NC TRACS PILOT PROGRAM GRANT Awardees

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  — Dissemination & Implementation (D&I) Science Awards
  — Duke/UNC-Chapel Hill CTSA Consortium Collaborative Translational Research (T1/T2)
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  — Emerging Challenges in Biomedical Research (ECBR)
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2K AWARD WINNERS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Belger, Aysenil**, School of Medicine
Johns, Josephine, School of Medicine
July 2014
Functional MRI Pilot feasibility of Cocaine effects on Maternal and Reward Neural Circuits
Belger, Aysenil, School of Medicine
Campbell, Alana, School of Medicine
March 2014
Paradigm Development for the Study of Neural Oscillatory Activity Abnormalities in Children with Autism

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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
**$2K Awards cont.**

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

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

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

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

**Carpenter, 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Dilworth-Anderson, 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

Dougherty, Michael, School of Medicine

Azcarate-Peril, M. Andrea, School of Medicine

June 2017

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

Draeger, Reid, School of Medicine

April 2015

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

DuBay, Michaela, School of Medicine

June 2018

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

Dulin, Michael, School of Medicine

January 2009

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

Duncan, Alex, School of Medicine

July 2015

Role of Microbial Community Diversity in Symptomatic Gonococcal Infection

Dunivan, Gena, School of Medicine

March 2009

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

Dunivan, Gena, School of Medicine

March 2009

Obesity and Female Pelvic Floor Dysfunction

Eckel, Stephen, Eshelman School of Pharmacy

August 2014

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

Eisenlohr-Moul, Tory, School of Medicine

Johnson, Jacqueline, School of Medicine

October 2014

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

Elliott-Bynum, Sharon, CAARE, Inc.

Corbie-Smith, Giselle, School of Medicine

October 2012

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

Elsherif, Laila, School of Medicine

December 2012

Targeting Neutrophil Extracellular Traps in Sickle Cell Disease

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

August 2016

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

Evans, Krista, School of Medicine

Charles, Anthony, School of Medicine

May 2012

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

Fabiatto, Kristin, School of Medicine

January 2009

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

Fanarjian, Nicole, School of Medicine

September 2009

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**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

**Girdler, Susan**, College of Arts & Sciences / School of Medicine  
October 2015  
Estradiol fluctuation, the cortisol awakening response and mood in the menopause transition
$2K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Habibi, Sohrab**, College of Arts & Sciences
January 2010
Online-Real Time Microdialysis Pharmacokinetic Method by ICPMS

**Haeri, Sina**, School of Medicine
January 2009
Retrospective Data/Specimen Analysis for Hypothesis Generation, Protocol Development or Assessment of Feasibility

**Hailey, Claire**, School of Medicine
April 2016
Parenting and Reproductive Concerns of Adults with Cystic Fibrosis
Hall, William, Sheps Center for Health Services Research
Chapman, Mimi, School of Social Work
December 2016
A Feasibility Study of an Adapted Cognitive Behavior Therapy Intervention to Treat Depression among Lesbian, Gay, and Bisexual Youth

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

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

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

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

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

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

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

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

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

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

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

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

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

Hogan, Vijaya, Gillings School of Global Public Health
March 2009
Eliminating Disparities in Delivery of Women's Preventive Health Care

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
$2K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Johnson, Nell**, UNC Hospitals  
April 2010  
Epstein Barr Virus (EBV) Reactivation as a Biomarker of Stress in Pregnancy

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

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

**Kelm, Katie**, College of Arts & Sciences  
November 2011  
Decision Fatigue and Impulsive Decision Making
Khairat, Saif, School of Nursing
Sleath, Betsy, Eshelman School of Pharmacy
December 2017
Teleconsent to Overcome Barriers and Gaps in Clinical Trial Enrollment

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

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

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

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

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

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

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

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

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

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

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
**$2K Awards cont.**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Mathes, Wendy Foulds**, School of Medicine  
July 2010  
Impact of Adolescent Binge Eating on Adult Feeding Behavior in Rats

**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  
Mutivariate Analysis of Laboratory Data for Classification of Patients with Disorders of Calcium Homeostasis
McKim, Theresa, 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

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

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

Muhammed, 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
$2K Awards cont.

