Genotyping Mechanically Ventilated Patients in the Medical ICU

Barritt, A. Sidney, School of Medicine
Brouwer, Kim, Eshelman School of Pharmacy
October 2012
Altered Drug Disposition and Bile Acid Profiling as Novel Biomarkers to Predict Disease Severity in Patients with Chronic Inflammatory Liver Disease

Beeber, Linda, School of Nursing
Meltzer-Brody, Samantha, School of Medicine
October 2012
A UNC-Community Partnership to Enhance Outcomes for Infants and Toddlers with Suspected Disability who are Enrolled in Early Intervention Services

Belger, Ayseniil, School of Medicine
Willoughby, Michael, RTI International
December 2016
Integrating functional near infrared spectroscopy into the assessment of executive functions and achievement in preschool children
Belger, Aysenil, School of Medicine
Rubinow, David, School of Medicine
June 2012
Gonadal Steroids and Neural Function in an Experimental Model of Postpartum Depression

Benhabbour, Soumya, Eshelman School of Pharmacy
August 2013
Development of Poly(ethylene-co-vinyl acetate) (EVA)-Based Intravaginal Rings (IVRs) for Delivery of MK-2048, a Novel Second Generation HIV-1 Integrase Inhibitor

Berg, Jonathan, School of Medicine
January 2014
Validation of Whole Exome Sequencing-Identified Genomic Variants in Cardiac Disease

Birken, Sarah, Gillings School of Global Public Health
Jacobs, Sara, RTI International
August 2015
Identifying Strategies for the Successful Implementation of Cancer Treatment Summaries in Practice

Birchard, Katherine, School of Medicine
Knowles, Michael, School of Medicine
March 2012
Idiopathic Bronchiectasis and Dural Ectasia: Is There a Correlation, and What are the Implications?

Birchard, Katherine, School of Medicine
Muhlebach, Marianne, School of Medicine
March 2012
Evaluation of CF Exacerbations with MRI: A radiation-free alternative

Boggess, Kim, School of Medicine
January 2014
A Dose Escalation Study of Nicotinamide Supplementation in Early Onset Preeclampsia

Branca, Rosa Tamara, College of Arts & Sciences
April 2014
Detection of human brown fat mass and temperature by hyperpolarized xenon gas MRI

Brenner, Alison, School of Medicine
December 2016
Toward improving adherence to guidelines for shared decision making about lung cancer screening: an analysis of patient-provider discussions

Brudno, Yevgeny, School of Medicine
Dayton, Paul, School of Medicine
December 2017
Targeting Glioblastoma Recurrence Through Focused Ultrasound-Enabled Refillable Drug Depots

Carpenter, Delesha, Eshelman School of Pharmacy
Sleath, Betsy, Eshelman School of Pharmacy
March 2012
Testing the Feasibility of Using ENLaCE to Enroll Latino Children with Asthma into a RCT using MEDUCATION to Improve Asthma Medication Device Technique

Carroll, Ian, Gillings School of Global Public Health
Van Landeghem, Laurianne, College of Veterinary Medicine, NC State University
December 2018
Severe calorie restriction-induced intestinal microbiota dysbiosis impairs intestinal stem cell-driven epithelium renewal and regeneration

Cene, Crystal, School of Medicine
December 2016
Patient and Family Partners in Heart Failure: Feasibility of Using a Pre-visit Prompt List to Enhance Engagement and Self-Management

Chen, Ronald, School of Medicine
April 2015
Aggressive End-of-Life Care Among Patients with Cancer Under Age 65: Analysis of the HealthCore Integrated Research Database

Chen, Ronald, School of Medicine
October 2011
Primary Care Utilization and Quality of Life in Prostate Cancer Survivors

Clark, Leslie, School of Medicine
April 2015
Evaluating the Anti-Proliferative Effects of Atorvastatin on the Endometrium of Endometrial Cancer Patients: A Pre-Operative Window Study

Cohen, Todd, School of Medicine
April 2014
The role of tau acetylation in Alzheimer’s disease pathogenesis

Conlon, Brian, School of Medicine
Blough, Bruce, RTI International
December 2016
Identification and characterization of compounds that kill persister cells
Cook, Marc, NC State University
Carroll, Ian, Gillings School of Global Public Health
April 2018
Effect of Gut Butyrate Delivery on Blood Pressure in African Americans with Hypertension

Cruse, Glenn, NC State University
Tilley, Stephen, School of Medicine
April 2018
Delivering mast cell targeting oligonucleotides across the airway epithelium to human mast cells

Dai, Xuming, School of Medicine
January 2015
Mechanisms of Hyperphosphatemia-Induced Vascular Calcification - A pilot study of endothelial Cell response to Inorganic Phosphate

Dellon, Evan, School of Medicine
October 2012
Suppression of Inflammatory Mediators with the Antioxidant Sulforaphane in Eosinophilic Esophagitis

Dennis, Ann, School of Medicine
Doherty, Irene, School of Medicine
April 2014
Integrating HIV Phylogenetics and Sexual Networks to Inform HIV Prevention

Divaris, Kimon, School of Dentistry
August 2015
Who does what in the oral biofilm: the metagenome and metatranscriptome of early childhood oral health and disease

Domino, Marisa, Gillings School of Global Public Health
September 2014
Primary Care Innovation and Technology Diffusion

Dusetzina, Stacie, Eshelman School of Pharmacy
May 2016
Less is More? Evaluating Surveillance Patterns after Non-Operative Management Compared to Conventional Management for Older Individuals with Rectal Cancer

Evenson, Kelly, Gillings School of Global Public Health
August 2016
Self-monitoring for Success through the Cardiac Rehabilitation Transition

Farley, Joel, Eshelman School of Pharmacy
March 2012
A Programmatic Description of the UNC Charity Care Pharmacy Assistance Program

Flythe, Jenny, School of Medicine
September 2014
Developing Comparative Effectiveness Research Strategies for the Study of Diuretic Therapy and Outcomes Among Dialysis Patients

Freburger, Janet, Sheps Center for Health Services Research
April 2014
Enhancing Stakeholder Engagement in End-stage Renal Disease Research

Freytes, Donald, School of Medicine
August 2016
Derivation of an Autologous Testing Platform Using Donor-Matched Pluripotent Stem Cells and Bioengineered Muscle Tissues

Frohlich, Flavio, School of Medicine
October 2011
Enhancing Cortical Dynamics With Non-Invasive Brain Stimulation in Humans

Giovanello, Kelly, College of Arts & Sciences; School of Medicine
Lin, Weili, School of Medicine; Eshelman School of Pharmacy
December 2018
Ultrahigh-resolution functional MRI of hippocampal subfield-cortical interactions

Giudice, Jimena, School of Medicine
April 2018
Mechanotransduction and alternative splicing in muscle cell biology
$5-50K Awards cont.

Givens, Deborah, School of Medicine
January 2016
Modifying Corticomotor Excitability in the Rehabilitation of Knee Osteoarthritis

Grace, Landon, NC State University
Fleischman, David, School of Medicine
August 2018
Building patient-specific models of cerebrospinal fluid dynamics and its effect on ocular structures

Gray, Steven, School of Medicine
January 2016
Development of translational outcome measures for aspartylglucosaminuria

Gu, Zhen, School of Medicine
August 2013
Development of Closed-Loop Insulin Delivery Devices Integrated with Glucose-Responsive Nanocomposites

Gulley, Margaret, School of Medicine
December 2017
Fractional Concentrations of Circulating Cell Free DNA in Oral Squamous Cell Carcinoma

Guskiewicz, Kevin, College of Arts and Sciences
Clark, Michael, School of Medicine / College of Arts and Sciences
January 2016
The Role of Repetitive Head Trauma on Cognitive Decline and Frontolimbic Dysfunction

Han, Zongchao, School of Medicine
December 2016
Injectable hydrogel-mediated CAR-T cell delivery for retinoblastoma

Hasmiller Lich, Kristen, Gillings School of Global Public Health
Bobashev, Georgiy, RTI International
October 2011
Using Systems Science Methods to Improve Colorectal Cancer Screening in North Carolina

Hicks, Leslie, College of Arts & Sciences
Emanuele, Michael, School of Medicine
Liu, Yufeng, Gillings School of Global Public Health
April 2018
Molecular and biological characterization of novel anticancer peptides discovered through PepSAVI-MS

Hirsch, Matthew, School of Medicine
Samulski, Richard, School of Medicine
April 2014
Correction of Cornea-Associated Vision Loss in Hurler Patients Post-Bone Marrow Transplantation

Ideraabdullah, Folami, School of Medicine
Divers, Jasmin, Wake Forest University
August 2016
Role of Epigenetic Factors in Beta-Cell Dysfunction in Type 1 Diabetes

Isaacson, Ari, School of Medicine
January 2015
Evaluation of TRAIL/Dox Nanocarrier as Theranostic for HCC

Jarstfer, Michael, Eshelman School of Pharmacy
March 2012
Telomerase Activation for the Treatment of Cardiovascular Disease

Jensen, Brian, School of Medicine
Jin, Jian, Eshelman School of Pharmacy
October 2011
Selective Alpha-1-Adrenergic Receptor Agonists for the Treatment of Heart Failure

Jewells, Valerie, School of Medicine
Li, Zibo, School of Medicine
Utilization of [18] F-iNOS for Invivo Biokinetic and Disease Expression Evaluation in Cuprizone Mice

Jones, Hendree, School of Medicine
Lorvick, Jennifer, RTI International
August 2016
Provision of and Barriers to Sexual Health Education and Reproductive Health Services Among Women of Reproductive Age in Opioid Use Treatment in North Carolina

Kaufman, David, School of Medicine
March 2012
Rapid Assessment of Chemotherapeutic Options for Cancer Patients

Kahwati, Leila, RTI International
September 2014
Implementing a Depression Screening and Treatment Toolkit in Primary Care: Innovations from the Field
$5-50K Awards cont.

