

## Selected Recent Publications of Vanderbilt University MPH Graduates

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*\*These Authors Contributed Equally to This Work*

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## Recent Grants Awarded to Vanderbilt University MPH Graduates

**Boord TG.** Role of Fatty Acid-Binding Proteins in Macrophage Foam Cell Formation. PI: J.B. Boord) 2002-2004. Research Career Development Award, Department of Veterans Affairs Research Service.

**Boord TG.** 2002 Role of Macrophage Fatty Acid-Binding Proteins in Foam Cell Formation. PI: J.B. Boord. American Diabetes Association Junior Faculty Award - Grant relinquished due to budgetary/scientific overlap.

**Boyce TG.** Co Investigator. Mechanisms for susceptibility to Invasive Pneumococcal disease in Asthmatics. Funded by National Institute of Allergy and Infectious Diseases. (R01 A1 56 133).

**Boyce TG.** Mayo Clinic Transplant Center Grant, Mayo Clinic, 2004. The Value of Quantitative Epstein-Barr Virus Monitoring in Predicting the Development of Post-Transplant Lymphoproliferative Disease.

**Boyce TG.** Mayo Clinic CR20 Grant (intramural), Mayo Clinic, 2000. Rates of RSV-associated Hospitalization in Children.

**Boyce TG.** Mayo Clinic CPI10 Grant (intramural), Mayo Clinic, 2001. Practice Guidelines for the Prevention and Treatment of Infections in Pediatric Transplant Recipients.

**Boyce TG.** Mayo Clinic CR20 Grant (intramural), Mayo Clinic, 2001. Pertussis vaccination and the risk of respiratory syncytial virus associated hospitalization.

**Carroll KN,** Vanderbilt Clinical Research Scholars Program. "Complaints following Emergency Department Visits and Medical Error/Follow-up Adherence". National Center for Research Resources:K12 17697. 2003-2006.

**Carroll KN,** Principal Investigator, "Population Based Screening for Thyroid Disease in Children with Down Syndrome". APA Young Investigator Program. 2005-2006.

**Carroll KN,** Co-Investigator, "Maternal and Infant Effects of Treated and Untreated Depression during Pregnancy". NIH/NIMH (R03 MH 077902-01) 2006-2007.

**Carroll KN,** Principal Investigator, "Risk Factor Determination for Asthma after Bronchiolitis". Parker B. Francis Fellowship in Pulmonary Medicine. 2007-2010.

**Carroll KN,** Principal Investigator, "Severity and Etiology of Infant Bronchiolitis and Development of Childhood Asthma". NIH K01 Career Development Award 2007-2012.

**Cooper WO,** Principal Investigator, Effect of Medicaid Policies on Health Care Utilization and Health Outcomes for Children@. Generalist Physician Faculty Scholars Program, Robert Wood Johnson Foundation, (#36816), 1999-2004.

**Cooper WO,** Principal Investigator, TennCare Gaps for Children: Asthma Clinical Outcomes@ Agency for Health Care Research and Quality, (#R01 HS10249-01A1), 2000-2003.

**Cooper WO.** Principal Investigator, “Infant Outcomes Following Prenatal Drug Exposure” Food and Drug Administration, (223-02-3003), 2002-2005.

**Cooper WO,** Investigator, Vanderbilt Center for Education in Research and Therapeutics@ Agency for Healthcare Research and Quality (#U18HS10384-01). 2002-2011.

**Cooper WO,** Investigator, “Asthma Disparities in Cohorts at Risk for Morbidity” National Heart, Lung, and Blood Institute, (#U01 HL 072471). 2002-2007.

**Cooper, WO,** Investigator, “ Medicaid MCOs and Suboptimal Pediatric Care” Agency for Health Care Research and Quality” (K02 HS 013076). 2003-2006.

**Cooper, WO,** Investigator, “Developing Evidence to Inform Decisions about Effectiveness: The DEcIDE Network” Agency for Healthcare Research and Quality. 2005-2007

**Cooper, WO,** Investigator, “Postmarketing Safety Evaluations Using Large Automated Healthcare Data Systems” Food and Drug Administration (#223200210010C). 2005-2010.

**Cooper, WO,** “ADHD Medications and Cardiovascular Outcomes” Food and Drug Administration (#223200210010C – revision) 2006-2007.

**Cooper WO,** Antidepressants and Suicidality in Children and Adolescents in TennCare. National Institutes of Mental Health. R01 MH79903, PI: William O. Cooper. 1/1/08-12/31/2011  
This project **Cooper WO,** investigates the relationship between antidepressants and suicide-related healthcare outcomes in children and adolescents enrolled in TennCare.

**Cooper WO,** ADHD Medications and Adverse Cardiovascular Outcomes. Agency for Healthcare Research and Quality. HSA290-2005-0042-I-TO2-WA2. P I: William O. Cooper (Lead PI, Steering Committee Chair, Coordinating Center Director) 9/3/07-9/2/09. This study is funded through the Vanderbilt DECIDE network (Marie Griffin, DECIDE PI) and is designed to assess the relationship between ADHD medication exposures and cardiovascular outcomes.