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

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

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

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

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

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

**Neshteruk, Cody**, Gillings School of Global Public Health

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

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

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

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

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

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

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

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

**Page, Jessica**, Frank Porter Graham Child Development Institute / School of Education

**Lustenberger, Caroline**, School of Medicine
October 2015
Investigating Sleep in Healthy Infants as a Diagnostic Biomarker for Autism Spectrum Disorder

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

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

**Park, Eliza**, School of Medicine
March 2017
Adapting the Parenting Concerns Questionnaire for Patients with Advanced Cancer
Parnell, Brent, School of Medicine
March 2009
Validation of Web-Based Administration of the Pelvic Organ Prolapse/Urinary Incontinence Sexual Function Questionnaire (PISQ-12)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Reuland, Daniel, School of Medicine
Jolles, Monica, Gillings School of Global Public Health
August 2012
Pilot Testing a Combined Intervention of a Spanish Language Colorectal Cancer Screening Decision Aid and Navigation: The CHOICES/OPCIONES Project

Richardson, Taryn, School of Medicine
NLR Expression in Asthma

Ritchwood, Tiarney, 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
$2K Awards cont.

**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

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

**Rowley, Diane**, Gillings School of Global Public Health  
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

**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

**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
$2K Awards cont.

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, Ashley, 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

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

Stewart, Jill, School of Public Health

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

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

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

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

Sun, Xuezheng, Gillings School of Global Public Health  
May 2018  
Integrative Analysis to Identify Epithelium and Stroma Specific Transcriptional Alterations in Benign Breast Tissues

Swahari, Vijay, School of Medicine  
January 2015  
Exploring the role of a novel microRNA in obsessive compulsive disorders
$2K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

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

**Veit, Lindsay**, School of Medicine
April 2010
Exploring the Impact of Hydroxyurea Treatment on Osteonecrosis of the Femoral Head in Patients with Sickle Cell Disease

**Vernali, Michelle**, School of Medicine
November 2012
Investigating the Relationship Between Breslow Depth and iRAK-M Expression in Melanoma
$2K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

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

Willis, Zachary, School of Medicine
April 2017
Assessing variability of antibiotic prescribing
for common pediatric infections in
the UNC Health Care System

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

Won, Christina, Eshelman School of Pharmacy
January 2011
Identification of Clinically-Relevant Intestinal Absorptive
Uptake Transport Protein Inhibitors in Grapefruit Juice
Wise, Nicholas, School of Medicine
June 2016
The effects of Cranial Laser Reflex Technique (CLRT) on hamstring flexibility and strength: a pilot study

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

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

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

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

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

Yukowski, 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
$10K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Gilchrist, Michael, School of Medicine
May 2009
Assessing Communication Gaps Between Physicians After Hospital Discharge: A Proposed Pilot Study

Gookin, Jody, North Carolina State University
October 2009
Defining the Microbiome of Necrotizing Enterocolitis - From Model to Patient Management
Gourlay, Margaret, School of Medicine
October 2009
Osteoporosis and Distal Radius Fractures in Younger Postmenopausal Women

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

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

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

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

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

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

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

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

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

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

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

Jonsson-Funk, Michele, Gillings School of Global Public Health
Camelo Casti
Ilo, Wendy, Gillings School of Global Public Health

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 Hematopoletic 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

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

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

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

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

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

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

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

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

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

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

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

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

Mente, Peter, School of Medicine
January 2010
Chondrocyte Protein Profiling in a Porcine Model of Osteoarthritis to Identify Potential Biomarkers and Therapeutic Interventions

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
$10K Awards cont.