Kosorok, Michael, Gillings School of Global Public Health

Mayer-Davis, Elizabeth, Gillings School of Global Public Health

Laber, Eric, NC State University

Young, Laura, School of Medicine

April 2018

Development and Optimization of HEDRA, a novel m-health decision support tool for weight and glycemic control in type 1 diabetes

Kreda, Silvia, School of Medicine

Fletcher, Paul, East Carolina University

March 2012

Pharmacological Inhibition of VAMP8 to Control Mucin Secretion in Lung Diseases

Kshirsagar, Abhi, School of Medicine

Krueger, Whitney, RTI International

December 2016

Comparative effectiveness and safety of the high-dose influenza vaccine among patients on dialysis: a feasibility study assessing vaccine uptake and residual bias

Lai, Sam, Eshelman School of Medicine

Fischer, William, School of Medicine

January 2015

Harnessing antibody-mucin interactions to block mucosal Ebola infections

Lalush, David, School of Medicine

Kim, Hong Jin, School of Medicine

May 2016

Utility of PET-MR in Assessing Response to Neoadjuvant Radiation Therapy in the Treatment of High-Grade Sarcomas

Lee, Kristy, School of Medicine

Garg, Seema, School of Medicine

March 2012

A Next-Generation Sequencing Platform for Genetic Diagnosis and Gene Discovery in Patients with Genetically Heterogenous Ophthalmologic Disorders

Leeman, Jennifer, School of Nursing

Wiecha, Jean, RTI International

January 2014

Developing a Tool to Assess Practitioner Capacity to Change Policies and Environments

Levy, Josh, RTI International

Graves, Lee, School of Medicine

January 2014

Generating Kinase Activity Hypotheses Using Causal Reasoning

Linnan, Laura, Gillings School of Global Public Health

Weiner, Bryan, Gillings School of Global Public Health

March 2012

Testing the Feasibility of Promoting Health & Jobs Among Cumberland County Residents: A Demonstration Study

Loboa, Elizabeth, School of Medicine

January 2014

Fiber-Reinforced Extracellular Matrix Hydrogels for Skeletal Muscle Regeneration

Loboa, Elizabeth, School of Medicine

April 2014

Biocompatible, Biodegradable Controlled Release Smart Bandages for Regenerating Skin and Healing Infected Wounds

Lockett, Matthew, College of Arts and Sciences

December 2016

A 3D culture platform for scalable screening of compound libraries for hepatic metabolism and toxicity

Lund, Jenny, Gillings School of Global Public Health

Sanoff, Hanna, School of Medicine

January 2014

Improved Measurement of Patient Frailty and Comorbidity for Targeting Subgroups of Older Adults in Cancer Comparative Effectiveness Research

Madamanchi, Nageswara, School of Medicine

Bowles, Dawn, Duke University

January 2014

Insights into the Function of NOX4 in Atherosclerosis and Heart Failure

Magness, Scott, School of Medicine

August 2013

Intestinal Tissue Engineering: Development of Three-Dimensional Non-Immunogenic Scaffolds from Pig Intestine for Novel Tissue-Based Therapies

Makowski, Liza, Gillings School of Global Public Health

June 2012

Role of the Tissue Factor/FVIIa-PAR-2 Pathway in Obesity
$5-50K Awards cont.

**Margolis, David**, School of Medicine
**Melander, Christian**, North Carolina State University
October 2011
Targeted Nanocrystal Platforms to Attack Persistent HIV Genomes

**Markovic-Plese, Silva**, School of Medicine
**Wan, Yisong**, School of Medicine
January 2014
The Role of IL-11 in the Development of the Autoimmune Response in EAE

**McElligott, Zoe**, School of Medicine
**Thomas, James**, RTI International
April 2014
Neurotensin receptor 2 signaling and role in alcohol reinforcement

**Mendez, Michelle**, Gillings School of Global Public Health
September 2014
Role of Phthalates and Vitamin E in Risk of Diabetes

**Meyer, Katie**, Gillings School of Global Public Health
August 2016
Functional Measures of Gut Microbiota for Cardiometabolic Risk in Type 1 Diabetes

**Miller, C. Ryan**, School of Medicine
**Jang, Chuan-Wei**, School of Medicine
December 2016
The role of histone H3.3 mutations in pediatric gliomagenesis

**Miller, Ryan**, School of Medicine
January 2014
The Role of PIK3CA Mutations in Gliomagenesis and PI3K Inhibitor Sensitivity

**Ming, Xin**, Eshelman School of Pharmacy
October 2011
Targeted Delivery of RNAi Therapeutics for Chronic Kidney Diseases

**Muganda, Perpetua**, College of Arts & Sciences, N.C. A&T State University

**Harrison, Scott**, College of Arts & Sciences, N.C. A&T State University

**KC, Dukka**, College of Engineering, N.C. A&T State University

**Prins, Jan**, College of Arts & Sciences
April 2014
Role of Viral Factors in Triple-Negative Breast Cancer Pathogenesis

**Murray, Desiree**, School of Education
**Ridenour, Ty**, RTI International
April 2018
Feasibility of Evaluating Biopsychosocial Indicators of Stress Reactivity in At-Risk Adolescents to Inform Self-Regulation Interventions

**Nackley, Andreay**, School of Dentistry / School of Medicine

**Johnson, Leah**, RTI International
September 2014
Extended Release Local Anesthetics for the Treatment of Dental Pain

**Neher, Saskia**, School of Medicine
December 2017
Improved Variants of Lipoprotein Lipase for the Treatment of Hypertriglyceridemia

**Noah, Terry**, School of Medicine
June 2012
Body Mass Index and Influenza Vaccine Responses in Children

**Nordone, Shila**, North Carolina State University
**Randell, Scott**, School of Medicine
March 2012
MARCKS Inhibition as a Novel Treatment for Acute Lung Injury and Acute Respiratory Distress Syndrome

**Nyante, Sarah**, School of Medicine
January 2016
Expression of breast extracellular matrix proteins in lobular carcinoma in situ: a pilot study

**Okoniewski, Katherine**, RTI International
**Hazlett, Heather**, School of Medicine
April 2018
Piloting remote developmental assessment techniques in infants with FMR1 premutation
$5-50K Awards cont.

Ostrowski, Lawrence, School of Medicine
October 2011
Development of a New Technology for High Throughput Screening of Drugs to Improve Mucociliary Clearance in Airway Diseases

Park, Eliza, School of Medicine
Hanson, Laura, School of Medicine
Mayer, Deborah, School of Medicine; School of Nursing
Rosenstein, Donald, School of Medicine
October 2012
Palliative and Supportive Care Needs of Parents with Metastatic Cancer: A Mixed-Methods Pilot Study

Pattenden, Samantha, Eshelman School of Pharmacy
Davis, Ian, School of Medicine
Dayton, Paul, School of Medicine
December 2016
The application of Enhanced Cavitation to enable Chromatin Extraction from Archived Tissues

Pecot, Chad, School of Medicine
December 2018
Circle RNA drivers of metastasis as biomarkers for lung cancer

Plummer, Prudence, School of Medicine
August 2018
Development of a discharge risk assessment for future falls and inactivity in subacute stroke

Porges, Stephen, School of Medicine
Raspa, Melissa, RTI International
August 2015
Psychometric evaluation of the BBC Sensory Scales for the assessment of sensory-perceptual abnormalities in individuals with Fragile X Syndrome

Ramos, Silvia, School of Medicine
October 2011
Unexplained Human Female Infertility: Three Potential Genes Associated with Failed Implantation

Ramsey, J. Michael, College of Arts & Sciences
Buse, John, School of Medicine
March 2012
Development of Simple and Inexpensive Point-of-Care Technology for Blood Glucose Measurement