**Cooper WO,** “Vanderbilt Center for Education and Research in Therapeutics” Agency for Health Care Research and Quality. U18 HS10384, PI: Wayne A. Ray. Role on project: CERT Associate Director and Principal Investigator for these CERT projects: Erythromycin and pyloric stenosis, Corticosteroids in children, Category X drug use in pregnancy, Trends in antipsychotic use in children, Effect of regulatory warnings on antidepressant use, Improving health outcomes for children with sickle cell disease, SSRI antidepressant exposures during pregnancy and adverse fetal outcomes, 9/1/02-8/31/11 (renewed for 3<sup>rd</sup> cycle, 9/30/07)  
The CERT is an interdisciplinary center designed to fill critical gaps in the knowledge base about medication use for vulnerable populations served by Medicaid and the Veterans’ Health Administration.

**Cooper WO,** Developing Evidence to Inform Decisions about Effectiveness: The DEcIDE Network. HSA290-2005-0042, Agency for Healthcare Research and Quality. PI: Marie R. Griffin. Role on project: Project manager for pediatric studies/Principal Investigator for ADHD study. 9/1/05-8/31/09. The DECIDE network conducts accelerated practical studies about the outcomes, comparative clinical effectiveness, safety, and appropriateness of health care items and services.

**Cooper WO,** Postmarketing Safety Evaluations Using Large Automated Healthcare Data Systems. 223-2002-100-10C, Food and Drug Administration. PI: Wayne A. Ray. Role on

project: Co-investigator, Principal Investigator for these projects: ADHD exposure and cardiovascular outcomes feasibility, SSRI exposures during pregnancy, Oral contraceptives and cardiovascular risk. 10/1/05-9/30/10. This contract provides a mechanism for investigation of postmarketing safety questions relevant to evaluating medication safety in large automated healthcare data systems.

**Cooper WO**, Vanderbilt Multidisciplinary Clinical Research Center. P60 AR07001, National Institute of Arthritis & Musculoskeletal & Skin Disorders. PI: Charles M. Stein. Role on project: PI for Project 3: Fetal outcomes following rheumatologic drug exposures in pregnancy. The purpose of the Multidisciplinary Clinical Research Center is to perform research to utilize an extensive research base to improve outcomes for patients with rheumatologic diseases.

**Crech CB.** *A Longitudinal Study of MRSA Colonization in College Sports Participants* NIAID K23-AI074830-01A1 10/08 – 10/11 *A Longitudinal Study of MRSA Colonization in College Sports Participants.* The goal of this grant is to longitudinally define the clinical and molecular epidemiology of *S. aureus* colonization and disease in a cohort of healthy college sports participants.

**Crech CB.** *Staphylococcal Colonization in Women and Newborns (SWAN Study)* IDSA/SHEA Young Investigator Award in MRSA Research 1/08 – 12/09  
The goal of this award is to define the clinical and molecular epidemiology of *S. aureus* colonization during pregnancy, at the time of delivery, in the immediate post-partum period, and in early infant life.

**Crech CB.** *Detection of S. aureus Vaginal Colonization in Pregnant Women.* Monroe Carell, Jr. Children's Hospital at Vanderbilt Children's Fund 7/07 – 6/09  
The goal of this project is to provide preliminary data for understanding the dynamics of staphylococcal colonization in women and their newborns at delivery.

**Crech CB.** NIAID Vaccine Treatment & Evaluation Unit 6/07 – 12/13  
Edwards (PI), Crech (Lead Investigator) A Phase I randomized, controlled, dosage-escalation trial to evaluate the immunogenicity, safety, and reactogenicity of an Adenovirus Type 35-based circumsporozoite malaria vaccine in healthy adults 18 to 45 years of age. **Merck, Inc 1/08 – 1/10**

**Crech CB.** *Efficacy of Staphylococcal Vaccine V710 in Cardiothoracic Surgery Patients* (Vanderbilt PI) Cubist Pharmaceuticals 5/08 – 6/09

**Crech CB.** (Vanderbilt PI) *Efficacy and Pharmacokinetics/Pharmacodynamics of Daptomycin in the Treatment of Skin and Soft-Tissue Infections in Pediatrics.*

**Daniels TL**, "Agency for Healthcare Research and Quality": Vanderbilt Health Services Research Training Program. (5T32HS013833) 2005-2007.

**Deshpande, J**, Principal Investigator, Tennessee Emergency Medical Services for Children State Partnership Grant, Bureau of Maternal and Child Health and Resource Development, 2004- 2007.

**Deshpande, J**, Collaborating Investigator (Ted Speroff, Principal Investigator) Agency for Health Care Research and Quality Safe Critical Care: Testing Improvement Strategies, 2005-2008.

**Deshpande, J**, Principal Investigator, Public Health Injury Surveillance and Prevention Program, Research/Scientific Consulting, 2005- 2008.