**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 Triallelic SNP with Head and Neck Cancer

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

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

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

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

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

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

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

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

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

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

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

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

**Sanders, Anne**, School of Dentistry
July 2009
Hair Cortisol as a Biomarker of Chronic HPA Axis Response to Stress

**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
$10K Awards cont.

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

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

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

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

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

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

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

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

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

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

Sun, Junjiang, School of Medicine May 2009
Enhancing Joint-Directed Gene Therapy for Hemophiliac 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?

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

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

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

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

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

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

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

Barritt, A. Sidney, School of Medicine  
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
$5-50K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

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

**Conlon, Brian**, School of Medicine
**Blough, Bruce**, RTI International
December 2016
Identification and characterization of compounds that kill persister cells

**Cook, Marc**, NC State University
**Carroll, Ian**, Gillings School of Global Public Health
April 2018
Effect of Gut Butyrate Delivery on Blood Pressure in African Americans with Hypertension

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

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

**Dellon, Evan**, School of Medicine
October 2012
Suppression of Inflammatory Mediators with the Antioxidant Sulforaphane in Eosinophilic Esophagitis
Dennis, Ann, School of Medicine
Integrating HIV Phylogenetics and Sexual Networks to Inform HIV Prevention

Doherty, Irene, School of Medicine
April 2014

Dharod, Jigna, School of Health & Human Services, UNC Greensboro
Food insecurity: How is it Related to Home Food Environment, Pregnancy and Birth Outcomes Among WIC Pregnant Women

Ammerman, Alice, Gillings School of Global Public Health
August 2013

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

Divaris, Kimon, School of Dentistry
August 2015

Duchosin, Stacie, Eshelman School of Pharmacy
May 2016

Evenson, Kelly, Gillings School of Global Public Health
August 2016

Farley, Joel, Eshelman School of Pharmacy
March 2012

Flythe, Jenny, School of Medicine
September 2014

Freburger, Janet, Sheps Center for Health Services Research
April 2014

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

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
$5-50K Awards cont.

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

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

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

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

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

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

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

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

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

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

Kahwati, Leila, RTI International
September 2014
Implementing a Depression Screening and Treatment Toolkit in Primary Care: Innovations from the Field

Kosorok, Michael, Gillings School of Global Public Health
Mayer-Davis, Elizabeth, Gillings School of Global Public Health
Laber, Eric, NC State University
Young, Laura, School of Medicine
April 2018
Development and Optimization of HEDRA, a novel m-health decision support tool for weight and glycemic control in type 1 diabetes

Kreda, Silvia, School of Medicine
Fletcher, Paul, East Carolina University
March 2012
Pharmacological Inhibition of VAMP8 to Control Mucin Secretion in Lung Diseases

Kshirsagar, Abhi, School of Medicine
Krueger, Whitney, RTI International
December 2016
Comparative effectiveness and safety of the high-dose influenza vaccine among patients on dialysis: a feasibility study assessing vaccine uptake and residual bias

Lai, Sam, Eshelman School of Medicine
Fischer, William, School of Medicine
January 2015
Harnessing antibody-mucin interactions to block mucosal Ebola infections

Lalush, David, School of Medicine
Kim, Hong Jin, School of Medicine
May 2016
Utility of PET-MR in Assessing Response to Neoadjuvant Radiation Therapy in the Treatment of High-Grade Sarcomas
Lee, Kristy, School of Medicine
Garg, Seema, School of Medicine
March 2012
A Next-Generation Sequencing Platform for Genetic Diagnosis and Gene Discovery in Patients with Genetically Heterogenous Ophthalmologic Disorders

Leeman, Jennifer, School of Nursing
Wiecha, Jean, RTI International
January 2014
Developing a Tool to Assess Practitioner Capacity to Change Policies and Environments

Levy, Josh, RTI International
Graves, Lee, School of Medicine
January 2014
Generating Kinase Activity Hypotheses Using Causal Reasoning

Linnan, Laura, Gillings School of Global Public Health
Weiner, Bryan, Gillings School of Global Public Health
March 2012
Testing the Feasibility of Promoting Health & Jobs Among Cumberland County Residents: A Demonstration Study

