



# NC TRACS PILOT PROGRAM GRANT AWARDEES

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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
- Adams, Michael**, School of Medicine  
**Paraghamian, Sarah**, School of Medicine  
**Saylor, Katherine**, College of Arts and Sciences  
September 2019  
Identifying undiagnosed genetic disease: Ovarian cancer germline testing uptake in the UNC healthcare system
- 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

*\$2K Awards cont.*

**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

**Allison, Bianca**, School of Medicine

**Perry, Martha**, School of Medicine

November 2019

Trends in contraception uptake and continuation over time amongst adolescent females insured by North Carolina Medicaid

**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

**Assimon, Magdalene**, School of Medicine

September 2019

Patterns of use and sudden cardiac death risk associated with prescription QT-prolonging drug exposure among hemodialysis patients

**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

**Baer, Jordan**, Eshelman School of Pharmacy

May 2019

Proof of concept formulation development of long-acting gemcitabine hydrogel for the treatment of pancreatic cancer

**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

March 2016

Eating Disorder Symptoms During Perimenopause

**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

*\$2K Awards cont.*

**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

**Bedford, Jim**, School of Medicine

**Steinseik, Jessica**, School of Medicine  
June 2020

Current Treatment Practices for Depressive Symptoms in Children and Adolescents with Autism Spectrum Disorder

**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

**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

**Bhushan, Nivedita**, School of Medicine  
October 2019

PrEP Communication Among Adolescents in North Carolina

**Bice, Thomas**, School of Medicine

**Kovacich, Amanda**, School of Medicine  
March 2019

A Pilot Study of Esophageal Pressure Guided PEEP for Prevention of Ventilator Induced Lung Injury in Obese Patients

**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

**Bogges, 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

**Bowman, Natalie**, School of Medicine

April 2020  
COVID-19 in NC Hispanics: expanding access to NC TraCS-funded COVID research project "Epidemiological and immunological aspects of Coronavirus disease 2019 (COVID-19) in North Carolina"

*\$2K Awards cont.*

**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

**Buse, John**, School of Medicine  
October 2012  
Genetic Influences on the Development of Complications in Diabetes

**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

**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

**Carden, Marcus**, School of Medicine  
**Smitherman, Andrew**, School of Medicine  
June 2020  
A pilot study assessing p16 levels in adolescent and young adult patients with sickle cell disease at UNC

**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  
**Kiser, Stephanie**, Eshelman School of Pharmacy  
March 2020  
Documenting the Ability of Rural Community Pharmacies to Respond to COVID-19

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

**Carpenter, Kimberly**, School of Medicine  
March 2009  
Abnormal Interaction Between Executive and Social-Emotional Brain Circuits in Autism



*\$2K Awards cont.*

**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

**Catalino, Michael**, School of Medicine  
**Buss, Emily**, School of Medicine  
June 2019  
Intraoperative acoustic variation  
at glioma-brain interface

**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

**Chen, Hao**, School of Medicine  
June 2020  
Finding cancer stem cells in Desmoplastic  
Small Round Cell Tumor (DSRCT)

**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

**Cicccone, Emily**, School of Medicine  
June 2019  
Knowledge or Noise: The Impact of  
Gastrointestinal Pathogen Testing on  
Antibiotic Use and Clinical Management

**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

**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

*\$2K Awards cont.*

**Cools, Michael**, UNC Hospitals  
**Mihalik, Jason**, College of Arts and Sciences  
July 2018  
Comparing Growth Hormone Levels  
and Cognitive Performance in Special  
Operations Forces Combat Soldiers

**Cortes, Yamnia**, School of Nursing  
**Thurston, Rebecca**, University of Pittsburgh Medical  
Center  
April 2020  
Reproductive hormones as risk factors for progression  
of carotid plaque burden and characteristics

**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

**Cunningham, Kevin**, School of Medicine  
**Byom, Lindsey**, School of Medicine  
March 2019  
Developing an automated assessment  
of discourse production

**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, Hope**, College of Arts and Sciences  
September 2019  
Association Between Steps Per Day and  
Knee Joint Health in Individuals at Risk of  
Post-Traumatic Knee Osteoarthritis

**Davis, Scott**, Eshelman School of Pharmacy  
September 2019  
Implementation of an Online Educational Video  
Intervention to Improve Eye Drop Technique

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

**De Marco, Molly**, Gillings School of Global Public Health  
**Dorrance, Jessica**, Center for Community Capital  
November 2019  
Addressing Basic Needs Security in College  
Students in North Carolina: A Formative Study

**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

*\$2K Awards cont.*

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

**Diehl, Sandra**, Frank Porter Graham Child Development  
Institute  
May 2020  
Analyzing the role of social networks in  
promoting effective implementation of the  
Triple P Positive Parenting Program

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

**Dilworth-Anderson, Peggye**, 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

**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

**Dotson, Andrea**, School of Medicine  
**Reuland, Daniel**, School of Medicine  
December 2019  
Evaluating the feasibility and patient  
acceptability of shared decision making  
telehealth visits for lung cancer screening