Rathmell, W. Kimryn, School of Medicine
Chong, Wui, School of Medicine
June 2012
Non-Invasive Assessment of Renal Masses in Renal Insufficiency

Ratto, Shivani, RTI International
Fine, Jason, Gillings School of Global Public Health
December 2018
Improving Cardiovascular Risk Prediction in Women

Reeder-Hayes, Katherine, School of Medicine
Dusetzina, Staci, School of Medicine
April 2014
Comparative Effectiveness of Trastuzumab-Based Chemotherapy Regimens for Early Stage Breast Cancer

Ribeiro, Carla, School of Medicine
Hull-Ryde, Emily, Eshelman School of Pharmacy
October 2012
IRE1- Kinase, a Novel Target for Mucin Production in Cystic Fibrosis, COPD and Asthma Patients

Ridenour, Ty, RTI International
Coyne-Beasley, Tamera, School of Medicine
April 2015
Developing a Screening, Brief Intervention and Referral to Treatment Program for NC Pediatricians to Prevent Risky Behavior

Robinson, Donita, School of Medicine
Shih, Yen-Yu, School of Medicine
January 2015
Contribution of orbitofrontal output to brain connectivity in alcohol-exposed rats

Sanders, Anne, School of Dentistry
January 2016
The course of temporomandibular pain in response to mandibular advancement therapy among adults with temporomandibular disorder and obstructive sleep apnea

Sanders, Anne, School of Dentistry
December 2017
Omega-6 and omega-3 polyunsaturated fatty acids and chronic pain

Santos, Hudson, School of Nursing
Nephew, Benjamin, Tufts University
May 2016
Postpartum Depressive Symptoms in Latinas: Associations with Oxytocin Function and Stressors
Santelli, Rebecca, School of Medicine  
Coe, Christopher, University of Wisconsin-Madison  
January 2015  
Developing a Nonhuman Primate Model of Prenatal SSRI Exposure

Sayed, Christopher, School of Medicine  
August 2018  
Identification of genetic signatures of hidradenitis suppurativa

Schilling, Samantha, School of Medicine  
Zolotor, Adam, School of Medicine  
Perreira, Krista, School of Medicine  
Fine, Jason, Gillings School of Global Public Health  
August 2018  
Child Adult Relationship Enhancement for Spanish-Speaking Immigrant Families in Primary Care: Cultural Adaptation and Pilot

Sesma, Juliana, School of Medicine  
April 2015  
Effectiveness of a P2Y14 Receptor Antagonist in Inhibiting Neutrophil Inflammation in Chronic Lung Diseases

Shaikh, Saame, School of Medicine, East Carolina University  
Beck, Melinda, Gillings School of Global Public Health  
August 2013  
Developing n-3 Fatty Acids for Enhancing Immunity in the Obese Upon Viral Infection

Shears, Jeffrey, North Carolina A&T State University  
January 2015  
Assessing the Role and Impact of African American Fathers on their Sons' Sexual Behaviors

Shih, Yen-Yu, School of Medicine  
September 2014  
Dynamic MRI of tPA-induced Peri-infract Spreading Depolarizations: Outcome Correlates and Potential Therapy

Sikich, Linmarie, School of Medicine  
January 2014  
Initial Development of Cortical Metrics, an Objective, Physiologically-Based Outcome Measure, for Intervention Trials in Autism Spectrum Disorders

Sklerov, Miriam, School of Medicine  
December 2018  
Functional and Structural Neuroimaging as A Marker of Autonomic Dysfunction in Parkinson's Disease

Smithies, Oliver, School of Medicine  
June 2012  
Localization of Immune Complex Deposition in the Renal Glomerulus

Stein, Jason, School of Medicine  
December 2016  
Defining the regulatory landscape of developing human neural cell-types

Steiner, Beat, School of Medicine  
December 2017  
Evaluation of a Novel Behavioral Health Home with Comprehensive Primary Care for People with Serious Mental Illness

Sturmer, Til, Gillings School of Global Public Health  
June 2012  
Analysis of the Relationship between the Use of Incretin-based Therapies and Cancer Incidence

Soundara Manickam, Devika, Eshelman School of Pharmacy  
Milligan, Carolanne, School of Medicine, Wake Forest Baptist Health  
August 2013  
Nano-Antioxidant Therapy for Amyotrophic Lateral Sclerosis

Swick, Andrew, Gillings School of Global Public Health  
Brouwer, Cory, University of North Carolina, Charlotte  
October 2011  
MR Compatible Multifrequency Focused Ultrasound

Taillie, Lindsey Smith, Gillings School of Global Public Health  
December 2018  
Feasibility of a new food store model to test the impact of obesity prevention policies among Latino mothers

Tarran, Robert, School of Medicine  
Arendshorst, William, School of Medicine  
October 2012  
SPLUNC1: A Novel Regulator of Renal Sodium Excretion
$5-50K Awards cont.

**Taylor, Joan**, School of Medicine
Mack, Christopher, School of Medicine
Viera, Anthony, School of Medicine
August 2013
Role of the Rho-GAP GRAF3 in the Pathogenesis of Human Hypertension

**Thakker, Dhiren**, Eshleman School of Pharmacy
June 2012
Role of Transporters in the Efficacy of Metformin in Breast Cancer

**Thorp, John**, School of Medicine & Gillings School of Global Public Health
Peragallo, Rachel, School of Medicine
October 2011
My Heart Belongs to Baby, Phase 1

**van Duin, David**, School of Medicine
April 2014
Mortality and Multi-Drug Resistant Organisms in Burn Patients

**Viera, Anthony**, School of Medicine
January 2014
Comparative Effectiveness of Ambulatory Blood Pressure Monitoring vs Usual Care for Diagnosing and Managing Hypertension: A Pilot Study

**Vora, Neeta**, School of Medicine
April 2014
A Window Into Fetal Genetic Mutations by Whole Exome Sequencing

**Walker, Glenn**, School of Medicine
Ligler, Frances, College of Engineering, NC State U.
Yeh, Jen Jen, School of Medicine
April 2014
Development of a Point-of-Surgery Parathyroid Hormone Monitor

**Walter, Rick**, School of Dentistry
Piascik, Jeff, RTI International
April 2014
Development of a novel antimicrobial dental composite

**Wang, Andrew**, School of Medicine
Dees, Elizabeth Claire, School of Medicine
October 2012
Preclinical Evaluation of Nanoparticle Paclitaxel (Genexol-PM) in Chemoradiotherapy

**Weinhold, Paul**, School of Medicine
Harrysson, Ola, Industrial & Systems Engineering, NC State University
Marcellin-Little, Dennis, Orthopaedic Surgery, NC State University
October 2012
Low Magnitude High Frequency Vibration to Accelerate Rehabilitation of Osseointegrated Prostheses

**Wheeler, Anne**, RTI International / School of Education
Fan, Zheng (Jane), School of Medicine
September 2014
Pilot Study of Characterizing EEG Biomarkers of Brain Oscillation During Cognitive Tasks in Individuals with Fragile X Syndrome

**Wheeler, Anne**, School of Education / RTI International
LaForett, Dore, Frank Porter Graham Child Development Institute
August 2016
Integrating the Language Environment Analysis (LENA) system in Early Intervention to Support Mothers of Infants and Toddlers with Disabilities

**Widman, Laura**, College of Humanities & Social Sciences, NC State University
Prinstein, Mitch, Psychology & Neuroscience
December 2018
Opioid Prevention among Adolescents in Rural North Carolina

**Willoughby, Michael**, RTI International
Propper, Cathi, Center for Developmental Science
August 2015
Integrating respiratory sinus arrhythmia into the assessment of executive function in young children

**Wilson, Ellen**, RTI International
Thorp, John, School of Medicine
December 2016
Formative Research to Inform the Development of an Intervention to Support Postpartum Contraceptive Use

**Wiltshire, Timothy**, Eshelman School of Pharmacy
March 2012
Cellular Genetics Approaches to Defining Toxicity Pathways

**Wolberg, Alisa**, School of Medicine
January 2014
Factor XIII (FXIII) as a Novel Target for Reducing Venous Thrombosis (VT)
$5-50K Awards cont.