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

Loboa, Elizabeth, School of Medicine
April 2014
Biocompatible, Biodegradable Controlled Release Smart Bandages for Regenerating Skin and Healing Infected Wounds

Lockett, Matthew, College of Arts and Sciences
December 2016
A 3D culture platform for scalable screening of compound libraries for hepatic metabolism and toxicity

Lund, Jenny, Gillings School of Global Public Health
Sanoff, Hanna, School of Medicine
January 2014
Improved Measurement of Patient Frailty and Comorbidity for Targeting Subgroups of Older Adults in Cancer Comparative Effectiveness Research

Madamanchi, Nageswara, School of Medicine
Bowles, Dawn, Duke University
January 2014
Insights into the Function of NOX4 in Atherosclerosis and Heart Failure

Magness, Scott, School of Medicine
August 2013
Intestinal Tissue Engineering: Development of Three-Dimensional Non-Immunogenic Scaffolds from Pig Intestine for Novel Tissue-Based Therapies

Makowski, Liza, Gillings School of Global Public Health
June 2012
Role of the Tissue Factor/FVIIa-PAR-2 Pathway in Obesity

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

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

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

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

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

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

Miller, Ryan, School of Medicine
January 2014
The Role of PIK3CA Mutations in Gliomagenesis and PI3K Inhibitor Sensitivity
$5-50K Awards cont.

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

Muganda, Perpetua, College of Arts & Sciences, N.C. A&T State University
Harrison, Scott, College of Arts & Sciences, N.C. A&T State University
KC, Dukka, College of Engineering, N.C. A&T State University
Prins, Jan, College of Arts & Sciences
April 2014
Role of Viral Factors in Triple-Negative Breast Cancer Pathogenesis

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

Nackley, Andreay, School of Dentistry / School of Medicine
Johnson, Leah, RTI International
September 2014
Extended Release Local Anesthetics for the Treatment of Dental Pain

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

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

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

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

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

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

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

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

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

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

Rathmell, W. Kimryn, School of Medicine
Chong, Wui, School of Medicine
June 2012
Non-Invasive Assessment of Renal Masses in Renal Insufficiency
$5-50K Awards cont.

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 NCPediatrics to Prevent Risky Behavior

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

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

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

Santos, Hudson, School of Nursing
Nephew, Benjamin, Tufts University
May 2016
Postpartum Depressive Symptoms in Latinas: Associations with Oxytocin Function and Stressors

Santelli, Rebecca, School of Medicine
Coe, Christopher, University of Wisconsin-Madison
January 2015
Developing a Nonhuman Primate Model of Prenatal SSRI Exposure

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

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

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

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

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

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

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

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

Smithies, Oliver, School of Medicine
June 2012
Localization of Immune Complex Deposition in the Renal Glomerulus
Stein, Jason, School of Medicine  
December 2016  
Defining the regulatory landscape of developing human neural cell-types

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

50K AWARD WINNERS

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

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

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

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

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

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

Berg, Jonathan, School of Medicine
March 2010
Harnessing the Power of Next-Generation Sequencing to Identify Novel Disease Genes
Boetigger, Charlotte, College of Arts & Sciences
November 2009
Neurocognitive Predictors of Naltrexone Response

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

Bulik, Cynthia, School of Medicine; Gillings School of Global Public Health
November 2009
Biomarker Discovery in Anorexia Nervosa

Carlson, Barbara, School of Nursing
November 2009
Patterns of Cerebral Oxygenation During Sleep and Their Relationship to Markers of Hypoxic Burden and Brain Connectivity in Community Dwelling Older Adults: A Pilot Study

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

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

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

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

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

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

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

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

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

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

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
$50K Awards cont.

**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

**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

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
$50K Awards cont.