**Dougherty, Michael**, School of Medicine  
July 2020  
Effect of COVID-19 pandemic on presentation  
severity of acute gastrointestinal bleeds

**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

*\$2K Awards cont.*

**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

**Ellis, Alan**, College of Humanities and Social Sciences,  
NC State University  
May 2020

Developing a Comparative, Multilevel Model of  
Psychotropic Medication Use in Children

**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

**Evangelista, Baggio**, School of Medicine  
June 2020

In vivo pilot study of an engineered molecular  
chaperone as a potential treatment for  
amyotrophic lateral sclerosis (ALS)

**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

**Eyal, Keren**, Gillings School of Global Public Health  
February 2020

Parent Communication Regarding  
Anti-Latino Discrimination

**Fabiato, 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

**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

**Faurot, Keturah**, School of Medicine  
May 2019

Development of a Novel mHealth Application for Dietary  
Supplement Tracking-- Acquiring Patient Perspectives

**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

**Fiacco, Serena**, School of Medicine  
June 2020

The relationship between stress, inflammation,  
and sensitivity to social rejection in the  
menopause transition: A pilot study

**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

**Fraga, Cynthia**, School of Social Work

**Reyes, Luz**, Gillings School of Global Public Health  
June 2019

Feasibility Evaluation of a Parenting  
Intervention for Latinx Mothers who have  
Experienced Intimate Partner Violence



*\$2K Awards cont.*

**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  
April 2019  
A Pilot, Single-Site, Case-Control Observational Study to Assess the Prevalence of Bartonella in Patients with Schizophrenia/Schizoaffective Disorder Compared to Healthy Controls

**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

**Giovanello, Kelly**, College of Arts and Sciences  
**Roth, Shaina**, College of Arts and Sciences  
September 2019  
Electrophysiological Mechanisms of Memory Change in Mild Cognitive Impairment

**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

*\$2K Awards cont.*

**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 Gracz, Adam, School of Medicine

**Griesemer, Ida**, Gillings School of Global Public Health  
May 2019  
A qualitative study of the design, implementation, and sustainability of a racial-equity focused intervention at two cancer centers

**Griffin, Ashley**, School of Information & Library Science  
December 2019  
A Conversational Agent to Support Hypertension Medication Self-Management

**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

*\$2K Awards cont.*

**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, Clare**, School of Medicine

**Dallman, Aaron**, School of Medicine  
March 2020

The Impact of COVID19 on Families with a Child with Autism Spectrum Disorder (ASD): Behavioral Inflexibility, Anxiety and Quality of Life

**Harrop, Clare**, School of Medicine

**Cohen, Jessica**, College of Arts & Sciences  
March 2019

Executive Functions and Behavioral Inflexibility in Attention Deficit Hyperactive Disorder (ADHD): A Cross-Diagnostic Comparison

**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

**Herb, Joshua**, School of Medicine

**Mody, Gita**, School of Medicine

**Stitzenberg, Karyn**, School of Medicine

September 2019

Determinants of Rural-Urban Differences in Surgical Resection for Early Stage Non-Small Cell Lung Cancer in North Carolina

**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

**Hill, Lauren**, Sheps Center for Health Services Research

May 2019

Targeting Stress as a Cause of Non-Adherence to Antiretroviral Therapy in People Living with HIV

**Hingtgen, Shawn**, Eshelman School of Pharmacy

December 2012

Developing Translatable Personalized Cell Therapies for Glioblastoma

**Hodges, Eric**, School of Nursing

December 2019

Intervention mapping for a novel obesity prevention trial during infancy

**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

*\$2K Awards cont.*

**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

**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

**Javaid, Sehrish**, School of Dentistry  
June 2019  
Evaluating the efficacy of combination of ERK inhibition with FTI (tipifarnib) for treatment of HRAS mutant HNSCC

**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

*\$2K Awards cont.*

**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

**Johnston, Christopher**, School of Medicine

October 2019

The Longitudinal Assessment of Quadriceps Muscle Quality for Six Months Following Anterior Cruciate Ligament Reconstruction

**Karmali, Ruchir**, Gillings School of Global Public Health

**Hassmiller Lich, Kristen**, Gillings School of Global Public Health

**Skinner, Asheley**, 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

**Houry, Amal**, School of Medicine; Gillings School of Global Public Health

**Charles, Anthony**, School of Medicine

February 2013

Immune Modulation by Extracorporeal Membrane Oxygenation (ECMO)

**Kim, Jinwook**, School of Medicine

October 2019

Internal mechanochemical dissolution of retracted blood clots by coadministration of phase change nanodroplets and thrombolytic drugs

**Kimbell, Julia**, School of Medicine

November 2017

Identification of optimal particulate size range for inhaled steroid transmission to laryngeal vocal fold granulomas through computational fluid dynamics

**Kimple, Randall**, School of Medicine

June 2009

Pre-clinical Validation of Pazopanib as a Radiosensitizer in K-ras Mutated Lung Cancer