**Eisenberg E**, Investigator, Dioxin and Steroid Regulation in an Endometriosis Model  
TCDD (dioxin) has been linked to the development of endometriosis. The studies in this grant focused on the ability of TCDD to disrupt progesterone action in vitro and in a nude mouse model of endometriosis. G7041337 12/15/97-12/14/02 Environmental Protection Agency

**Eisenberg E**, Investigator, Uterine Biology and the Pathophysiology of Endometriosis  
This project investigated the regulation of MMPs by progesterone and progesterone-mediated factors in the establishment and progression of endometriosis. U54 HD37321. 4/15/99-3/31/05 NIH/NICHD

**Eisenberg E**, Co-investigator, Parke-Davis Research, BELLES Study, a Multi-Center Trial Beyond Endorsed Lipid Lowering with EBCT Scanning. 1999-2000

**Eisenberg E**, Principal Investigator, Development of a Curriculum Combining Menopause and Epidemiologic Concepts for Ob/Gyn Residency Training. 2001-2002

**Goins W**. *Evaluation of the Immunogenicity, Safety, Reactogenicity, Efficacy, Effectiveness and Lot Consistency of FluBlock™ Trivalent Recombinant Baculovirus-Expressed Hemagglutinin Influenza Vaccine In Healthy Adults Aged 18 to 49*. Sub-Investigator. Funding: Protein Sciences Corporation; Protocol Number PSC04; Principal Investigator: John J. Treanor, MD. Site Principal Investigator: Keipp Talbot, MD, MPH; July 2007 – 2008

**Goins W**. *The Impact of Pertussis Vaccination on Healthcare Workers*. Sub-Investigator: Funding: Centers for Disease Control and Prevention; Grant # 1 U01 IP000095-01; Principal Investigator: Tom Talbot, MD, MPH; September 2006 – Present

**Grijalva, C**, Principal Investigator, Agency for HealthCare Research and Quality  
R03 HS016784-01 (2007-2009) The impact of the pneumococcal conjugate vaccine on pneumonia hospitalizations

**Grijalva, C**, Principal Investigator, Centers for Disease Control and Prevention  
K01IP000163-01 (2007-2010) Evaluating the Impact of a Large School-based Influenza Immunization Campaign

**Grijalva, C**, Principal Investigator, Center for the Americas – Vanderbilt University  
International Incubator - Approaches to prevent pneumonia in Peruvian children.

**Grogan EL**, Vanderbilt Physician Scientist Development (VPSD) Program, Vanderbilt University School of Medicine, 2008-2010. Predicting Lung Cancer with a Serum Protein Test.

**Grogan EL**, Principal Investigator, Vanderbilt University School of Medicine, Improving Documentation of Patient Acuity Level using a Progress Note Template, 2002-2004. Grant 5K30HL04128. NIH K30 Clinical Research Training Curriculum.

**Halasa N**, Phase I randomized, double blind trial of the safety and immunogenicity of FluMist a live, intranasal influenza virus vaccine vs. placebo in Immunocompromised children ages 5 through 17 years of age. 2005-2008.

**Halasa N**, Principal Investigator, “Neonatal Immunization with Acellular Pertussis Vaccines”

2005-2008.

**Halasa N**, Principal Investigator, "Evaluation of Serum Antibody and Cell-Mediated Immune Responses to Pertussis Antigens and Influenza Among Infants and Toddlers" 2005- current.

**Halasa N**, Vanderbilt International Office Grant for exchange program with Dr. Najwa Khuri-Bulos, Jordan University. N.B. Halasa, P.I. 2007.

**Halasa N**, Children's Fund Award. CASTLES proposal, Monroe Carell Jr. Children's Hospital at Vanderbilt. N.B. Halasa, P.I. 2007 – 2009.

**Halasa N**, Viral Surveillance in Cystic Fibrosis Patients, CTSA Pilot Grant, Vanderbilt University. N.B. Halasa, P.I. 2008

**Hartert TV**, Principal Investigator, Prescribing Practices as Predictors for Recurrent Hospital Admission for Asthma and Asthma Death in the Elderly Patient@ Merck/AFAR Fellowship in Geriatric Clinical Pharmacology, 1997-1999.

**Hartert TV**, Principal Investigator, Medication Use in Assessing and Improving Asthma Control@. K08 Mentored Clinical Scientist Development Award, National Institutes of Health, National Institute of Allergy and Immunology Diseases, 1999-2004.

**Hartert TV**, Principal Investigator, Viral Infection and Outcomes During Asthma Hospitalization@ American Lung Association Clinical Research Award, 2000-2002.

**Hartert TV**, Principal Investigator, Viral Infections and Outcomes During Asthma Hospitalization@ Merck Young Investigator Award, 2000.

**Hartert TV**, Principal Investigator, ADietary Antioxidants and Incidence of Adult-Onset Asthma@. NIH R01 Research Grant Application 2003-2008. [Awarded]

**Hartert TV**, Principal Investigator, "Asthma Disparities in Cohorts at High-risk for Morbidity" NIH 2002-2007.

**Hartert TV**, Does Asthma Increase the Risk of Pneumococcal Disease? CDC 2003-2004.

**Hartert TV**, "Modifiable risk factors for severe RSV bronchiolitis among hospitalized infants" Thrasher Research Fund 2004-2007.

**Hartert TV**, "Maternal and Infant Effects of Treated and Untreated Depression during Pregnancy" 2006 – 2008, NIH R03 MH 077902-01, P.I.: Tina V. Hartert, M.D., M.P.H. Project overview: To determine the measurable effects of pharmacotherapy for depression and untreated depression in asthmatic and non-asthmatic pregnant women.