**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

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

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

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

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

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

**Tarrant, 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 IKKε 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
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

MULTI-CTSA AWARD WINNERS

Campbell, Sharon, School of Medicine

Sklar, Larry, University of New Mexico
August 2016
Multiplex Repurposing Screen of Oncogenic KRas Mutants

Jenkins, Carolyn, Dept. of Nursing, Medical University of South Carolina

Cykert, Samuel, Dept. of Medicine
July 2014
Transforming Patient-Centered Medical Homes into Medical Communities for Underserved Rural Patients

Corbie-Smith, Giselle, Dept. of Medicine, School of Medicine, UNC-Chapel Hill

Brown, Arleen, Internal Medicine, School of Medicine, UCLA

Burke, Jessica Griffin, Behavioral and Community Health Sciences, School of Public Health, U. of Pittsburgh

Cheney, Ann, Health Services Research, Psychiatric Research Institute, U. of Arkansas Medical Sciences

Cottler, Linda, Epidemiology, College of Medicine and College of Public Health and Health Professions, University of Florida
August 2013
Exploring Trust in Community-Academic Research Partnerships via Concept Mapping
Halladay, Jacqueline, School of Medicine  
Rhyne, Robert, University of New Mexico  
Greiner, Allen, University of Kansas Medical Center  
Salt, Elizabeth, University of Kentucky  
June 2018  
Treating Pain with Acceptance and Commitment Therapy Trial (T-PACT Trial)

Perrin, Eliana, Pediatrics, School of Medicine; Center for Health Promotion and Disease Prevention, UNC-Chapel Hill  
Rothman, Russell, Pediatrics; Vanderbilt Center for Health Services Research, School of Medicine, Vanderbilt University  
Yin, H. Shonna, Pediatrics, School of Medicine, New York University  
May 2013  
Rigorous Dietary Assessment in Two Year Old Children Following an RCT Obesity Prevention Trial

Rhoney, Denise, Eshelman School of Pharmacy, UNC-Chapel Hill  
Hatton, Jimmi, College of Pharmacy, U. of Kentucky  
February 2015  
Optimizing drug doses to improve outcomes of critically ill patients

Stuebe, Alison, OB/GYN, School of Medicine, UNC-Chapel Hill  
Biggio, Joseph, OB/GYN, School of Medicine, University of Alabama, Birmingham  
Saade, George, OB/GYN, School of Medicine, University of Texas Medical Branch, Galveston  
Tita, Alan, OB/GYN, School of Medicine, University of Alabama, Birmingham  
Varner, Michael, OB/GYN, School of Medicine, University of Utah Health Sciences  
Wapner, Ronald, OB/GYN, Columbia University Medical Center  
July 2013  
National Perinatal Research Collaborative: Registry for Adverse Rare Events (RARE)

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

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

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

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

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

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

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

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

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

Parise, Leslie, School of Medicine
Kireev, Dmitri, Eshelman School of Pharmacy
September 2014
Targeting CIB1 in Triple Negative Breast Cancer
**Risselada, Marije**, North Carolina State University  
**Sokolksy-Papkov, Marina**, Eshelman School of Pharmacy  
September 2016  
Theranostic Implantable Dual Sustained Release (IDSR) Chemotherapeutic Formulation of Carboplatin with Cell Specific Targeting for Treatment of Residual Tumors and Nodal Metastatic Spread in Melanoma

**Strachan, Ryan**, School of Medicine  
August 2018  
ADSoRB: a novel in vitro drug screening platform for rapid isolation of lead compounds from complex ligand libraries

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

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

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

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

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

**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

**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

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

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

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

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

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

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

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

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

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

TRANSLATIONAL TEAM SCIENCE AWARDS (TTSA)

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

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

Burks, Wesley, School of Medicine  
Pardo-Manuel de Villena, Fernando, School of Medicine  
May 2016  
Development and characterization of an improved translational model of peanut allergy
Calhoun, Ben, School of Medicine
Nyante, Sarah, School of Medicine
Troester, Melissa, Gillings School of Global Public Health; School of Medicine
June 2018
Integration of Molecular, Epidemiologic, and Histopathologic Markers for Risk Stratification of Benign Breast Disease