**King, Jasmine**, Eshelman School of Pharmacy

April 2019

A novel thermo-responsive hydrogel scaffold to deliver neural stem cells for post-surgical treatment of glioblastoma multiforme

**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



*\$2K Awards cont.*

**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

**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

*\$2K Awards cont.*

**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

**Maffuid, Kaitlyn**, Eshelman School of Pharmacy

**Crona, Daniel**, Eshelman School of Pharmacy

March 2019

Chemically Catalyzed Epigenetic Repression of the  
MYC Gene as a New Therapeutic Paradigm in Cancer

**Mallampati, Divya**, School of Medicine

**Vora, Neeta**, School of Medicine

April 2020

Insurance and Practice-Level Variation  
in Prenatal Genetic Testing

**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

**Marraccini, Marisa**, School of Education

**Griffin, Dana**, School of Education

**Sartain, Lauren**, School of Education

June 2020

Understanding School Mental Health Supports for  
Adolescents with Suicide Risk during COVID-19:  
Improving Practice During Social Isolation

**Mathes, Wendy Foulds**, School of Medicine

July 2010

Impact of Adolescent Binge Eating on  
Adult Feeding Behavior in Rats

**Mathews, Allison**, School of Medicine

July 2016

Preliminary Focus Groups to Design Crowdsourcing  
Campaign to Decrease HIV Testing Stigma

**Maturavongsadit, Panita**, School of Medicine

**Benhabbour, Soumya Rahima**, School of Medicine

May 2018

Novel Ultra-Long-Acting Injectable Combinatory  
Implants for Treatment of Osteoporosis

**McCormick, Margaret**, School of Medicine

September 2011

Investigating a Novel Biologic in Recovery  
After Myocardial Infarction

**McCudden, Christopher**, School of Medicine

July 2009

Multivariate Analysis of Laboratory Data for Classification  
of Patients with Disorders of Calcium Homeostasis

**McKim, Theresa**, College of Arts and Sciences

**Boettiger, Charlotte**, College of Arts and Sciences

June 2014

Investigating the role of stress in  
potentiating habitual behavior

**McKim, Theresa**, College of Arts and Sciences

October 2012

Addiction History and COMT Genotype are  
Independently Associated with Impairments in Learning  
and Replacing Arbitrary Stimulus-Response Associations

**McLean, Sean**, School of Medicine

June 2010

Determination of Molecular Pathways Responsible  
for Pulmonary Hypertension in Sickle Cell Disease

*\$2K Awards cont.*

**Meltzer-Brody, Samantha**, School of Medicine  
**Stuebe, Alison**, School of Medicine  
April 2014  
Feasibility of Heart Rate Variability Biofeedback as a Stress Reduction Tool for Hospitalized Pregnant Women

**Mercer, Vicki**, School of Medicine  
**Grose, John**, School of Medicine  
June 2020  
Role of Auditory Input in Postural Steadiness during Quiet Standing in Older Adults With and Without Hearing Loss

**Mersereau, Jennifer**, School of Medicine  
August 2011  
Role of Estrogen in Breast Cancer Development in Women with BRCA Gene Mutation

**Metzger, Maureen**, School of Nursing  
June 2014  
SPIRIT-HF: A Pilot Study of a Communication Intervention for LVAD Patients and Their Surrogates

**Meyer, Katie**, Gillings School of Global Public Health  
**Gordon-Larsen, Penny**, Gillings School of Global Public Health  
September 2014  
A Home-Based Nutrient Challenge for Mechanistic Study in a Population-Based Cohort: a Pilot Study

**Mills-Koonce, Roger**, College of Arts & Sciences  
**Heilbron, Nicole**, College of Arts & Sciences  
May 2012  
Stress and Well-Being among LGBTI Young Adults

**Mohottige, Dinushika**, School of Medicine  
June 2010  
Using Socio-spatial Methods to Understand the Relationship Between Physical Access to HIV-specific care and HIV Morbidity/Mortality

**Mollison, Lonna**, School of Medicine  
April 2018  
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

**Moloney, Mairead**, School of Medicine  
June 2010  
Older Adults and Insomnia: Gauging the Response of Complementary and Alternative Medicine (CAM) Providers in North Carolina

**Moon, Andrew**, School of Medicine  
April 2018  
Characteristics and Complications of Opioid Use among Inpatients with Cirrhosis

**Moore, Margaret**, School of Information and Library Science  
**Edwards, Phillip**, School of Information and Library Science  
June 2010  
Challenges and Opportunities for Facilitating Translational Research Via the Publication Process

**Moracco, Beth**, Gillings School of Global Public Health  
January 2015  
Solidarity Groups to Facilitate Integration and Social Support among Newly-Arrived Congolese Refugees

**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

*\$2K Awards cont.*

**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

**Ostrowski, Lawrence**, School of Medicine  
March 2019  
Sorting of Carboxypeptidase M Positive Cells for Differentiation of Ciliated Airway Cells from Induced Pluripotent Stem 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

**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

*\$2K Awards cont.*

**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

**Peters, Erica**, School of Medicine

September 2019

A Three-Dimensional Model of the Atherosclerotic Niche to Screen Nanocarriers for Mechanosensitive Therapeutic Delivery