**Hartert TV**, Institutional Clinical and Translational Science Award, CTSA (U54) P.I. Gordon Bernard, M.D. 2007 – 2012, Role: Co-investigator. Co-Director for Research Training, Education, and Career Development, and Member, CTSA Executive Committee (Tina V. Hartert, MD, MPH). Project overview: NIH has created a national consortium that will transform how clinical and translational research is conducted, ultimately enabling researchers to provide new treatments more efficiently and quickly to patients. Led by NCRRT, this new consortium, funded through Clinical and Translational Science Awards (CTSAs), begins with [12 academic health centers](#) located throughout the nation.

**Hartert TV**, Vanderbilt Environmental Health Science Scholars (VEHSS) K12 Institutional Patient-Oriented Career Development Programs in the Environmental Health Sciences. 2007 – 2012. Co PI: Tina V. Hartert, MD, MPH and Nancy J. Brown, MD. Project overview: This program will develop patient-oriented researchers committed to a career in environmental health research and equipped to function within and lead multidisciplinary teams of researchers to enhance understanding of environmental disease and improve health.

**Hartert TV**, “Midcareer Investigator Patient-Oriented Research Award in Bronchiolitis and Asthma” 2008 – present K24 NIH Midcareer Investigator Award PI: Tina V. Hartert, MD, MPH. NIH Project overview: Midcareer investigator award to determine the role of environmental and genetic factors on the development of bronchiolitis and asthma, and to train other clinical investigators in this area.

**Hartert TV**, Enhanced Surveillance for New Vaccine Preventable Diseases 2004-2009. U01 IP000022 (CDC). Edwards (PI) Title Role: Co-investigator, Tina V. Hartert, MD, MPH. Project overview: The primary objectives of this project are to assess issues related to provider use of newly licensed vaccines, to conduct serologic surveillance of two-year old children receiving routine immunizations, and to enhance influenza surveillance and influenza awareness in Middle Tennessee and to measure the impact of these efforts on vaccine uptake and treatment of influenza illness.

**Hartert TV**, Vitamin D and the Severity of Infant Bronchiolitis and Risk of Early Childhood Asthma. 2008-2010. CTSA Internal Grant. PI: Tina V. Hartert, MD, MPH. Project overview: To determine the association between maternal and early childhood vitamin D levels and infant viral respiratory tract infection severity and early childhood asthma.

**Hartert TV**, Comparing the Sensitivity and Specificity of Multiplex PCR Assay with Individual Real Time RT-PCR for Respiratory Viral Diagnostics. 2008-2009. CTSA Internal Grant. PI: Tina V. Hartert, MD, MPH. Project Overview: It is imperative in our work that our exposure of interest is carefully defined. As there is no available data on the sensitivity and specificity of several PCR techniques, this investigation supports the comparison of the two most widely used molecular techniques for respiratory viral pathogen identification using biospecimens from our TCRI cohort.

**Hartert TV**, An Informatics-Based Guideline Implementation Framework for Asthma Care. 2008 – 2010. R21 NIH / NLM. PI: Dominick Aronsky, MD, PhD, Role: Co-investigator, Tina Hartert, MD, MPH. Project overview: The goal of this project is to examine the impact of a new sustainable informatics approach for implementing clinical guidelines for asthma through the application of an integrated information technology infrastructure.

**Hartert TV**. National Children’s Study (2009 – 2014). PI: Beech, B and Hartmann K Role: Co-investigator, Tina Hartert, MD, MPH. Project overview: One of 36 US sites to take a comprehensive look into the interaction of genes and the environment and the impact of that interaction on children’s health. The National Children’s Study will follow 100,000 children from before birth to age 21.

**Hartert TV**, Vitamin D Receptor Polymorphisms and the Relationship to Bronchiolitis Severity 2008 – 2009. Center for Human Genetics Research Grant. PI: Hartert T. This project utilizes available biospecimens from Dr. Hartert’s Tennessee Children’s Respiratory Initiative to assess the relationship between polymorphisms in both the maternal and infant vitamin D receptor and infant bronchiolitis severity.

**Higgins MS**, Transforming Healthcare Quality Through Information Technology Planning Grant: Improving the Quality and Safety of Regional Surgical Patient Care Through the Creation of a Multi-institutional Partnership for the Implementation and Support of Perioperative Informatics Tools. NIH/AHRQ RFA HS 04-010. 2004-2006

**Higgins MS**, "Vigilance System© Surgical Safety Advanced Technology Program". 2006-2008. DOD/TATRC

**Holzman MD**, Laparoscopic Suturing: A Video Manual. Ethicon Endosurgery, Inc. Unrestricted Educational Grant. Funded March 1999.

**Holzman MD**, Laparoscopic Resident Training Grant. Ethicon Endosurgery, Inc. Funded August 2000.

**Holzman MD**, Documentation Improvement Study: Improving Academic Surgical Service. Documentation of Patient Acuity Level Using Structured Progress Notes. Vanderbilt Institutional / Departmental, 2000.

**Holzman MD**, A prospective, randomized, double blinded, multicenter trial assessing the safety and efficacy of sequential (intravenous/oral) BAY 12-8039 (moxifloxacin) 400 mg every 24 hours compared to intravenous piperacillin/tazobactam 3.375 grams every 6 hours followed by oral amoxicillin/clavulanic acid suspension 800 mg every 12 hours for the treatment of patients with complicated intra-abdominal infections. BAYER Protocol 100272. Funded July 2001.

**Holzman MD**, Small intestinal submucosa for abdominal wall hernias repairs; the biological response. (IACUC #M/01/085/Full).