**Wu, Zhanhong**, School of Medicine
**Tisch, Roland**, School of Medicine
**Li, Zibo**, School of Medicine
May 2016
Development and Evaluation of 18F labeled Positron Emission Tomography (PET) Probe to Image Endocrine Pancreas

**Xiong, Yue**, School of Medicine
January 2015
Development of Assay for Screening Inhibitors of HIV Vpr Protein

**Yap, Pew-Thian**, School of Medicine
April 2014
Rapid High-Resolution Diffusion MR Imaging of Brain Microstructure

**Yang, Yang**, School of Medicine
**Miller, Ryan**, School of Medicine
August 2016
Validating Trans-Lesion Synthesis as a Novel Therapeutic Target in Glioblastoma

**Youngstrom, Eric**, College of Arts and Sciences
**Hodges, Eric**, School of Nursing
January 2015
Preliminary Randomized Trial of Amber Glasses to Improve Melatonin Release, Sleep, and Mood

**Zhang, Xin**, School of Medicine
August 2016
IL-11-Induced Th17 Cells in the Initiation and Development of MS Pathogenesis

**50K Award Winners**

**Aitsebaomo, Julius**, School of Medicine
November 2010
Recombinant Human Interleukin-11 in Mobilization of CD34+/VEGFR2+ Progenitor Cells

**Ammerman, Alice**, Gillings School of Global Public Health

**DeMarco, Molly**, UNC Center for Health Promotion and Disease Prevention
March 2010
Community Partners: Rev. William Kearney, Coley Springs Missionary Baptist Church, Warrenton, NC
Harvest of Hope: Health Benefits and Dissemination Potential of a Church Garden and Farm Project

**An, Hongyu**, School of Medicine
November 2010
Characterization of Brain White Matter Development Using High Resolution Magnetic Resonance Diffusion Tensor Imaging with Histologic Confirmation

**Aucutt-Walter, Natalie**, School of Medicine
April 2009
Determination of Perihematomal Inflammation in Intracerebral Hemorrhage with TC-HMPAO Labeled Leukocytes

**Bae-Jump, Victoria**, School of Medicine
February 2011
Obesity, Metformin and Ovarian Cancer Pathogenesis

**Bateman, Ted**, School of Medicine
March 2010
Radiotherapy-Induced Osteoporosis: Modeling Postmenopausal Estrogen Suppression and Treatment with Pamidronate

**Berg, Jonathan**, School of Medicine
March 2010
Harnessing the Power of Next-Generation Sequencing to Identify Novel Disease Genes

**Boetigger, Charlotte**, College of Arts & Sciences
November 2009
Neurocognitive Predictors of Naltrexone Response

**Brittain, Julia**, School of Medicine
**Derebail, Vimal**, School of Medicine
November 2010
Cellular Aggregates in Patients with Chronic Kidney Disease and End Stage Kidney Disease

**Bulik, Cynthia**, School of Medicine; Gillings School of Global Public Health
November 2009
Biomarker Discovery in Anorexia Nervosa
Carlson, Barbara, School of Nursing
November 2009
Patterns of Cerebral Oxygenation During Sleep and Their Relationship to Markers of Hypoxic Burden and Brain Connectivity in Community Dwelling Older Adults: A Pilot Study

Carroll, Ian, School of Medicine
March 2010
Validating Methods and Refining Protocols for the Molecular Investigation of the Intestinal Microbiota in Functional Gastrointestinal Disorders Using Irritable Bowel Syndrome as a Model

Chapman, Mimi, School of Social Work
June 2010
Puentes: Bridging Education and Mental Health for New Immigrant Latino Youth

Chera, Bhishamjit, School of Medicine
Garg, Seema, School of Medicine
June 2010
Changes in Regional Retinal Oxygen Extraction and Function After Radiation Therapy

Clemmons, David, School of Medicine
April 2009
Development of a Small Molecule Inhibitor of Adipocyte Differentiation

Davenport, Marsha, School of Medicine
November 2009
Correlation of Brain Structure and Neurodevelopment Functioning in 12 Month Old Girls with Turner Syndrome

Davis, Stephanie, School of Medicine
April 2009
Validation of the Multiple Breath Washout Device for Assessment of Pediatric Lung Disease

DeMore, Nancy, School of Medicine
April 2009
Development of a Monoclonal Antibody to SFRP2 for the Treatment of Breast Cancer

Donahue, Katrina, School of Medicine
November 2009
Community Partners: Mary Davis, providers and staff, Cashie Medical Center, Windsor, NC & East Carolina University, Department of Family Medicine, Greenville, NC Dissemination of Teleretinal Imaging to Limit Disparities in Diabetic Retinopathy in Rural North Carolina

Dumond, Julie, Eshelman School of Pharmacy
March 2010
Extracellular and Intracellular Atripla (Tenofovir/Emtricitabine/Efavirenz) Pharmacokinetics in the Aging HIV-Infected Population

Ebert, Charles, School of Medicine
Zanation, Adam, School of Medicine
November 2010
A Patient-Matched Analysis of Global Gene Expression Profiling in Allergic Fungal Sinusitis

Egan, Thomas, School of Medicine
November 2010
Medical and Mental Health Needs of Military Service Members and Families Receiving Care at UNC Hospitals

Esther, Charles, School of Medicine
November 2010
Exhaled Breath Condensate Biomarkers in Preschool Children

Fan, Zheng (Jane), School of Medicine
June 2011
Automated Atlas-Based Muscle MRI Quantification in Duchenne Muscular Dystrophy Patients

Frazier-Bowers, Sylvia, School of Dentistry
April 2009
Determining a Genotype-Phenotype Correlation in Ectodermal Dysplasias and Non-Syndromic Tooth Agenesis

Frelinger, Jeffrey, School of Medicine
April 2009
Transfer of Type I Diabetes to Humanized Mice
$50K Awards cont.

**Gallippi, Caterina**, School of Medicine
November 2009
ARFI Ultrasound for Noninvasive, In Vivo Assessment of Renal Transplant

**Gerber, David**, School of Medicine
March 2010
Novel Small Molecule Inducers to Promote Pancreatic Beta Cell Regeneration

**Gershon, Timothy**, School of Medicine
November 2010
Interferon Signaling: A Driving Force in Brain Growth and Novel Target for Medulloblastoma

**Giovanello, Kelly**, College of Arts & Sciences
February 2011
Large-Scale Functional Brain Network Abnormalities in Mild Cognitive Impairment

**Glickman, Seth**, School of Medicine
November 2009
Clinico-Molecular Prognostic Factors for Severity of Seasonal and H1N1 (Swine) Influenza Infection

**Gookin, Jody**, North Carolina State University
November 2010
Systems Level Metabolomics Investigation of the Bacterial Influences on Necrotizing Enterocolitis

**Graves, Lee**, School of Medicine
June 2010
Multi-Color Detection of Protein Kinases in Drug-Resistant Leukemia

**Henderson, Louise**, School of Medicine
November 2010
Development and Validation of a Prediction Model to Identify and Classify Disability Status

**Hua, Xiaoyang**, School of Medicine
November 2009
Role of Mast Cells in Chronic Rhinosinusitis

**Janzen, William**, Eshelman School of Pharmacy
Rathmell, W. Kimryn, School of Medicine
April 2009
ROR2 Discovery-to-Bedside

**Jiang, Xiaoning**, North Carolina State University
Lin, Weili, School of Medicine
June 2011
MR Compatible Multifrequency Focused Ultrasound

**Joy, Melanie**, School of Medicine
McCord, Marian, School of Medicine
June 2010
Development of Novel Filtration Technologies for End Stage Kidney Disease

**Juliano, Jonathan**, School of Medicine
April 2009
Massively Parallel Pyrosequencing to Define the Diversity of Malaria in Vaccine Trials

**Kaufman, David**, School of Medicine
April 2009
Identification of Immunohistochemical Marker to Improve Pathological Diagnosis of Endometrial Intraepithelial Neoplasia

**Knowles, Michael**, School of Medicine
April 2009
Test New Drug (PTC124) to “Read-Through” Nonsense (STOP) Mutations and Correct Ciliary Function in Primary Ciliary Dyskinesia (PCD)

**Kohn, Harold**, Eshelman School of Pharmacy
November 2010
Translating Neurological Agents of Significance to Therapeutic Agents

**Kotch, Jonathan**, Gillings School of Global Public Health
April 2009
Brain Function and Stress Reactivity in Trauma-Exposed Young Adults

**Lee, Clara**, School of Medicine
February 2011
Affective Forecasting Errors in Patient Decisions about Breast Reconstruction After Mastectomy

**Li, Chengwen**, School of Medicine
**Gray, Steven**, Gene Therapy Center
June 2011
Intracisternal AAV Vector Administration in Non-Human Primates to Achieve Global Central Nervous System Gene Transfer and Avoid Pre-Existing Anti-AAV Neutralizing Antibodies
$50K Awards cont.