**Peterson, Eliza**, School of Medicine

October 2010

Small-Molecule Inhibitors of *S. Pneumoniae* EndA that Attenuate Pneumococcal Infection

**Pfeiffer, Steven**, College of Arts and Sciences

February 2020

Using Ultrasound for Cartilage Imaging in Individuals with Knee Osteoarthritis

**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

**Quinsey, Carolyn**, School of Medicine

June 2020

Ketone Esters- Neuro Protection after Concussion

**Raab, Jesse**, School of Medicine

November 2016

Identification of small molecule regulators of open chromatin in prostate cancer



*\$2K Awards cont.*

**Ranney, Leah**, School of Medicine  
**Lee, Joseph**, College of Health and Human Performance,  
East Carolina University  
**Kowitt, Sarah**, School of Medicine  
May 2020  
Risk Perceptions and Consumer Responses  
to Marijuana Dispensary Packaging

**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  
**Ritchwood, Tiarny**, School of Medicine  
December 2013  
Substance Use and Risky Sexual Behavior among  
Adolescents: A Meta-analysis

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

**Robinson, Donita**, School of Medicine  
March 2018  
Reversal of the pharmacological effects  
of cocaine by allopregnanolone  
**Rodgers, Jo Ellen**, Eshelman School of Pharmacy  
October 2012  
Impact of Induced Therapeutic Hypothermia  
on Prasugrel Pharmacokinetics

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

**Rohde, Jacob**, School of Media & Journalism  
May 2019  
Developing a Measure of Perceived Message  
Effectiveness for Youth E-Cigarette Prevention

**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

**Roth, Isabel**, School of Medicine  
December 2019  
Feasibility of Integrative Medical Group  
Visits in an Outpatient Setting with a High  
Burden of Patients with Chronic Pain

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

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

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

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

**Sano, Michael**, School of Medicine  
Fogle, Callie, NC State University  
May 2019  
A Feasibility Study for using INSPIRE Focal  
Ablation Technology for the Treatment of  
Melanoma Using an Equine Model of Disease

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

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

**Schipul, Sarah**, School of Medicine  
**Belger, Aysenil**, School of Medicine  
April 2015  
Brain Connectivity and Plasticity in Children  
with Autism Spectrum Disorder

*\$2K Awards cont.*

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

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

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

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

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

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

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

**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**, Sheps 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

*\$2K Awards cont.*

**Rachel Stemerman**, Carolina Health Informatics Program

**Rebecca Kitzmiller**, School of Nursing  
September 2019

A generalizable machine learning approach to building a comprehensive social determinant of health patient profile using EHR data

**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

**Stoner, Lee**, College of Arts and Sciences  
November 2019

The effects of mental stress with and without prolonged sitting on whole-body cardiovascular health

**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

**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, Nancy**, School of Medicine  
**Aldredge, Virginia**, School of Medicine  
April 2012

Evaluating Expression of KLK-10 in BRAF Mutant Versus Wild Type Melanoma

**Thomas, Tainayah**, Gillings School of Global Public Health

**Samuel-Hodge, Carmen**, Gillings School of Global Public Health

**Golin, Carol**, Gillings School of Global Public Health; School of Medicine  
March 2018

Mixed Methods Approach to Examine Prediabetes Screening, Follow-up Care & Clinical Guideline Implementation

**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

*\$2K Awards cont.*

**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

**Urlick, 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

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

**Virkud, Arti**, Gillings School of Global Public Health  
July 2020  
Estimating the Comparative Effect of Loop Diuretics Using Medicare Claims Linked Electronic Health Record (EHR) Data and Precision Medicine Machine Learning Methods

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

**Wade, Jeannette**, N.C. A&T State University  
**Alexander, Ramine**, N.C. A&T State University  
**Woods-Giscombe, Cheryl**, School of Nursing  
May 2019

The Strong Black Woman Script and Obesity Risk- How to Navigate Your Reality

**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, Lin**, School of Medicine  
May 2019  
Analysis and Integration of Signaling Pathways in the Development and Progression of Head and Neck Squamous Cell Carcinoma Based on Whole Genome RNA Sequencing Data from the Cancer Genome Atlas Database

**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

*\$2K Awards cont.*

**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

**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

**Wouk, Kathryn**, Gillings School of Global Public Health

March 2019

Predictors of postpartum health care utilization and receipt of recommended health services among underserved mothers in North Carolina

**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

**Young, Isabella**, Eshelman School of Pharmacy

March 2020

A Novel Injectable Long-acting Multi-Purpose Technology for Prevention of STIs and Unintended Pregnancy

**Young, Jessica**, Gillings School of Global Public Health  
September 2018

Examining the role of perioperative gabapentinoid use in preventing long-term opioid therapy after surgery



*\$2K Awards cont.*

**Yuan, 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

**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

**Brouwer, Kim**, Eshelman School of Pharmacy  
February 2009  
Drug-Drug Interactions in the Liver: Effect of Ritonavir, a Transport Protein Modulator, on the Hepatic Exposure of 99m Technetium-Mebrofenin in Healthy Human Volunteers