**Holzman MD**, A multi-center trial investigating endoscopic submucosal delivery of radiofrequency energy to the muscle of the lower esophageal sphincter and gastric cardia for the treatment of recurrent gastroesophageal reflux disease in patients with previous anti-reflux surgery. Curon Protocol #1001.

**Hulgan T**. "HIV and Global Drug Therapies: Peripheral Neuropathy Complications and Mechanisms" 1R01 NS063932. 07/01/2008-06/30/2013 .NIH/NIAID Key Study Personnel; Shikuma, Cecilia (PI) The proposed project will support the assessment of the role of genetic polymorphisms in the development of neuropathy within the SEARCH 003 protocol. SEARCH 003 is a 72-week randomized clinical trial comparing the safety and efficacy of three initial antiretroviral regimens – GPO-VIR S (d4T/3TC/NVP) for 24 weeks followed by GPO-VIR Z (AZT/3TC/NVP) vs GPO-VIR Z vs TDF/FTC/NVP- among antiretroviral-naïve subjects in Bangkok, Thailand.

**Hulgan T**, Principle Investigator. Exploratory/Developmental Research Grant Award- NIH/NINDS. "Mitochondrial Genomics and Peripheral Neuropathy during HIV Therapy". This study will utilize existing clinical trial and observational study data and DNA from adult HIV-infected participants from ACTG studies 384 and A5117, and the Nerve Project to explore associations between variation in the mitochondrial genome and peripheral neuropathy resulting from antiretroviral therapy. (R21 NS059330-01) 2007-2009.

**Hulgan T**, Oxidant Stress and Antioxidants during HIV therapy. K23 AT002508-01. 9/15/04-5/31/08.

**Hulgan T**, Mitochondrial Predictors of Drug-Induced Neuropathy. Vanderbilt-Meharry Center for

AIDS Research 09/01/04-08/31/05 Interdisciplinary Developmental Core Award.

**Hulgan T**, HIV Therapy, Oxidant Stress, and Peripheral Neuropathy” Vanderbilt-Meharry Center for AIDS Research Interdisciplinary Developmental Core Award 01/1/04-12/31/04

**Jerome RN**, Co-Investigator. Medical Library Association Information Specialist in Context contract “Envisioning the Information Specialist in Context: A Multi-Center Study to Articulate Roles and Training Models.” April 2004 – September 2005.

**Jerome RN**, Co-Investigator, NLM Grant No. 1 R01 LM007849 (Revised). The Clinical Informationist: Does the Model Work? June 15, 2003 - June 14, 2006.

**Kallianpur AE**, Iron, Oxidant Stress, and Related Genetic Polymorphisms in Breast Cancer Purpose: To examine the role of iron and oxidative-pathway genetic polymorphisms in breast carcinogenesis. NIH K-12 Mentored Career Development Award (BIRCWH Program) 7/01/04 - 6/30/2007

**Kallianpur AE**, VA TREP HSR&D (Theodore Speroff, PI) 10/01/03 - 10/30/08  
Center for Patient Healthcare Behavior - Purpose: To characterize the contribution of patient behavior to shaping the organizational dynamics of care and the self-management of chronic illness.

**Khaitan L**, Society of American Gastrointestinal Endoscopic Surgeons 2001 Research IGrant, Ethicon Endosurgery. Prevalence of reflux in the hypopharynx following medical and surgical treatment: A prospective study.

**Melekhin VV**, **Vanderbilt Physician-Scientist Development Program (Brown N)** 07/01/08-07/01/11

“Changes in HIV-1 Immune Responses Associated with Pregnancy” Role: Mentored PI  
Co-mentors: Timothy R. Sterling and Spyros A. Kalams This is a study of immunologic factors associated with pregnancy and HIV-1 infection

**Melekhin VV**, The Vanderbilt Institute for Clinical and Translational Research (VICTR) UL1  
This program provides resources for those who conduct research in all aspects of clinical and translational research. 1 UL1 RR024975 (Bernard G). 06/01/08-05/31/09 NCRR/NIH

**Melekhin VV**, “Female Genital Tract Immune Responses and Immune Activation”. NIH/NIAID. Role: Co-Investigator. This project will characterize local cellular restriction and replication of human immunodeficiency virus type 1 (HIV-1) in the female reproductive tract (FRT). The long term goal is development of interventions to limit infectious virus production from some, and prevent infection of other, FRT cells. 1P01 TBD (Cu-Uvin S). 03/01/09-02/28/14

**Melekhin VV**, “Changes in HIV-1 Immune Responses Associated with Pregnancy”  
Role: Mentored PI. Co-mentors: Timothy R. Sterling and Spyros A. Kalams. This is a study of immunologic factors associated with pregnancy and HIV-1 infection. 1K23 AI080227-01A1 (Melekhin V). 4/01/09-03/31/14. NIH/NIAID

**Neuzil KM**, Principal Investigator, Seattle Site, Trial of Varicella-Zoster Vaccine for the Prevention of Herpes Zoster and its Complications, Department of Veterans Affairs Cooperative Study #403, 1999-2004.

**Neuzil KM**, Principal Investigator, The Burden of Influenza Illness in the Veteran Population, Unrestricted Educational Grant from Glaxo Wellcome Worldwide Epidemiology. 2000-2001.