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

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

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

Davis, Rich, School of Medicine
Hirsch, Matthew, School of Medicine
Gilger, Brian, North Carolina State University
May 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

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

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

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

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

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

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

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

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

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

IMPROVING HUMAN HEALTH AWARDS

Button, Brian, School of Medicine
Boucher, Richard, School of Medicine
July 2015
Measurement of Mucus Properties as Biomarkers for CF/COPD

Chang, Emily, School of Medicine
Chong, Wui, School of Medicine
Dayton, Paul, School of Medicine
Rathmell, W. Kimryn, School of Medicine
July 2015
CEUS CKD (CEUS for Complex Kidney Lesion Diagnosis)

Swanstrom, Ronald, School of Medicine
May 2016
The Development of High-throughput Protocols for the Detection of HIV-I Drug Resistant Markers Using Primer ID and Next Generation Sequencing
Tully, Kristin, Gillings School of Global Public Health
August 2016
The Design and Development of Infant Side-Car Bassinets for the Postnatal Unit

Zhou, Otto, College of Arts and Sciences
January 2016
A low-dose and high-sensitivity 3D intraoral imaging device for improving oral health

CAROLINAS COLLABORATIVE

Anderson, Deverick, Duke University
Dusetzina, Stacie, UNC-Chapel Hill
Pajewski, Nicholas, Wake Forest University
Willis, Zachary, UNC-Chapel Hill
August 2017
Antibiotic prescribing in North Carolina before and after an FDA boxed warning on fluoroquinolones in 2016

Chung, Arlene, School of Medicine, UNC-Chapel Hill
Wagner, Lynne, School of Medicine, Wake Forest University
LeBlanc, Tom, School of Medicine, Duke University
Smeltzer, Phil, College of Medicine, Medical University of South Carolina
May 2016
Harmonization of Patient-Reported Outcomes Across Three CTSAs: Leveraging EHRs to Enable Comparative Effectiveness Research to Improve the Quality of Cancer Care

Clowse, Megan, Duke University
Oates, James, Medical University of South Carolina
August 2017
Pregnancies in women with Lupus in the Carolinas Collaborative (PLiCC) Cohort: Validation of computable phenotypes with existing Registries in order to study the role of socio-demographic disparities on pregnancies in women with lupus

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

Tailor, Tina, School of Medicine, Duke University
Henderson, Louise, School of Medicine, UNC-Chapel Hill
Chiles, Caroline, School of Medicine, Wake Forest University
October 2018
Detection of Coronary Artery Calcification in the Lung Cancer Screening Population: Clinical Implications for Cardiovascular Risk Stratification and Statin Pharmacotherapy
2K STAKEHOLDER ENGAGEMENT VOUCHER

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

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

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

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

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

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

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

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

**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, Yiscan**, 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
Snyder, Kyle, NC State University
December 2017
A Feasibility Study to Assess Delivery of Automated External Defibrillators (AED) via Drones

EMERGING CHALLENGES IN BIOMEDICAL RESEARCH (ECBR)

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

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

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

Meeker, Rick, School of Medicine
April 2017
Inflammation, Aging and Alzheimer Disease Vulnerability

Stuebe, Alison, School of Medicine / Gillings School of Global Public Health
Whitney, Ana, UNC Health Care
August 2018
Human centered-design to assess and address social determinants of health in maternity care

CHER/ISP: PROMOTING HEALTH EQUITY BY INCLUDING UNDERREPRESENTED PARTICIPANTS IN RESEARCH GRANTS

Agans, Robert, Gillings School of Global Public Health
August 2018
Supplementing RDD Telephone Surveys with RDS to Oversample Gender Minorities: A New RDD+RDS Approach

Propper, Cathi, College of Arts and Sciences
August 2018
Prenatal nutrition and child cognitive outcomes at age 4 in an African American sample: Contributions of infant sleep and race-related stress