**Burker, Eileen**, School of Medicine  
May 2009  
From the Community to the OR: EMS Workers' Knowledge of and Attitudes Toward Heart-Beating and Non-Heart-Beating Organ and Tissue Donation

**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

**Cevidane, 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

*\$10K Awards cont.*

**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

**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

*\$10K Awards cont.*

**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 Casti**

**Ilo, 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

**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-Islets

**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

*\$10K Awards cont.*

**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

**Lobao, 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

**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

*\$10K Awards cont.*

**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

**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



*\$10K Awards cont.*

**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  
Arthropathy 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

**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

**Allen, Kelli**, School of Medicine  
September 2019  
Precision Medicine to Inform Rehabilitation and  
Exercise Therapies for Knee Osteoarthritis

*\$5-50K Awards cont.*

**Allcock, Marlyn**, 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

**Azcarate-Peril, M. Andrea**, School of Medicine  
September 2019  
Can pre-therapy analysis predict response to treatment for lactose intolerance?

**Barritt, A. Sidney**, School of Medicine  
June 2012  
Simulating Donor Liver Availability and Quality in the Context of Increasing Donation After Cardiac Death, Donor Diabetes and Obesity: Assessing the Uncertain Future of Liver Transplant

**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, Aysenil**, 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

**Besheer, Joyce**, School of Medicine  
**Blough, Bruce**, RTI International  
June 2019  
Developing anatabine analogs as novel therapeutics for alcohol use disorders

**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

*\$5-50K Awards cont.*

**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

**Bjurlin, Marc**, School of Medicine  
September 2019  
Characterization of Bladder Carcinogen Urinary Biomarkers in Young Adult Electronic Cigarette Users

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

**Bowman, Natalie**, School of Medicine  
March 2020  
Epidemiological and immunological aspects of Coronavirus disease 2019 (COVID-19) in North Carolina

**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

*\$5-50K Awards cont.*

**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

**Dharod, Jigna**, School of Health & Human Services, UNC Greensboro

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

August 2013

Food insecurity: How is it Related to Home Food Environment, Pregnancy and Birth Outcomes Among WIC Pregnant Women

**Diekman, Brian**, School of Medicine

**Schnabel, Lauren**, College of Veterinary Medicine, NC State University

June 2019

Senolytic therapy in an equine model of post-traumatic osteoarthritis (OA)

**DiMartino, Lisa**, RTI International

**Hanson, Laura**, School of Medicine

June 2019

Using natural language processing to identify hospitalized cancer patients in need of palliative care services

**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

**Doerschuk, Claire**, School of Medicine

January 2020

A Precision Medicine Approach to DNase Therapy in Patients with ARDS or Pneumonia: Which Patients May Benefit from DNase?

**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

**Enyioha, Chineme**, School of Medicine

May 2020

Features of mHealth Interventions for Smoking Cessation that Appeal to African American Smokers

**Esther, Jr., Charles**, School of Medicine

**Freeman, Ronit**, College of Arts and Sciences

September 2019

Understanding the mechanisms of mucus flake formation

**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

**Fisher, Matthew**, School of Medicine

**Pietrosimone, Brian**, College of Arts and Sciences

May 2020

Effect of Skeletal Maturity on Biomarkers for Post-traumatic OA after ACL Injury

**Flower, Kori**, School of Medicine

**McLaurin-Jiang, Skye**, School of Medicine

May 2020

Car Seat Tolerance Screening in United States Newborn Nurseries: Failure Rates and Risk Factors

**Flythe, Jenny**, School of Medicine

September 2014

Developing Comparative Effectiveness Research Strategies for the Study of Diuretic Therapy and Outcomes Among Dialysis Patients

**Frankowski, Kevin**, Eshelman School of Pharmacy

**Muratov, Eugene**, Eshelman School of Pharmacy

June 2019

Development of viral entry inhibitors for the improved treatment of HCV

*\$5-50K Awards cont.*

**Franz, Jason**, School of Medicine  
January 2020  
The peripheral motor repertoire as a neuromuscular constraint on walking balance integrity in age-related falls risk

**Freiberger, 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

**Gilger, Brian**, College of Veterinary Medicine, NC State University

**Hirsch, Matthew**, School of Medicine  
June 2019  
Immunomodulatory Gene Therapy for Uveitis

**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

**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



*\$5-50K Awards cont.*

**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

**Jackson, Klarissa**, Eshelman School of Pharmacy

January 2020

Phenotypic Biomarkers of Cytochrome P450 3A for

Precision Dosing in Chronic Lymphocytic Leukemia

**Jacox, Laura**, School of Dentistry

May 2020

Orthognathic Speech Pathology: Understanding

How Dentofacial Disharmonies Effect

Speech Pre- and Post-Operation

**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

**Kimble, Adam**, School of Medicine

**Ostrowski, Lawrence**, School of Medicine

May 2020

Second Generation Mucolytics for the

Treatment of Chronic Rhinosinusitis

**Kistler, Christine**, School of Medicine

September 2019

The Feasibility of Using a Pharmacogenetic

Assay in Nursing Home Residents to

Reduce Adverse Events (FOGI-NH)