**Neuzil KM**, Principal Investigator, RSV-Associated Morbidity in Adults Aged Greater Than 50 Years, Unrestricted Educational Grant From Aventis-Pasteur. 2000-2002.

**Neuzil KM**, Principal Investigator, The Effect of Influenza on School and Family Life, Glaxo Wellcome Worldwide Epidemiology. 2000-2001.

**Neuzil KM**, Principal Investigator, Diagnosing Influenza in a Highly Immunized, High Risk Veteran Population, Department of Veterans Affairs Epidemiology Pilot Project. 2001-2002.

**Neuzil KM**, Principal Investigator, Seattle site, Comparative randomized study of safety and immunogenicity of a non-adjuvanted respiratory syncytial virus vaccine vs an RSV vaccine adjuvanted with aluminum phosphate in high-risk adults 65 years of age and older, Aventis-Pasteur. 2002-2004.

**Neuzil KM**, Principal Investigator, Seattle site, PARIS: PCV-7 Adult dose-Ranging Immunization Study, Centers for Disease Control and Prevention, 2003-2004.

**Neuzil KM**, Co-investigator, Vaccine Safety Datalink Project (Lisa Jackson PI ), Centers for Disease Control and Prevention, 2002-2012.

**Patel NR**, A Prospective Controlled Trial Examining the Side Effect Profile of Continuous Aerosolized Levalbuterol in the Treatment of Severe Status Asthmaticus. Role: Principal Investigator. Funded by Sepracor 4/1/2000-6/30/2000.

**Patel NR**, A Retrospective Chart Review of Pediatric Critical Care Patients with Respiratory Syncytial Virus (RSV) Disease, 1997-1999, Role: Principal Investigator. Funded by Medimmune. 1/1/2000-6/30/2000.

**Patel NR**, Effects of Inhaled Nitric Oxide in the Treatment of Acute Hypoxemic Respiratory Failure in Pediatrics. Role: Co-Investigator – Multi-center Study. Funded by iNO Therapeutics 1/11/2002- 1/11/2004.

**Patel NR**, Asthma Disparities in Cohorts at Risk for Morbidity. Principle Investigator: James Sheller, MD Department of Medicine. Role: Co-Investigator. U01 HL 072471-01 9/30/2002 – 9/29/2007.

**Patel NR**, Bar Coding Technology and Patient and Employee Safety. Principle Investigator: Bentzi Karsh, PhD, University of Wisconsin. Role: Co-Investigator RO1HS013610-01. 9/1/2003-2/28/2007.

**Patel NR**, Computerized Pediatric Dosing Decision Support in a Pediatric Critical Care Unit. Role: Principle Investigator. Society of Critical Care Medicine Patient Safety Grant. 1/1/2004 – 12/31/2005.

**Patel NR**, Clinical Process Control Improvements with a Bedside Computerized Blood Glucose & Insulin Therapy Protocol for Blood Glucose Control In Adult & Pediatric Intensive Care Unit Patients. Principle Investigator: Alan H. Morris, MD, University of Utah. Role: Co-Investigator . HHSN268200425210C . 9/30/2004 – 9/29/2007

**Poehling KA**, Investigator, “Impact of Vaccine on Influenza Disease in Young Children”. K23 A165805. 2005-2010.

**Poehling KA**, Co-Investigator, Vaccine Surveillance Network. Centers for Disease Control. 2003-2007.

**Poehling KA**, Co-Investigator, “Does Asthma Increase the Risk of Pneumococcal Disease?” Association of Teachers of Preventive Medicine, Subaward of CDC. 2002-2003.

**Poehling KA**, Co-Investigator, “Evaluation of immune responses to natural influenza infection in children 6 months to 5 years of age” Unit project grant on the Vaccine Treatment Evaluation Unit. 2002-2005

**Poehling KA**, Principal Investigator, “Rapid Diagnostic Testing and Acute Respiratory Illnesses of Childhood. Robert Wood Johnson Foundation’s Generalist Physician Faculty Scholars Program”. 2003-2007.

**Poulose BK**, Natural Orifice Surgery Consortium for Assessment and Research Cost Effectiveness Analysis of Transgastric Cholecystectomy, Transvaginal Cholecystectomy, and Laparoscopic Cholecystectomy: Projected Long Term Outcomes and Complications Evaluation, University Hospitals Case Medical Center, Department of Surgery, Cleveland, OH 2008, Principal Investigator – Benjamin K. Poulose, M.D., M.P.H.

**Poulose BK**, Cook Biotech. Histologic and Tensile Characteristics of Perforated versus Non-Perforated Small Intestine Submucosa Used as a Bioprosthesis 2003. Vanderbilt University School of Medicine, Department of Surgery, Nashville, TN. Principal Investigator – Michael D. Holzman, M.D., M.P.H.

**Poulose BK**, National Research Service Award Training Grant Recipient (T32, HS 13833-01) Health Services Research in Bariatric Surgery. Vanderbilt University School of Medicine, Departments of Preventive Medicine and Surgery, Nashville, TN. Principal Investigator – Marie R. Griffin, M.D., M.P.H.

**Puzanovova, ML**, UNC Seed Grant Program (R24 DK067674) Autonomic reactivity in response to laboratory induced mental stress in children with IBS, 2007-2008

**Puzanovova, ML**, Ruth L. Kirschstein National Research Service Award (T32 HD44328) Pediatric patient oriented research grant supporting physicians in their early years of clinical research. I was awarded this support upon acceptance into the MPH program. 2005-2007.

