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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
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
March 2016
Eating Disorder Symptoms During Perimenopause

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Campo, Rebecca, School of Medicine
April 2015
Pilot study to assess the feasibility and acceptability of an 8-week mindful self-compassion video-chat group-based intervention for young cancer survivors
**Canipe, Grant**, College of Arts & Sciences  
December 2015  
Indicators of MCI progression in the aging population: Combining electrophysiological and behavioral measures

**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

**Casanova, Lisa**, Gillings School of Global Public Health  
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

**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

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
$2K Awards cont.

**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

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

**Fanarjian, Nicole**, School of Medicine  
September 2009  
Effect of Provision of Free Levonorgestrel (LNG) Intrauterine Device (IUD) on Pregnancy Rates Among Uninsured Women in Central and Eastern North Carolina

**Farel, Claire**, School of Medicine  
**Wohl, David**, School of Medicine  
January 2014  
HIV Infection and African American Women Incarcerated in a Southern State Prison System
$2K Awards cont.

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

**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

**Giscombe, Cheryl**, School of Nursing  
January 2009  
An Investigation of the Acceptability and Cultural Relevance of Meditation as a Health Intervention for African Americans
$2K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

Hailey, Claire, School of Medicine
April 2016
Parenting and Reproductive Concerns of Adults with Cystic Fibrosis
**$2K Awards cont.**

**Hall, William**, Sheps Center for Health Services Research  
December 2016  
A Feasibility Study of an Adapted Cognitive Behavior Therapy Intervention to Treat Depression among Lesbian, Gay, and Bisexual Youth

**Chapman, Mimi**, School of Social Work  
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  
February 2017  
Associations Between the Biological and Structural Components of Cartilage Health following Acute Loading in Healthy Participants

**Harrup, 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  
February 2017  
Qualitative study of transitional care clinics for children and young adults with chronic health problems

**Hawke, Roy**, Eshelman School of Pharmacy  
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

**Hazard, Milan**, 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
Houghton, Damon, 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
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
Skinner, Ashley, Duke University
October 2017
Understanding how primary care providers from diverse practice settings approach chronic pain in older adults: A systems science study

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

Kelm, Katie, College of Arts & Sciences
November 2011
Decision Fatigue and Impulsive Decision Making
$2K Awards cont.

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

**McKim, Theresa**, College of Arts and Sciences
- Boettiger, Charlotte, College of Arts and Sciences
  - June 2014
  - Investigating the role of stress in potentiating habitual behavior
McKim, Theresa, College of Arts and Sciences
October 2012
Addiction History and COMT Genotype are Independently Associated with Impairments in Learning and Replacing Arbitrary Stimulus-Response Associations

McLean, Sean, School of Medicine
June 2010
Determination of Molecular Pathways Responsible for Pulmonary Hypertension in Sickle Cell Disease

Meltzer-Brody, Samantha, 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

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

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

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

Mollison, Lonna, School of Medicine
April 2018
Assessing the Viewpoints of African American Parents regarding Population-Level Age-Based Genetic Screening in Newborns and Children, and Evaluating the Impact of Medical Accessibility

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

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

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

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

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

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

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

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

Myers, Joseph, College of Arts & Sciences
October 2010
Ultrasoundographic 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

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
$2K Awards cont.

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

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

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

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

**Rogers, Jen**, School of Medicine
February 2013
Mechanism and Markers of Seropositive Lupus
$2K Awards cont.

**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

**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

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

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
$2K Awards cont.

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

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

Thomas, Nancy, School of Medicine
Alldredge, Virginia, School of Medicine
April 2012
Evaluating Expression of KLK-10 in BRAF Mutant Versus Wild Type Melanoma

Thomas, Tainayah, Gillings School of Global Public Health
Samuel-Hodge, Carmen, Gillings School of Global Public Health
Golin, Carol, Gillings School of Global Public Health; School of Medicine
March 2018
Mixed Methods Approach to Examine Prediabetes Screening, Follow-up Care & Clinical Guideline Implementation

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

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

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

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

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

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

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

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

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

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

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

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

Wallace, Deshira, Gillings School of Global Public Health
Barrington, Clare, Gillings School of Global Public Health
Lytle, Leslie, Gillings School of Global Public Health
March 2018
Experiences of stressors and their effect on engagement in health behaviors for Latinos at high-risk of developing type 2 diabetes
Wang, Xiang (Simon), Eshelman School of Pharmacy
January 2009
Structure-based Development of Allosteric Modulators for Adenosine Receptor A2A to Treat Human Cardiovascular Diseases and Neurodegenerative Diseases

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

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

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

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

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

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

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

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

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

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

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

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
$2K Awards cont.