**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

*\$5-50K Awards cont.*

**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

**Lewis, Valerie**, Gillings School of Global Public Health  
September 2019

Demonstrating feasibility of studying care delivery across payers: the Transforming Healthcare in North Carolina (THiNC) pilot project

**Li, Zibo**, School of Medicine  
**Oldan, Jorge**, School of Medicine  
January 2020

Development of [<sup>18</sup>F]-labeled Amino Acids for Positron Emission Tomography (PET)

**Lin, Jessica**, School of Medicine  
April 2020  
COVID-19 Household Transmission Study (CO-HOST) - Epidemiology Of Sars-cov-2 Transmission Within the Household

**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

**Liu, Pengda**, School of Medicine  
**Davis, Ian**, School of Medicine  
September 2019  
MERTK inhibition sensitizes Ewing sarcoma to chemotherapy

**Lobao, Elizabeth**, School of Medicine  
January 2014  
Fiber-Reinforced Extracellular Matrix Hydrogels for Skeletal Muscle Regeneration

**Lobao, 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

**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

*\$5-50K Awards cont.*

**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

**Miguez, Patricia**, School of Dentistry

**Liu, Jian**, Eshelman School of Pharmacy

June 2019

Exploring Synthetic Low Molecular Weight Heparins for Treatment of Periodontitis

**Miller, Melissa**, School of Medicine

January 2020

Validation of Metagenomic Next-Generation Sequencing for Clinical Use to Diagnose Endocarditis

**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, Andrey**, School of Dentistry / School of Medicine

**Johnson, Leah**, RTI International

September 2014

Extended Release Local Anesthetics for the Treatment of Dental Pain

**Nagarajan, Uma**, School of Medicine

June 2019

Inhibition of Cytokine Signaling Pathways during Chlamydia infection to protect from Oviduct pathology

**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

*\$5-50K Awards cont.*

**Okoniewski, Katherine**, RTI International  
**Hazlett, Heather**, School of Medicine  
April 2018  
Piloting remote developmental assessment techniques in infants with FMR1 premutation

**Oldan, Jorge**, School of Medicine  
January 2020  
Evaluation of Endometriosis with 18F-fluoroestradiol PET / MRI

**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

**Polacheck, William**, School of Medicine  
**Rizvi, Imran**, School of Medicine  
June 2019  
Identifying Targetable Mechanotransduction Mechanisms of Flow-induced Chemoresistance in Ovarian Cancer

**Poteat, Tonia**, School of Medicine  
January 2020  
Combining Cohorts for Equity: Understanding Comorbidities in Diverse Women

**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

**Reddy, Shivani**, RTI International  
**Qaqish, Bahjat**, 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

*\$5-50K Awards cont.*

**Robinson, Donita**, School of Medicine

**Shih, Yen-Yu**, School of Medicine

January 2015

Contribution of orbitofrontal output to brain connectivity in alcohol-exposed rats

**Saavedra, Lissette**, RTI International

**Schilling, Samantha**, School of Medicine

January 2020

Feasibility and Acceptability of a Screening and Referral to Prevention for Latinx Youth

**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 Raza**, Gillings School of Global Public Health

May 2020

Bioavailability of SPMs in obese humans

**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

**Shumaker, Ellen**, RTI International

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

January 2020

Understanding how food waste and food safety impact food donations to address food insecurity in North Carolina

**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



*\$5-50K Awards cont.*

**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  
**Hall, Marissa**, 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

**Tan, Xianming**, Gillings School of Global Public Health  
September 2019  
Building an intelligent EMA system to study  
the feasibility of conducting EMA studies  
on at risk children and adolescents

**Tarran, Robert**, School of Medicine  
**Arendshorst, William**, School of Medicine  
October 2012  
SPLUNC1: A Novel Regulator of Renal Sodium Excretion

**Taylor, Joan**, School of Medicine  
**Batrakova, Elena**, Eshelman School of Pharmacy  
May 2020  
Pre-clinical evaluation of a novel therapeutic  
target for Parkinson's disease

**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

**Toth, Danielle**, RTI International  
**Kinard, Jessica**, School of Medicine  
**Wheeler, Anne**, RTI International  
May 2020  
Remote Assessment for Latinx Infants and Children  
at High Risk for Developmental Disabilities

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

**Vece, Timothy**, School of Medicine  
**Hagood, James**, School of Medicine  
January 2020  
A Pilot Study of Precision Medicine for  
Children's Interstitial Lung Disease

**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  
January 2020  
Expanding the utility of non-invasive  
prenatal genetic testing

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

*\$5-50K Awards cont.*

**Wade, Jeannette**, N.C. A&T State University  
**Frederick, Helyne**, School of Education  
**Parker, Sharon**, N.C. A&T State University  
September 2019  
An Exploratory Study of Barriers to Black Women's  
Involvement in Gynecological Research and Health Care