Lin, Weili, School of Medicine; Eshelman School of Pharmacy
April 2009
The Emergency of Brain Functional and Anatomical Networks in the Developing Brain

Longobardi, Lara, School of Medicine
November 2010
Inflammatory Cytokines and Joint Progenitor Cells: From Development to Osteoarthritis

Lu, Xiuling, Eshelman School of Pharmacy
June 2010
Neutron-Activatable Nanoparticles for Targeted Radionuclide Therapy of Tumors

Magness, Scott, School of Medicine
Piedrahita, Jorge, North Carolina State University
June 2011
Bridging the Divide Between Mouse and Man: Creating a Transformative Model as a Gateway for Intestinal Epithelial Stem Cell-Based Discovery, Therapy and Transplantation

Margolis, David, School of Medicine
April 2009
Testing HIV Prevention in a Humanized Mouse Model

Mayer-Davis, Elizabeth, Gillings School of Global Public Health
April 2009
Pilot Study of a Cell-Phone System to Improve Health of Youth with Diabetes

McLean, Samuel, School of Medicine
March 2010
The Women’s Health Study

Meltzer-Brody, Samantha, School of Medicine
Stuebe, Alison, School of Medicine
November 2009
Neuroendocrine Pathophysiology in Postpartum Depression and Lactation Failure

Meshnick, Steven, Gillings School of Global Public Health

Apperson, Charles, North Carolina State University
February 2011
Comparative Studies of the Tick Microbiome

Monahan, Paul, School of Medicine
April 2009
Chronic Arthropathy in Hemophilia: MRI Evaluation of Joints in Hemophilic Dogs

Moore, Carlton, School of Medicine
Ashkin, Evan, School of Medicine
June 2011
Using Text Analytics to Extract Structured Data from Free-Text Narrative Reports in the CDW-H

Nachman, Patrick, School of Medicine
April 2009
Cognitive Impairment in End Stage Kidney Disease

Nackley Neely, Andrea, School of Dentistry
November 2009
Characterizing the Role of a Newly Identified u1OR Isoform in Opioid-induced Behavioral Phenotypes

Naparvnik, Sonia, School of Medicine
April 2009
Investigation of Cardiovascular Disease Outcomes Among Patients with HIV

Noah, Terry, School of Medicine
June 2010
Pilot Study of the Association Between Substance P and ALI/ARDS in Burn Patients

Otey, Carol, School of Medicine
March 2010
Identifying Serum Markers of Pancreas Cancer Using Metabolomics

Parise, Leslie, School of Medicine
April 2009
Relationship of Multicellular Aggregates to Clinical Status of Patients with Sickle Cell Disease

Patterson, Cam, School of Medicine
November 2009
Familial Mitral Valve Prolapse Study

Pedersen, Cort, School of Medicine
November 2009
Oxytocin Treatment of Alcohol Withdrawal

Philpot, Benjamin, School of Medicine
June 2010
A Small Molecule Approach for Treating Autism Spectrum Disorders
$50K Awards cont.

**Piven, Joseph**, School of Medicine  
February 2011  
Autism in Older Adults: A Pilot, Descriptive Study

**Redding-Lallinger, Rupa**, School of Medicine  
March 2010  
The Role of the Vitamin D Receptor and Vitamin D Deficiency in Children and Adults with Sickle Cell Disease – Phase I

**Ringel, Yehuda**, School of Medicine  
March 2010  
Food Sensitivity, Gastrointestinal Symptoms and Food-Specific IgG4 Antibody Titers in Patients with Irritable Bowel Syndrome – A Pilot Study

**Riordan, John**, School of Medicine  
June 2011  
Development of a Screening Assay for Small Molecules Stabilizing Mutant CFTR in Cystic Fibrosis

**Roth, Heidi**, School of Medicine  
November 2009  
Development of a Kinetographic Mattress for Home Measurement of Insomnia

**Sawicki, Gregory**, School of Medicine  
June 2010  
Robotic Ankle Exoskeletons to Restore Gait Symmetry Post-Stroke

**Schoenfisch, Mark**, College of Arts & Sciences  
June 2010  
Evaluating Nitric Oxide's Role as a Sepsis Biomarker

**Shores, Carol**, School of Medicine  
March 2010  
Comorbid Infections and Cancer in Malawi

**Siderovski, David**, School of Medicine  
**Tarrant, Teresa**, School of Medicine  
June 2011  
Validating GPSM3 as a Key Regulator of Monocyte-driven Inflammation in Rheumatoid Arthritis

**Su, Maureen**, School of Medicine  
June 2010  
Mapping the Autoimmunity Defect in Turner Syndrome

**Tarrant, Teresa**, School of Medicine  
April 2009  
Targeted Kinase Inhibition of GRK3 as a Novel Immunosuppressant Strategy for Inflammation and Transplantation

**Thomas, Rusty**, The Hamner Institutes for Health Sciences

**Watkins, Paul**, Gillings School of Global Public Health; Eshelman School of Pharmacy  
April 2009  
Liver Derived mRNA in Plasma During Drug Induced Liver Injury in Rats and Man

**Verbiest, Sarah**, School of Medicine  
**Berry, Diane**, School of Nursing  
November 2010  
Reducing the Risk of Chronic Disease: A Group-Based Weight Loss Program for Postpartum Mothers

**Vilen, Barbara**, School of Medicine  
March 2010  
Human B Cell Tolerance and its Dysregulation in Systemic Lupus Erythematosus

**Watkins, Paul**, Eshelman School of Pharmacy  
March 2010  
Developing Small Molecule Inhibitors of IKKe and/or TBK1 for Cancer Treatment

**Williams, Sharon**, School of Medicine  
April 2009  
A Tri-Racial Examination of Family Caregivers of Stroke Survivors

**Yuan, Hong**, School of Medicine  
November 2009  
Imaging Brain Tumor Hypoxia Using (64)Cu-ATSM Positron Emission Tomography
**$50K Awards cont.**

**Zhang, Yi**, School of Medicine  
April 2009  
Generation and Characterization of Patient Specific iPS Cells for Beta-Cell Replacement Therapy for Type 1 Diabetes

**Zhou, Otto**, College of Arts & Sciences  
April 2009  
Nanotechnology Enabled Compact Microbeam Radiation Therapy System for Cancer Treatment and Research

**PLANNING GRANT AWARD WINNERS**

**Hussong, Andrea**, College of Arts & Sciences  
April 2018  
Translating Developmental Science into Prevention Programs: Targeting Early Emerging Risk for Addiction  
**Jordan, Joanne**, Dept. of Medicine; Orthopaedics; Thurston Arthritis Research Center, School of Medicine  
**Marshall, Steven**, Epidemiology, Gillings School of Global Public Health; Injury Prevention Research Center  
**Spang, Jeffrey**, Orthopaedics, School of Medicine  
May 2013  
Biomarker and Biomechanical Predictors of Osteoarthritis in ACL-Injured Patients

**Key, Nigel**, School of Medicine  
January 2010  
UNC U54 Application for Translational Research Centers in Thrombotic and Hemostatic Disorders (TRC-THD)

**Lieb, Jason**, College of Arts & Sciences  
**Davis, Ian**, School of Medicine  
**Evans, James**, School of Medicine  
April 2010  
The UNC Comprehensive Individual Molecular Atlas Project

**Mackman, Nigel**, School of Medicine  
**Ataga, Kenneth**, School of Medicine  
March 2012  
Targeted Anticoagulant Therapy for Sickle Cell Disease

**Mackman, Nigel**, School of Medicine  
**Cooley, Brian**, School of Medicine  
January 2015  
Mechanisms and Targets in Immunothrombosis

**Parise, Leslie**, School of Medicine  
March 2011  
Planning Grant for Sickle Cell Disease PPG

**Ting, Jenny**, School of Medicine  
Sparling, Philip, School of Medicine  
July 2012  
Nanoparticles in the Delivery of Adjuvants and Vaccines

**Watkins, Paul**, School of Medicine  
May 2009  
Discovery of Clinical Biomarkers for Drug-Induced Liver Injury

**MULTI-CTSA AWARD WINNERS**

**Campbell, Sharon**, School of Medicine  
**Sklar, Larry**, University of New Mexico  
August 2016  
Multiplex Repurposing Screen of Oncogenic KRas Mutants

**Jenkins, Carolyn**, Dept. of Nursing, Medical University of South Carolina  
**Cykert, Samuel**, Dept. of Medicine  
July 2014  
Transforming Patient-Centered Medical Homes into Medical Communities for Underserved Rural Patients

**Corbie-Smith, Giselle**, Dept. of Medicine, School of Medicine, UNC-Chapel Hill  
**Brown, Arleen**, Internal Medicine, School of Medicine, UCLA  
**Burke, Jessica Griffin**, Behavioral and Community Health Sciences, School of Public Health, U. of Pittsburgh  
**Cheney, Ann**, Health Services Research, Psychiatric Research Institute, U. of Arkansas Medical Sciences  
**Cottler, Linda**, Epidemiology, College of Medicine and College of Public Health and Health Professions, University of Florida  
August 2013  
Exploring Trust in Community-Academic Research Partnerships via Concept Mapping

**Halladay, Jacqueline**, School of Medicine  
**Rhyne, Robert**, University of New Mexico  
**Greiner, Allen**, University of Kansas Medical Center  
**Salt, Elizabeth**, University of Kentucky  
June 2018  
Treating Pain with Acceptance and Commitment Therapy Trial (T-PACT Trial)
Perrin, Eliana, Pediatrics, School of Medicine; Center for Health Promotion and Disease Prevention, UNC-Chapel Hill