**Rauth TP**. Investigator initiated Study Grant for “Pressure Directed Lap-Bank Adjustment”, Co-Investigator, Ethicon Endosurgery; April 2007.

**Rogers SO**, Medical Insurer’s Medical Error Prevention Study. 2001-2005.

**Rogers SO**, A Multicenter, Randomized, Double Blind, Comparative Trial of Intravenous MERREM vs PRIMASIN I. V. in the Treatment of Hospitalized Subjects with Complicated Skin and Skin Structure Infections. 2002-2003

**Rogers SO**, Cancer Care Outcomes Research and Surveillance Consortium. 2002-2006.

**Rogers SO**, Surgical Workload and Outcomes. 2003-2004

**Rogers SO**, Efficacy and Safety of Drotrecogin Alfa in Adult Patients with Early Stage Severe Sepsis: F1K-MC-EVCL. 2003

**Rogers SO**, Preceptor. T32 "Research Training in Alimentary Tract Surgery". NIH 7/04-6/09

**Rogers SO**, Care Outcomes Research and Surveillance Consortium. 06/02-06/07 NCI/Minority Supplement Co-PI

**Rogers SO**, Augmented Injury Due To Autologous Inflammatory Attack (*P50 ended in 2008 but received an extension that continues to 2011*) 09/08-08/11. NIH/FD Moore. Co-PI

**Rogers SO**, Multicenter Study of Duration of Antibiotic for Intraabdominal Infections. 09/07-08/12 NIH/R01 Sawyer. Co-PI

**Rogers SO**, Procedural Complications Associated with Attending Physician Extended-Duration Work Shifts 12/07-11/08 Hatch Foundation /J Rothschild Co-PI

**Rogers SO**, Disparities in Surgical Care: Access to Outcomes. 07/08-07/09. NIH/1R13MD003054-01 PI

**Rogers SO**, Project 1: Trauma Center Cores: Clinical Core". 09/08-08/11. NIH-NIGMS/R00000000004625 PI

**Rosenbloom ST**, Principal Investigator, "Testing Evaluation Metrics for Interface Terminologies" 1 K22 LM08576-01. National Library of Medicine, NIH. 2005-2008.

**Rosenbloom ST**, Investigator, "Pharmacogenetics of Phase II Drug Metabolizing Enzymes. 3 U01 GM61388-03S1. Pharmacology, Physiology, and Biological Chemistry Division, NIGMS, NIH.

**Roumie CL**; Principal Investigator. Implementation of Targeted Evidence Based Clinical Improvements To Overcome Clinical Inertia VA HSR&D Career Development Award (90%) RCD 04-342-2 July 1, 2006- 2009

**Roumie CL**; Risk of Cardiovascular Disease with Insulin and Oral Hypoglycemic Meds (VA HSR&D Career development Transition Award) PI: Christianne L. Roumie (80% July 2009- June 30, 2011) Career development Transition award to provide another 2 years of salary support while conducting the research described in the VA Merit award.

AHRQ 27-EHC Addressing Knowledge Gaps in Type 2 Diabetes Therapeutics: Comparative Effectiveness and Safety of Oral Antidiabetic Drugs PI: Marie R. Griffin, MD , **Investigator: Christianne L. Roumie**. We will provide information on relative effectiveness and safety of specific oral hypoglycemic medications for initial treatment of diabetes. Outcomes include proximal outcomes of safety and effectiveness: such as weight change, hemoglobin A1C reduction, change in lipid profiles and hypoglycemic admissions. Distal outcomes include time to cardiovascular event and time to renal replacement therapy or the halving of GFR.

VA Merit (IIR 08-074-1) Risk of cardiovascular disease with insulin and oral hypoglycemic meds (Pending) **PI: Christianne L. Roumie, MD** To identify clinically relevant means of reducing the risk of cerebrovascular and cardiovascular disease. This proposal seeks to compare the effectiveness of various hypoglycemic medication combinations in preventing important clinical endpoints such as hospitalization for myocardial infarction or stroke. This project will primarily

serve the interests of veterans by identifying best strategies for reducing adverse cardiovascular events and optimizing care for veterans with Diabetes.

Implementation of Targeted Evidence Based Clinical Improvements To Overcome Clinical Inertia VA HSR&D Career Development Award RCD 04-342-2 PI- **Christianne L. Roumie, MD** (July 1, 2006- 2009) The objective of this research is implementation of quality improvement strategies and prevention of cardiovascular outcomes. She will facilitate collaboration with other cardiovascular and quality improvement researchers to translate findings into sustainable clinical interventions. The research plan is designed to develop a strong working relationship with colleagues in the implementation and quality improvement sciences.

Pharmacist Intervention for Low Literacy in Cardiovascular Disease (PILL-CVD) 1R01HL089755-01 (October 2007- 2010) PI: Sunil Kripalani, MD Investigator- **Christianne L. Roumie, MD**. The objective of this research is to reduce the incidence of serious medication errors during the first 30 days after hospital discharge among patients hospitalized with acute coronary syndromes (ACS) or heart failure (HF) exacerbation. We will conduct a randomized controlled trial of a literacy-sensitive, pharmacist-based intervention in 862 patients discharged from the general medicine service at two academic medical centers: Vanderbilt University and Brigham and Women's Hospital.