**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  
**Piasek, 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)

**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

**Yi, Xiang**, Eshelman School of Pharmacy  
April 2014  
Treating Rett Syndrome with Intranasal BDNF Analogs

*\$5-50K Awards cont.*

**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

**Zheng, Xiaojing**, School of Medicine  
January 2020  
Determination of genital mucosal T cell responses  
involved in protection from Chlamydia trachomatis  
in women using single cell RNA sequencing analysis

**Zong, Xiaopeng**, School of Medicine  
**Powers, William**, School of Medicine  
June 2019  
Quantitative study of penetrating artery alterations  
in patients with diabetes with 7 T MRI

**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 Perihematoma  
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

**Boetiger, 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

*\$50K Awards cont.*

**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

**Elbogen, Eric**, School of Medicine  
November 2010

Medical and Mental Health Needs of Military Service Members and Families Receiving Care at UNC Hospitals

**Egan, Thomas**, School of Medicine  
November 2009

Innate Immune Inhibition in a New Rat Lung Transplant Survival Model Using Non-Heart-Beating Donors

**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

**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

*\$50K Awards cont.*

**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

**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



*\$50K Awards cont.*

**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

**Napravnik, 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

**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

*\$50K Awards cont.*

**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

**Tarran, Robert**, School of Medicine  
April 2009  
Chloride Secretion and Early Onset COPD

**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

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

**Watkins, Paul**, Gillings School of Global Public Health;  
Eshelman School of Pharmacy  
**Su, Lishan**, School of Medicine  
November 2009  
Investigating Idiosyncratic Drug-Induced  
Liver Injury With a Novel Mouse Model

**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

**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

**Hagood, James**, School of Medicine, UNC Chapel Hill  
**Zhang, Kun**, Jacobs School of Engineering, UC San Diego  
**Duong, Thu (Elizabeth)**, Jacobs School of Engineering,  
UC San Diego  
February 2019  
Optimizing tissue processing for single-  
cell multi-omics applications

**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)

**Ostrowski, Lawrence**, School of Medicine, UNC Chapel  
Hill  
**Fregien, Nevis**, School of Medicine, University of Miami  
March 2019  
Development of iPS Cell Lines for Screening New  
Therapeutics for Primary Ciliary Dyskinesia

**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)

## 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

**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

## FastTraCS GRANTS

**Bergmeier, Wolfgang**, School of Medicine  
**Runyon, Scott**, RTI International  
April 2015  
High-throughput Screening for Inhibitors of  
Ca/DAG-GEFI-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, Yeoheung**, 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, Yeoheung**, 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, Bhashamjit**, 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

**Shah, Rishma**, Adams School of Dentistry  
September 2019  
Development of an Innovative Custom-Fitted  
Portable Intraoral Speech Therapy Device



**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

**Armao, 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

**Samuel-Hodge, Carmen**, Gillings School of Global Public Health  
April 2014  
A Feasibility Study of Demand for Diabetes Prevention Evidence-Based Interventions

## 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)

**Amelio, Antonio**, School of Dentistry  
**Hackman, Trevor**, School of Medicine  
June 2019  
Molecular Subtyping of Salivary Mucoepidermoid  
Carcinoma (MEC) for Risk Stratification  
and Guiding Therapeutic Decisions

**Armistead, Paul**, School of Medicine  
**Goonetilleke, Nilu**, School of Medicine  
June 2019  
Targeting HLA-E restricted epitopes for immunotherapy against Cancer

**Brudno, Yevgen**, School of Medicine  
**Dotti, Gianpietro**, School of Medicine  
**Grover, Natalie**, School of Medicine  
June 2019  
In Situ Recruitment, Reprogramming and Release of CAR-T Cells

**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  
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  
April 2015  
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

**Gershon, Timothy**, School of Medicine  
**Wilhelmsen, Kirk**, School of Medicine  
July 2017  
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

**Gordon-Larsen, Penny**, Gillings School of Global Public  
Health  
August 2014  
Gut microbiome markers of cardiometabolic  
disease in transition to a Western diet

**Jensen, Brian**, School of Medicine  
**Johnson, Gary**, School of Medicine  
January 2017  
Integrated profiling of the kinome and transcriptome  
to predict cardiotoxicity of kinase inhibitors

**Jensen, Brian**, School of Medicine  
**Johnson, Gary**, School of Medicine  
January 2016  
Integrated profiling of the kinome and transcriptome  
to predict cardiotoxicity of kinase inhibitors

**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

**Lalush, David**, School of Medicine  
**Rose, Tracy**, School of Medicine  
**Kim, William**, School of Medicine  
June 2019  
Quantitative PET-MRI Imaging Correlated  
with Transcriptome Analysis for Noninvasive  
Characterization of Renal Cell Carcinomas

**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-1 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

**Daubert, Melissa**, School of Medicine, Duke University

**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

**Taylor, 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

**Baxter, Samuel**, Gillings School of Global Public Health  
December 2019

Exploring neighborhoods and cardiovascular health among young Black men: A concept mapping study