Rothman, Russell, Pediatrics; Vanderbilt Center for Health Services Research, School of Medicine, Vanderbilt University

Yin, H. Shonna, Pediatrics, School of Medicine, New York University

May 2013
Rigorous Dietary Assessment in Two Year Old Children Following an RCT Obesity Prevention Trial

Rhoney, Denise, Eshelman School of Pharmacy, UNC-Chapel Hill

Hatton, Jimmi, College of Pharmacy, U. of Kentucky

February 2015
Optimizing drug doses to improve outcomes of critically ill patients

Stuebe, Alison, OB/GYN, School of Medicine, UNC-Chapel Hill

Biggio, Joseph, OB/GYN, School of Medicine, University of Alabama, Birmingham

Saade, George, OB/GYN, School of Medicine, University of Texas Medical Branch, Galveston

Tita, Alan, OB/GYN, School of Medicine, University of Alabama, Birmingham

Varner, Michael, OB/GYN, School of Medicine, University of Utah Health Sciences

Wapner, Ronald, OB/GYN, Columbia University Medical Center

July 2013
National Perinatal Research Collaborative: Registry for Adverse Rare Events (RARE)

Hackett, Michael, Eshelman School of Pharmacy

March 2011
Novolipid

Jay, Michael, School of Medicine & Eshelman School of Pharmacy

Mumper, Russ, School of Medicine & Eshelman School of Pharmacy

June 2010
Capture Pharmaceuticals

Katz, Laurence, School of Medicine

June 2010
Hibernaid

Ko, Ching-Chang, School of Dentistry

Fjeld, Jon, Duke University

December 2010
Ironwood Material Science

Kohn, Harold, Eshelman School of Pharmacy

June 2011
NeuroGate

Martin, Tim, School of Medicine

September 2011
Augment Medical

Sharpless, Norman, School of Medicine

March 2010
G-Zero

Sims, Chris, College of Arts & Sciences

December 2010
Cell Microsystems

COMMERCIALIZATION

Demore, Nancy, School of Medicine

March 2010
Enci Therapeutics

Egan, Thomas, School of Medicine

June 2010
X-In8

Gerber, David, School of Medicine

June 2011
LotusBioEFx

Goyal, Anil, Eshelman School of Pharmacy

June 2011
Qualiber

FastTraCS GRANTS

Bergmeier, Wolfgang, School of Medicine

Runyon, Scott, RTI International

April 2015
High-throughput Screening for Inhibitors of CalDAG-GEF1-mediated Rap1 Activation

Braunstein, Miriam, School of Medicine

Hickey, Anthony, RTI International

April 2015
Development of Aerosol Delivered Pyrazinoic Acid Esters as a Novel Therapy for Treating Tuberculosis
Chavala, Sai, School of Medicine
September 2014
Cell Based Therapy for the Treatment of Atrophic Macular Degeneration

Christian, Robert, School of Medicine
Grego, Sonia, RTI International
January 2015
Wearable sensor for behavioral outcome measurements in Intellectual and Developmental Disabilities

Dayton, Paul, School of Medicine
Yun, Yeohueung, North Carolina A&T State University
January 2015
Ultrasonically-Activatable Contrast Agents for Early Detection and Treatment of Pancreatic Cancer

Desai, Salil, North Carolina A&T State University
Chang, Sha, School of Medicine
April 2015
Design and Manufacturing of High Precision Recyclable Radiation Modulation Devices for Radiation Therapy

Dorsey, Kathleen, Gillings School of Global Public Health
Thomas, Nancy, School of Medicine
May 2016
Advanced Development Of A Methylation-based Diagnostic Test For Melanoma

Grego, Sonia, RTI International
Yun, Yeohueung, North Carolina A&T State University
January 2015
Stretchable MicroElectrode Array for In Vitro Cardiotoxicity Screening

Gu, Zhen, School of Medicine
Buse, John, School of Medicine
January 2016
Development of Microneedle-Array Patch for Fast Glucose-Responsive Insulin Delivery

Hackman, Trevor, School of Medicine
Chera, Bhishamjit, School of Medicine
August 2018
Towards individualized cancer therapy in head and neck oncology: Using tumor genetics to predict patient outcomes and guide therapy

Harris, Danni, RTI International
Moy, Sheryl, School of Medicine
January 2015
Novel Autism Therapeutics

Hingtgen, Shawn, Eshelman School of Pharmacy
September 2014
Neural Stem Cell Mediated Brain Tumor Therapy: Increased Efficacy with Electrospun Nanofiber Scaffolds

Kabanov, Alexander, Eshelman School of Pharmacy
Tropsha, Alexander, Eshelman School of Pharmacy
September 2014
delAQUA – Computer-Assisted Drug Solubilization Platform

Knight, O’Rese, School of Medicine
Hubbard, Devin, School of Medicine
Ziebarth, Noel, University of Miami
September 2016
Design of Atomic Force Microscopy Based Intraocular Pressure Assessment Instruments: Phase I

Kreda, Silvia, School of Medicine
Navarro, Hernan, RTI International
September 2014
Mucin Secretion Inhibitors for Lung Disease Therapeutics

Lawrence, David, Eshelman School of Pharmacy
Tarrant, Teresa, School of Medicine
April 2015
A New Technology for the Targeted Delivery of Anti-Inflammatory Agents

Liu, Jian, Eshelman School of Pharmacy
Thakur, Sheetal, RTI International
September 2014
Pharmacological and Toxicological Analysis of Synthetic Low-Molecular Weight Heparin in Primates

Liu, Rihe, Eshelman School of Pharmacy
August 2015
Integrative immunotherapeutic platform for simultaneous targeting cancer cells and activating T cells

Parise, Leslie, School of Medicine
Kireev, Dmitri, Eshelman School of Pharmacy
September 2014
Targeting CIB1 in Triple Negative Breast Cancer

Risselada, Marije, North Carolina State University
Sokolksy-Papkov, Marina, Eshelman School of Pharmacy
September 2016
Theranostic Implantable Dual Sustained Release (IDSR) Chemotherapeutic Formulation of Carboplatin with Cell Specific Targeting for Treatment of Residual Tumors and Nodal Metastatic Spread in Melanoma
Strachan, Ryan, School of Medicine  
August 2018  
ADSoRB: a novel in vitro drug screening platform for rapid isolation of lead compounds from complex ligand libraries

Weinhold, Paul, School of Medicine  
December 2017  
Angiogenic Suture for Stimulation of Tendon Healing

Wheeler, Anne, RTI International  
Mankowski, Jean, School of Medicine  
May 2016  
Clinical Testing of a Real-Time Behavior Measurement Tool: Measuring Outcomes for CHAnge (MOCHA)

Wolberg, Alisa, School of Medicine  
Blough, Bruce, RTI International  
August 2015  
Targeting the FXIII-Fibrinogen Interaction for Antithrombotic Therapy

Zhou, Otto, College of Arts and Sciences  
August 2018  
Development of a compact, low-dose and low-cost 3D orthopedic imaging device

**DISSEMINATION & IMPLEMENTATION (D&I) SCIENCE AWARDS**

Armoo, Diane, School of Medicine  
Smith, J. Keith, School of Medicine  
April 2014  
UNC Department of Radiology Community Research Partnership Project: A Pilot Study aimed at the Dissemination and Implementation of Best Practice Guidelines in Pediatric CT Scan Radiation Dose Reduction

Kneipp, Shawn, School of Nursing  
April 2014  
Applying a Novel, Simulation-Based Dissemination Approach to Increase EBI Adoption Interest

Reuland, Daniel, School of Medicine  
April 2014  
Using Deliberative Methods to Guide Implementation Strategies for Lung Cancer Screening

**DUKE/UNC-CHAPEL HILL CTSA CONSORTIUM COLLABORATIVE TRANSLATIONAL RESEARCH (T1/T2) PILOT GRANTS**

Asokan, Aravind, UNC School of Medicine  
Gersbach, Charles, Duke Pratt School of Engineering  
December 2014  
In Vivo Genome Editing with the CRISPR/Cas9 System Using Novel Muscle-Tropic AAV Vectors

Baldwin, Albert, UNC School of Medicine  
Lo, Donald, Duke School of Medicine  
December 2016  
3D brain tissue drug and diagnostics assay for targeting glioblastoma tumor heterogeneity

Dennis, Ann, UNC School of Medicine  
Okeke, Nwora, Duke School of Medicine  
December 2015  
Defining HIV Transmitted Drug Resistance Trends in North Carolina with Phylogenetics

Duncan, Joseph, UNC School of Medicine  
Macintyre, Andrew, Duke School of Medicine  
December 2018  
Cross-reactive N. gonorrhoeae immune responses induced by a N. meningitidis vaccine