VA HSRD Planning Grant for Improving Implementation of best practices VISN / HSR Collaborative (IMV 04-091-1) PI- Theodore Speroff, PhD Co- Investigator- **Christianne L. Roumie, MD**

VA HSR&D 03-073 Targeted Research Enhancement Program Center for Patient Healthcare Behavior (2005-2008) PI- Theodore Speroff, PhD Investigator- **Christianne L. Roumie, MD**

VA R&D CRCoE Tennessee Valley VA Clinical Research Center of Excellence PI- Marie R. Griffin MD MPH, Investigator- **Christianne L. Roumie, MD** (October 2004- June 30, 2006)

**Shankar SM**, Principle Investigator, "Daily assessment of stress and sickle cell pain" Vanderbilt University Discovery Grant. 2004-2006

**Shankar SM**, Collaborator, "Metabolic Consequences of Sickle Cell Anemia in Adolescence Role" NIH/NIGMS 2001-2006.

**Shankar SM**, Co-Investigator, "Protein Requirements in Sickle Cell Anemia" NIH/NIGMS 2003-2007.

**Shankar SM**, Principle Investigator, "Impact of comprehensive care for sickle cell disease on health outcomes in children" Turner's Scholar Award. 2003-2005

**Smalley WE**, Co-Investigator. A Center for Education in Research and Therapeutics@ Agency for Health Care Research and Quality (#2-U18HS10384-04).

**Talbot HKB**, Principal Investigator, "Adult flu hospitalizations: evaluating diagnostic methods and vaccine effectiveness" March 2008 – March 2012

**Talbot HKB**, Principal Investigator, A Phase III , Randomized, Active-Controlled, Modified Double-Blinded Trial, Evaluating the Safety, Tolerability and Immunogenicity of a 13-valent Pneumococcal Conjugate Vaccine, January 2008 – March 2009

**Talbot HKB**, Principal Investigator, Phase III evaluation of the novel influenza vaccine FluBIØk, September 2007- August 2008

**Talbot HKB**, Principal Investigator: RO3 Epidemiology of Human Coronavirus, [5R03AI068069-02](#), awarded February 1, 2007

**Talbot HKB**, Investigator: VTEU protocol Epidemiology of Human Coronavirus; Local Principal Investigator: James Crowe, MD. Contract through Vanderbilt Vaccine Trial and Evaluation Unit, NIAID DMID trial contract #N01-AI-25462.

**Talbot HKB**, Investigator: VTEU protocol Influenza Infections in Adults; Local Principal Investigator: Kathryn Edwards, MD. Contract through Vanderbilt Vaccine Trial and Evaluation Unit, NIAID DMID trial. Contract #N01-AI-25462.

**Talbot TR** Principal Investigator, The impact of Pertussis Vaccination of Healthcare Workers. September 2006-2009. Centers for Disease Control and Prevention U01 IP000095-01.

**Talbot TR** Investigator, A randomized, placebo-controlled, phase I/II, dose-ranging study of the safety, reactogenicity, and immunogenicity of intramuscular inactivated influenza A/H5N1 vaccine given alone or combined with adjuvants in healthy adults, January 2006 – March 2006. Local Principal Investigator: Kathryn Edwards, MD. Contract through Vanderbilt Vaccine Trial and Evaluation Unit, NIAID DMID trial #04-062, contract #N01-AI-25462.

**Talbot TR** Investigator, Immunogenicity and safety of a split, inactivated, trivalent influenza vaccine administered by intradermal route compared to an intramuscular vaccination with Fluzone® in healthy adults, October 2005 – April 2006. Local Principal Investigator: Kathryn Edwards, MD. Contract through Vanderbilt Vaccine Trial and Evaluation Unit, NIAID DMID trial #05-0075, contract #N01-AI-25462.

**Talbot TR** Investigator, Safe Critical Care: Testing Improvement Strategies, July 2005 – July 2007. Agency for Healthcare Research and Quality, grant # HS015934-01

**Talbot TR**, Investigator: Pilot study examining viral shedding following receipt of intranasal live attenuated influenza vaccine, November 2003- present. Contract through Vanderbilt Vaccine Trial and Evaluation Unit, NIAID DMID contract #N01-AI-25462.

**Talbot, TR**, Principal Investigator: A comparison of dressing preparations for smallpox vaccination sites with a focus upon the risk of secondary transmission of vaccinia virus, July 2003 - present. Contract through Vanderbilt Vaccine Trial and Evaluation Unit, NIAID DMID trial #03-044, contract #N01-AI-25462.

**Zhang X**, Soy Food Consumption and Bone Health in Breast Cancer Survivors (K12-BIRCWH) 2007 – 2010. Principal Investigator.

**Zhang X**, Inflammatory Biomarkers and Colorectal Cancer Risk. 2007-2011. Co-Investigator, R01, PI: Gong Yang

**Zhang X**, Soyfood and Coronary Heart Disease in Women. 2005 – 2009. Co-Investigator, (R01, PI: Xiao-Ou Shu)

**Zhang X**, Cancer Risk Reduction and Diet: A Cohort Study of Women. 2003 – 2008.

(R01, PI: Wei Zheng)