**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

**Zolnoun, Denniz**, School of Medicine  
January 2009  
Endometriosis: An Evaluation of Long Term Surgical Outcomes

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

10K AWARD WINNERS

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

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

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

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

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

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

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

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

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

**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
$10K Awards cont.

**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
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

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

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

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

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

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

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

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

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

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

**Koeck, Kathleen**, Eshelman School of Pharmacy  
Hawke, Roy, Eshelman School of Pharmacy  
February 2011  
Role of Transport Proteins in the Hepatic Disposition of Natural Products Used in Patients with Liver Disease
Kohn, Harold, Eshelman School of Pharmacy  
February 2009  
A Tale of Two Antiepileptics: Seeking Neurological agents with more diverse structure and function

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Ostrowski, Lawrence, School of Medicine  
July 2009  
Development of Monoclonal Antibodies for Improved Diagnosis of PCD
$10K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Smith, Sophia**, Gillings School of Global Public Health  
July 2010  
Quality of Life in Non-Hodgkin Lymphoma Survivors: A Follow-Up Study
**$10K Awards cont.**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**5K-50K AWARD WINNERS**

**Abel, Kristina**, School of Medicine

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

**Adunka, Oliver**, School of Medicine

**Fitzpatrick, Douglas**, School of Medicine  
October 2011  
Intraoperative Measures of Hearing Preservation
$5-50K Awards cont.

**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

**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

**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

**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?
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 2014
Aggressive End-of-Life Care Among Patients with Cancer Under Age 65: Analysis of the HealthCore Integrated Research Database

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

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

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

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

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

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

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

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

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

Dharod, Jigna, School of Health & Human Services, UNC Greensboro
Ammerman, Alice, Gillings School of Global Public Health
August 2013
Food insecurity: How is it Related to Home Food Environment, Pregnancy and Birth Outcomes Among WIC Pregnant Women

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

Domino, Marisa, Gillings School of Global Public Health
September 2014
Primary Care Innovation and Technology Diffusion
$5-50K Awards cont.

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

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

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

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

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

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

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

**Giudice, Jimena**, School of Medicine
April 2018
Mechanotransduction and alternative splicing in muscle cell biology

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

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

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

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

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

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

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

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

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

**Hirsch, Matthew**, School of Medicine
Samulski, Richard, School of Medicine
April 2014
Correction of Cornea-Associated Vision Loss in Hurler Patients Post-Bone Marrow Transplantation
$5-50K Awards cont.

Ideraabdollah, 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

Kreder, 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
$5-50K Awards cont.

**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

**Ming, Xin**, Eshelman School of Pharmacy
October 2011
Targeted Delivery of RNAi Therapeutics for Chronic Kidney Diseases
$5-50K Awards cont.

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 Interational

April 2018

Feasibility of Evaluating Biopsychosocial Indicators of Stress Reactivity in At-Risk Adolescents to Inform Self-Regulation Interventions

Nackley, Andrey, School of Dentistry / School of Medicine

Johnson, Leah, RTI International

September 2014

Extended Release Local Anesthetics for the Treatment of Dental Pain

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

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
$5-50K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

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

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
LaForrett, 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
$50K Awards cont.

**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
$50K Awards cont.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Elbogen, Eric**, School of Medicine
November 2009
Innate Immune Inhibition in a New Rat Lung Transplant Survival Model Using Non-Heart-Beating Donors

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

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

**Frazier-Bowers, Sylvia**, School of Dentistry
April 2009
Determining a Genotype-Phenotype Correlation in Ectodermal Dysplasias and Non-Syndromic Tooth Agenesis
$50K Awards cont.

**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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Wang, Xiaodong**, Eshelman School of Pharmacy
March 2010
Developing Small Molecule Inhibitors of 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

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

**Yuan, Hong**, School of Medicine
November 2009
Imaging Brain Tumor Hypoxia Using (64)Cu-ATSM Positron Emission Tomography

**Zhang, Yi**, School of Medicine
April 2009
Generation and Characterization of Patient Specific iPS Cells for Beta-Cell Replacement Therapy for Type 1 Diabetes
Zhou, Otto, College of Arts & Sciences  
April 2009  
Nanotechnology Enabled Compact Microbeam Radiation Therapy System for Cancer Treatment and Research

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

**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  
May 2013  
Biomarker and Biomechanical Predictors of Osteoarthritis in ACL-Injured Patients

Marshall, Steven, Epidemiology, Gillings School of Global Public Health; Injury Prevention Research Center  
Key, Nigel, School of Medicine  
January 2010  
UNC U54 Application for Translational Research Centers in Thrombotic and Hemostatic Disorders (TRC-THD)

Evans, James, School of Medicine  
April 2010  
The UNC Comprehensive Individual Molecular Atlas Project

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

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

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

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

**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  
Rhiney, 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

Saaade, 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, Yeohung, 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, Yeohung, 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
Zieberth, Noel, University of Miami
September 2016
Design of Atomic Force Microscopy Based Intraocular Pressure Assessment Instruments: Phase I

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Magne, 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

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**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

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

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

Gershon, Timothy, School of Medicine  
Wilhelmsen, Kirk, School of Medicine  
July 2017  
Analyzing clonal diversity to improve risk stratification and therapy for medulloblastoma

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

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

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

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

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

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**

**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

**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

**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

**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

**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 2016  
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, Yiscah, RTI International  
Long, Millie, School of Medicine  
August 2016  
A Novel Method to Obtain Electronic Health Record Data for Comparative Effectiveness and Translational Science Research

Nielsen, Matthew, School of Medicine  
April 2018  
The Opioid Research Data Hub: A New Approach for Data Linkage

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

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

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

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

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

Rosamond, Wayne, Gillings School of Global Public Health  
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