Gentzsch, Martina, UNC School of Medicine  
Bowles, Dawn, Duke School of Medicine  
December 2014  
CFTR Therapeutics for Heart Disease: Repurposing Established Drugs and Identifying New Ones

Gonzalez, Daniel, UNC Eshelman School of Pharmacy  
Hornik, Christoph, Duke School of Medicine  
December 2014  
Sildenafil Exposure and Safety in Premature Infants

Mackman, Nigel, UNC School of Medicine  
Lee, Jaewoo, Duke School of Medicine  
December 2015  
Targeting the Intrinsic Pathway of Coagulation to Prevent Venous Thrombosis in Pancrea
Magness, Scott, UNC School of Medicine
Rawls, John, Duke School of Medicine
December 2014
High-throughput in vitro physiology for the human intestinal epithelium

Moody, James, Duke Trinity College of Arts & Sciences
Van Duin, David, UNC School of Medicine
December 2018
Network analysis of carbapenem resistance in Enterobacteriaceae

Raval, Jay, UNC School of Medicine
Welsby, Ian, Duke School of Medicine
December 2015
RBC Rejuvenation to Optimize Chronic Transfusion Therapy in Sickle Cell Disease

Roth, Bryan, UNC School of Medicine / Eshelman School of Pharmacy
Lefkowitz, Robert, Duke School of Medicine / Trinity College of Arts & Sciences
December 2015
Scalable in vitro technology for profiling GPCR signaling for novel drug discovery

Su, Lishan, UNC School of Medicine
Cullen, Bryan, Duke School of Medicine
December 2016
Using vector-delivered Cas9 to cure chronic hepatitis B virus

Vora, Neeta, School of Medicine
Davis, Erica, Duke University
December 2017
Genetic and Functional Dissection of Congenital Anomalies of the Kidney & Urinary Tract

NC TRACS TRIAD COMMUNITY-ACADEMIC PARTNERSHIP DEVELOPMENT “BRIDGING SCIENCE TO PRACTICE” GRANTS

Christian, Robert, School of Medicine
Earls, Marian, Guilford Child Health / NC Pediatric Society
February 2010
Community Partners: Carolina Institute for Developmental Disabilities, Greensboro TEACCH (Treatment and Education of Autistic and Related Communication-Handicapped Children) An Interdisciplinary Care Model for Pediatric Patients with Autism Spectrum Disorders: Implementation and Evaluation

Labbok, Miriam, School of Medicine
Smith, Paige Hall, UNC Greensboro / Center for Women's Health and Wellness
Cupito, Susan, YWCA, Greensboro
February 2010
Community Partners: YWCA of Greensboro, Carolina Breastfeeding Institute, Center for Women's Health and Wellness A UNC-UNCG-YWCA-Community Partnership for Women's and Children's Health

Leeman, Jennifer, School of Nursing
Smith, Mark, Guilford County Department of Health
February 2010
Community Partners: Guilford County Department of Public Health, Guilford County Healthy Carolinians Healthy Lifestyles Learning Cluster: Translating Data & Research into Action

Zolotor, Adam, School of Medicine
February 2010
Community Partners: Adolescent Pregnancy Prevention Campaign of North Carolina (APPCNC) Social Support for Pregnant and Parenting Teens Using Internet and Cell Technology

TRANSLATIONAL TEAM SCIENCE AWARDS (TTSA)

Burks, Wesley, School of Medicine
Pardo-Manuel de Villena, Fernando, School of Medicine
May 2018
Development and characterization of an improved translational model of peanut allergy
Burks, Wesley, School of Medicine
Pardo-Manuel de Villena, Fernando, School of Medicine
July 2017
Development and characterization of an improved translational model of peanut allergy

Burks, Wesley, School of Medicine
Pardo-Manuel de Villena, Fernando, School of Medicine
May 2016
Development and characterization of an improved translational model of peanut allergy

Calhoun, Ben, School of Medicine
Nyante, Sarah, School of Medicine
Troester, Melissa, Gillings School of Global Public Health; School of Medicine
June 2018
Integration of Molecular, Epidemiologic, and Histopathologic Markers for Risk Stratification of Benign Breast Disease

Darville, Toni, School of Medicine
Randell, Scott, School of Medicine
Nagarajan, Uma, School of Medicine
O’Connell, Catherine, School of Medicine
Wyrick, Pris, School of Medicine
January 2018
Primary human fallopian tube cell models for research on Chlamydia trachomatis - induced disease

Darville, Toni, School of Medicine
Randell, Scott, School of Medicine
Nagarajan, Uma, School of Medicine
O’Connell, Catherine, School of Medicine
Wyrick, Pris, School of Medicine
Kesimer, Mehmet, School of Medicine
December 2016
Primary human fallopian tube cell models for research on Chlamydia trachomatis - induced disease

Darville, Toni, School of Medicine
Randell, Scott, School of Medicine
Nagarajan, Uma, School of Medicine
O’Connell, Catherine, School of Medicine
Wyrick, Pris, School of Medicine
Kesimer, Mehmet, School of Medicine
Cox, Adrienne, School of Medicine
April 2015
Primary human fallopian tube cell models for research on Chlamydia trachomatis - induced disease

Davis, Rich, School of Medicine
Hirsch, Matthew, School of Medicine
Gilger, Brian, North Carolina State University
May 2018
Prevention of Cornea Graft Rejection using AAV Gene Therapy

Davis, Rich, School of Medicine
Hirsch, Matthew, School of Medicine
Gilger, Brian, North Carolina State University
July 2017
Prevention of Cornea Graft Rejection using AAV Gene Therapy

Davis, Rich, School of Medicine
Hirsch, Matthew, School of Medicine
Gilger, Brian, North Carolina State University
May 2016
Prevention of Cornea Graft Rejection using AAV Gene Therapy

Dellon, Evan, School of Medicine
Kulis, Michael, School of Medicine
Burks, Wesley, School of Medicine
Kulcs, Michael, School of Medicine
Vickery, Brian, School of Medicine
April 2016
A novel T-cell directed approach to dietary therapy in patients with eosinophilic esophagitis

Dellon, Evan, School of Medicine
Kulis, Michael, School of Medicine
Vickery, Brian, School of Medicine
August 2014
A novel T-cell directed approach to dietary therapy in patients with eosinophilic esophagitis

Faber, James, School of Medicine
Powers, William, School of Medicine
August 2014
GENEtic Determinants of Collateral Status in Stroke - The GENEDCSS Study

Gallagher, Kristalyn, School of Medicine
July 2017
Proteogenomic discovery of patient-specific, phenotypic markers for early diagnosis of invasive lobular carcinoma
Garbutt, James, School of Medicine
Tommerdahl, Mark, School of Medicine
Thiele, Todd, School of Medicine
Jordan, Robyn, School of Medicine
May 2016
Assessing Changes in the Brain Melanocortin System and Sensory Processing in Response to Alcohol to Advance our Understanding of the Pathophysiology and Psychopharmacology of Binge Drinking

Gerber, David, School of Medicine
Samulski, Richard, School of Medicine
August 2014
Patient-derived chimeric mouse models for studying liver disease

Gershon, Timothy, School of Medicine
Wilhelmsen, Kirk, School of Medicine
August 2018
Analyzing clonal diversity to improve risk stratification and therapy for medulloblastoma

Gordon-Larsen, Penny, Gillings School of Global Public Health
April 2015
Gut microbiome markers of cardiometabolic disease in transition to a Western diet

Jensen, Brian, School of Medicine
Johnson, Gary, School of Medicine
August 2014
Integrated profiling of the kinome and transcriptome to predict cardiotoxicity of kinase inhibitors

Loeser, Richard, School of Medicine
Lund, Pauline, School of Medicine
April 2015
The Role of the Microbiome in Osteoarthritis

Park, Steven, School of Medicine
Richards, Kristy, School of Medicine
August 2014
Disrupting EBV lymphomagenesis as a novel strategy for the treatment of human and canine lymphoma

Pylayeva-Gupta, Yuliya, School of Medicine
Dayton, Paul, School of Medicine
McRee, Autumn, School of Medicine
April 2018
Revitalization of anti-tumor immune responses using image-guided sonoporation in pancreatic cancer

Shaikh, Raza, Gillings School of Global Public Health
Beck, Melinda, Gillings School of Global Public Health
Farrell, Timothy, School of Medicine
April 2018
Mechanisms by which gastric-bypass surgery improves lymphocyte immunometabolism

Sylvester, Francisco, School of Medicine
Carroll, Ian, School of Medicine
Truong, Kinh, Gillings School of Global Public Health
April 2015
Effects of a dysbiotic intestinal microbiome present in Crohn disease on skeletal health and linear growth