**Bledsoe, Sarah**, School of Social Work

**LeMasters, Katherine**, Gillings School of Global Public Health

April 2019

Community Engagement: Understanding Perinatal Health Needs in Robeson County, NC Community Advisory Board

**Brooks, Jada**, School of Nursing

**Proulx, Jeffrey**, Oregon Health & Science University  
September 2019

Building a Community-Academic Partnership with the Cherokee to Address Diabetes through the Adaptation of a Mindfulness-Based Intervention

**Brooks, Jada**, School of Nursing

March 2019

Engaging Community Stakeholders in the Formative Stage to Design Culturally-Appropriate Studies Aimed at Promoting Health Equity in American Indian Communities

**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

**Dellon, Evan**, School of Medicine

June 2020

Developing patient stakeholder engagement in eosinophilic esophagitis

**Engel, Lawrence**, Gillings School of Global Public Health  
January 2019

Robeson County Environmental and Community Health Initiative (ECHI)

**Fraga, Cynthia**, School of Social Work

**VanDeinse, 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

**Germain, Cassandra**, School of Health & Human Services, N.C. A&T State University

June 2020

Engaging Community Stakeholders for Research with Caregivers of PwD

**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

**Golin, Carol**, School of Medicine; Gillings School of Global Public Health

**Lightfoot, Alexandra**, Gillings School of Global Public Health  
March 2019

Engaging Stakeholders in a Community-Academic Partnership to Address Mental Health and Access to Care among Durham Housing Authority residents

**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

**Hirschey, Rachel**, School of Nursing

March 2019

African American Cancer Survivors Engagement to Develop a Physical Activity Intervention

**LeMasters, Katherine**, Gillings School of Global Public Health

October 2019

A community-based approach to understanding PrEP care in at-risk adolescents: Youth Engagement

**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

**Quist, Arbor**, Gillings School of Global Public Health  
**Holloman, Diamond**, College of Arts and Sciences

March 2020

Mold Education Resource Center Pilot Study

**Roth, Isabel**, School of Medicine

May 2019

Engaging Stakeholders in Research on a Telephone-delivered Mindfulness Intervention for Rural, African American Families

**Simpson, Ross**, School of Medicine

May 2016

Medically Isolated Adults' Perceptions of Health Behavior and Access to Healthcare

**Taillie, Lindsey**, Gillings School of Global Public Health

**Hall, Marissa**, Gillings School of Global Public Health  
September 2019

Engaging Latinx community members in nutrition education and obesity prevention research

**Thomas, Kathleen**, Eshelman School of Pharmacy

January 2020

Children with intellectual and developmental disability & psychoactive medication use

## 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

**Berkowitz, Seth**, School of Medicine  
**Ng, Shu Wen**, Gillings School of Global Public Health  
June 2019  
Will prescribing fruits and vegetables to low-income North Carolinians improve food purchase quality?

**Knittel, Andrea**, School of Medicine  
June 2019  
Recruitment of criminal justice-involved women's partners for HIV pre-exposure prophylaxis

**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

## COVID-19 PILOT GRANT PROGRAM

**Ammerman, Alice**, Gillings School of Global Public Health  
June 2020  
Understanding reach and implementation of school nutrition safety net programs for NC families during COVID-19: implications for policy and practice

**Baxter, Victoria**, School of Medicine  
**Heise, Mark**, School of Medicine  
June 2020  
Effect of Prior Pathogen Exposure on SARS-CoV-2 Pathogenesis and Immunity in Mice

**Lai, Sam**, Eshelman School of Pharmacy  
**Hickey, Anthony**, Eshelman School of Pharmacy; RTI International  
June 2020  
Aerosol immunotherapy against COVID-19 based on muco-trapping mAb

**Mackman, Nigel**, School of Medicine  
**Key, Nigel**, School of Medicine  
June 2020  
Measurement of plasma biomarkers to determine the mechanism of the coagulopathy in COVID-19 patients

**Patel, Mehul**, School of Medicine  
**Mayorga, Maria**, School of Engineering, NC State University  
June 2020  
Integrated Systems Model to Inform State and Local Planning for the COVID-19 Pandemic

**Platts-Mills, Timothy**, School of Medicine  
June 2020  
Emergency Department-Based Advance Care Planning in Patients with COVID-19 Infection: Planning for a Cluster Randomized Trial

**Rizo, Cynthia**, School of Social Work  
**Van Deirse, Tonya**, School of Social Work  
June 2020  
Responding to Violence Victims during COVID-19: Ensuring Equitable Access to Diagnosis, Prevention, and Treatment

**Zamboni, William**, Eshelman School of Pharmacy  
**Heise, Mark**, School of Medicine  
June 2020  
Evaluation of innate immune system (IIS) phenotype on COVID-19 incidence, severity and treatment outcomes

**Zimmerman, Sheryl**, School of Social Work  
**Sloane, Philip**, School of Medicine  
June 2020  
Long-Term Care Settings and Characteristics Associated With Entry and Transmission of COVID-19: A Statewide Study