IMPROVING HUMAN HEALTH AWARDS

Button, Brian, School of Medicine
Boucher, Richard, School of Medicine
July 2015
Measurement of Mucus Properties as Biomarkers for CF/COPD
Chang, Emily, School of Medicine
Chong, Wui, School of Medicine
Dayton, Paul, School of Medicine
Rathmell, W. Kimryn, School of Medicine

July 2015
CEUS CKD (CEUS for Complex Kidney Lesion Diagnosis)

Swanstrom, Ronald, School of Medicine

May 2016
The Development of High-throughput Protocols for the Detection of HIV-I Drug Resistant Markers Using Primer ID and Next Generation Sequencing

Tully, Kristin, Gillings School of Global Public Health

August 2016
The Design and Development of Infant Side- Car Bassinets for the Postnatal Unit

Zhou, Otto, College of Arts and Sciences

January 2016
A low-dose and high-sensitivity 3D intraoral imaging device for improving oral health

CAROLINAS COLLABORATIVE

Anderson, Deverick, Duke University
Dusetzina, Stacie, UNC-Chapel Hill
Pajewski, Nicholas, Wake Forest University
Willis, Zachary, UNC-Chapel Hill

August 2017
Antibiotic prescribing in North Carolina before and after an FDA boxed warning on fluoroquinolones in 2016

Chung, Arlene, School of Medicine, UNC-Chapel Hill
Wagner, Lynne, School of Medicine, Wake Forest University
LeBlanc, Tom, School of Medicine, Duke University
Smeltzer, Phil, College of Medicine, Medical University of South Carolina

May 2016
Harmonization of Patient-Reported Outcomes Across Three CTSAs: Leveraging EHRs to Enable Comparative Effectiveness Research to Improve the Quality of Cancer Care

Clowse, Megan, Duke University
Oates, James, Medical University of South Carolina

August 2017
Pregnancies in women with Lupus in the Carolinas Collaborative (PLiCC) Cohort: Validation of computable phenotypes with existing Registries in order to study the role of socio-demographic disparities on pregnancies in women with lupus

Swanstrom, Ronald, School of Medicine

Urrutia, Rachel, School of Medicine, UNC-Chapel Hill

October 2018
Optimizing Postpartum Cardiovascular Care in Women with Hypertensive Disorders of Pregnancy

Goodwin, Andrew, College of Medicine, Medical University of South Carolina
Simpson, Annie, College of Health Professions, Medical University of South Carolina
Bice, Thomas, School of Medicine, UNC-Chapel Hill
Files, D. Clark, School of Medicine, Wake Forest University

Topaloglu, Umit, School of Medicine, Wake Forest University

October 2018
Development and validation of a multi-center ventilator dependent respiratory failure (VDRF) computable phenotype to facilitate lung protective ventilation research

Mehrotra, Abhishek, School of Medicine, UNC-Chapel Hill
Carr, Christine, College of Medicine, Medical University of South Carolina
Limkakeng, Alexander, School of Medicine, Duke University
Mahler, Simon, School of Medicine, Wake Forest University

May 2016
The HEART Pathway: a learning health system project, translating evidence to practice across the Carolinas

Ranapurwala, Shabbar, Gillings School of Global Public Health, UNC-Chapel Hill
Wu, Li-Tzy, School of Medicine, Duke University
Korte, Jeffrey, College of Medicine, Medical University of South Carolina
Wolfson, Mark, School of Medicine, Wake Forest University

October 2018
Measuring Opioid Use Disorders in Secondary Electronic Health Records Data
Tailor, Tina, School of Medicine, Duke University
Henderson, Louise, School of Medicine, UNC-Chapel Hill
Chiles, Caroline, School of Medicine, Wake Forest University
October 2018
Detection of Coronary Artery Calcification in the Lung Cancer Screening Population: Clinical Implications for Cardiovascular Risk Stratification and Statin Pharmacotherapy

2K STAKEHOLDER ENGAGEMENT VOUCHER

Bryant, Amy, School of Medicine
July 2016
Breastfeeding and Hormonal Contraception in the Postpartum Period: Supporting patient-centered counseling

Callahan, Leigh, School of Medicine
Allen, Kelli, School of Medicine
February 2018
Developing a Thurston Arthritis Research Center Stakeholder Advisory Board

Engel, Lawrence, Gillings School of Global Public Health
January 2019
Robeson County Environmental and Community Health Initiative (ECHI)

Fraga, Cynthia, School of Social Work
Van Deinse, Tonya, School of Social Work
June 2018
Engaging Stakeholders to Develop a Joint Vision and Research Agenda For Family Justice Centers and Intimate Partner Violence Co-location Agencies

Golightly, Yvonne, Gillings School of Global Public Health
Nelson, Amanda, School of Medicine
December 2017
Stakeholder Panel to Assist with Plans for New Enrollment of Population-Based Cohort in a North Carolina County

Halladay, Jacqueline, School of Medicine
Nielsen, Matthew, School of Medicine
June 2018
Right sizing post-operative prescribing for opioid naïve patients - A stakeholder guided and team-based approach to mitigating chronic opioid use

Hassmiller Lich, Kristen, Gillings School of Global Public Health
Cruden, Gracelyn, Gillings School of Global Public Health
April 2018
Group Model Building to Support Evidence-based Programs Selection to Prevent Child Maltreatment in North Carolina

O'Daniel, Julianne, School of Medicine
Lightfoot, Alexandra, Gillings School of Global Public Health
March 2018
It's complicated: Engaging stakeholders and caregivers of medically involved children from medically underserved and minority populations

Simpson, Ross, School of Medicine
May 2016
Medically Isolated Adults’ Perceptions of Health Behavior and Access to Healthcare

Villa Torres, Laura, School of Medicine
December 2018
Amigas Latina Motivando el Alma: Engaging Latinxs to improve mental health

TRANSLATIONAL SCIENCE METHODS & PROCESS AWARDS

Birken, Sarah, Gillings School of Global Public Health
July 2016
Developing a tool to promote the selection of appropriate implementation frameworks and theories

Bracha, Yiscah, RTI International
Long, Millie, School of Medicine
August 2016
A Novel Method to Obtain Electronic Health Record Data for Comparative Effectiveness and Translational Science Research
Nielsen, Matthew, School of Medicine
April 2018
The Opioid Research Data Hub: A New Approach for Data Linkage

NC TRACS/NC STATE UNIVERSITY COLLABORATIVE TRANSLATIONAL RESEARCH PILOT GRANT PROGRAM

Dellon, Evan, UNC School of Medicine
Blikslager, Anthony, College of Veterinary Medicine, NC State University
December 2016
A novel steroid-eluting esophageal ring for treatment of eosinophilic esophagitis

Gallippi, Caterina, UNC School of Medicine
Jiang, Xiaoning, College of Engineering, NC State University
December 2016
eVisR Ultrasound Assessment of Dystrophic Muscle Degeneration in Boys with Duchenne Muscular Dystrophy Using a Custom Row-Column Transducer Array

Gulati, Ajay, UNC School of Medicine
Theriot, Casey, College of Veterinary Medicine, NC State University
December 2016
Shifts in the Gastrointestinal Microbiome and Metabolome in response to Fecal Microbiota Transplantation

Hu, Xiaogang, School of Medicine
Zhu, Yong, NC State University
December 2017
Development of a wearable hand activity monitoring glove for stroke survivors

Rosamond, Wayne, Gillings School of Global Public Health
Williams, Billy, NC State University
December 2017
A Feasibility Study to Assess Delivery of Automated External Defibrillators (AED) via Drones

EMERGING CHALLENGES IN BIOMEDICAL RESEARCH (ECBR)

Asokan, Aravind, School of Medicine
April 2017
Aquaporin Gene Therapy for AD

Bates, Jill, Eshelman School of Pharmacy / UNC Health Care
August 2018
Implementation of a Preemptive Approach to Pharmacogenomics in Oncology

Deshmukh, Mohanish, School of Medicine
April 2017
Strategies from the Healthy Brain for Alzheimer's Disease: Focus on miR-29

Meeker, Rick, School of Medicine
April 2017
Inflammation, Aging and Alzheimer Disease Vulnerability

Stuebe, Alison, School of Medicine / Gillings School of Global Public Health
Whitney, Ana, UNC Health Care
August 2018
Human centered-design to assess and address social determinants of health in maternity care

CHER/ISP: PROMOTING HEALTH EQUITY BY INCLUDING UNDERREPRESENTED PARTICIPANTS IN RESEARCH GRANTS

Agans, Robert, Gillings School of Global Public Health
August 2018
Supplementing RDD Telephone Surveys with RDS to Oversample Gender Minorities: A New RDD+RDS Approach

Propper, Cathi, College of Arts and Sciences
August 2018
Prenatal nutrition and child cognitive outcomes at age 4 in an African American sample: Contributions of infant sleep and race-related stress