



For Immediate Release

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**Doris Duke Charitable Foundation Announces
\$8 Million in Grants to Strengthen the Clinical Research Pipeline**

NEW YORK, July 31, 2014 – The Doris Duke Charitable Foundation (DDCF) announced today the recipients of \$8 million in grants through the Clinical Scientist Development Award and the Clinical Research Mentorship programs. Both programs aim to strengthen the clinical research field by providing opportunities that help advance the careers of young scientists.

“The Clinical Research Mentorships and Clinical Scientist Development Awards exemplify the foundation’s deep commitment to bolstering the field of clinical research by encouraging young people to enter research, and providing early career investigators with support as they make the critical shift into independent careers,” said Betsy Myers, program director of the Medical Research Program.

The Clinical Scientist Development Award provides funding for physician-scientists as they transition to independent research careers. This year, the program will award a total of \$7.5 million to seventeen researchers working in a broad range of areas – from Crohn’s disease to pediatric movement disorders. These three-year grants provide \$486,000 to the young clinician investigators, enabling them to secure 75 percent of their professional time for clinical research as they establish their own labs and research teams. One awardee, Stephen Oh, will be co-funded by the Damon Runyon Cancer Research Foundation for his study of myeloproliferative neoplasms, a group of diseases affecting bone marrow.

Since 1998, the foundation has awarded 235 Clinical Scientist Development Awards totaling over \$101 million. A list of the individuals selected to receive the 2014 awards appears on page 3.

The Clinical Research Mentorship supports the development of a mentoring relationship between a DDCF-funded clinical scientist and a medical student who has an interest in becoming a future clinician investigator. Ten teams of medical students and investigators previously funded through the foundation will receive \$64,800 each for one-year projects. Each student will take a year out from medical school to participate in a full-time clinical research experience.

Since its inception in 2013, DDCF has awarded \$1.3M in Clinical Research Mentorship grants. See page 4 for a full list of the research teams.

About the Doris Duke Charitable Foundation

The mission of the Doris Duke Charitable Foundation is to improve the quality of people's lives through grants supporting the performing arts, environmental conservation, child well-being and medical research, and through preservation of the cultural and environmental legacy of Doris Duke's properties. The foundation's Medical Research Program supports clinical research that advances the translation of biomedical discoveries into new preventions, diagnoses and treatments for human diseases. To learn more about the program, visit www.ddcf.org.

2014 CLINICAL SCIENTIST DEVELOPMENT AWARDEES

Wael Asaad, M.D., Ph.D.

Brown University

Breaking Beta: Decoding and Manipulating Critical Neural State Transitions in Parkinson's Disease

Eran Bendavid, M.D.

Stanford University

Rigorous Evaluations of Global Health Programs and Policies

Kathrin M. Bernt, M.D.

University of Colorado

Targeting DOT1L in MN1-high Acute Myeloid Leukemia

Chetan Bettegowda, M.D., Ph.D.

Johns Hopkins University

Blood Based Biomarkers for Hereditary Cancer Syndromes Using Neurofibromatosis 1 as a Model

Alex R. Carter, M.D., Ph.D.

Washington University in St. Louis

Understanding How Different Therapies Reshape Brain Networks to Promote Stroke Recovery

Ilseung Cho, M.D.

New York University

Hypermethylation as a Microbiome-Mediated Epigenetic Phenomenon in CIMP(+) Colorectal Cancers

Todd E. Druley, M.D., Ph.D.

Washington University in St. Louis

Functional Characterization of Deleterious Germline Variability in MLL3 in Infant Leukemia

Edward C. Hsiao, M.D., Ph.D.

University Of California San Francisco

Dissecting Human Osteoprogenitor Function using iPS Cells

Michael C. Kruer, M.D.

Sanford Research, University of South Dakota

New Insights into Molecular Mechanisms Driving Pediatric Movement Disorders

Edward B. Lee, M.D., Ph.D.

University of Pennsylvania

Transcriptional Silencing of C9orf72 in Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration

Brian R. Lindman, M.D.

Washington University in St. Louis

Novel Prediction Models for Patient-Centered Clinical Outcomes after Transcatheter Aortic Valve Replacement for Aortic Stenosis

Ta-Chiang Liu, M.D., Ph.D.

Washington University in St. Louis

Small Intestinal Paneth Cell Phenotype in Crohn's Disease: Clinical Relevance and Genetic Associations

Steven A. Lubitz, M.D., MPH

Massachusetts General Hospital

Improving Stroke Care by Predicting Atrial Fibrillation

Stephen Oh, M.D., Ph.D.

Washington University in St. Louis

Targeting Aberrant Signaling Pathways in Myeloproliferative Neoplasms (Doris Duke-Damon Runyon Clinical Investigator)

Daniel L. Popkin, M.D., Ph.D.

Case Western Reserve University

Pharmacologic NK harness to Seek and Destroy the HIV Reservoir

Rebecca J. Scharf, M.D., MPH

University Of Virginia

Early Predictors and Biomarkers of Cognition and Growth in Impoverished Children

Cyndya A. Shibao, M.D.

Vanderbilt University

Racial Differences in Vagal Control of Glucose Homeostasis

2014 Clinical Research Mentorship Awardees

Sunil Ahuja, M.D., *Distinguished Clinical Scientist Award (2008)*

University of Texas Health Science Center at San Antonio

Mentee: Elizabeth Levine, University of Texas Health Science Center at San Antonio

Project: Uncovering Determinants of House Dust Mite Pathogenesis by Use of an Allergen Challenge Chamber, Conditionally Reprogrammed Cells and Cas9 nuclease technology

Keith A. Choate, M.D., Ph.D., *Clinical Scientist Development Award (2011)*

Yale University

Mentee: Young Lim, Yale University

Project: Genetics and Pathobiology of Cutaneous-Skeletal Hypophosphatemic Syndrome and Erythrokeratoderma Variabilis

Alan D'Andrea, M.D. *Distinguished Clinical Scientist Award (2000)*

Dana Farber Cancer Institute

Mentee: Jonathan Pike, Indiana University

Project: Elucidation of DNA Repair Pathway Changes Responsible for Controlling Tumor Development, Progression, and Treatment Response in Anal Squamous Cell Carcinoma

Thomas Darling, M.D., Ph.D., *Clinical Scientist Development Award (2001)*

Henry M. Jackson Foundation for the Advancement of Military Medicine

Mentee: Neera Nathan, George Washington University

Project: Defining Phenotypes of Mosaic mTORopathies

Michael DeBaun, M.D., M.P.H., *Clinical Scientist Development Award (1999)*

Vanderbilt University

Mentee: Leah Vance, Vanderbilt University

Project: Inhaled Corticosteroid Use to Prevent Acute Chest Syndrome Recurrence in Children between 1 and 4 with Sickle Cell Disease: A Feasibility Trial

Charis Eng, M.D., Ph.D., *Distinguished Clinical Scientist Award (2002)*

Cleveland Clinic Foundation

Mentee: Huan Zhang, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

Project: Metagenomic Profiling of Oral Polymicrobial Flora in Mobile Tongue Squamous Cell Carcinoma

Rasheed Gbadegesin, M.D., *Clinical Scientist Development Award (2009)*

Duke University

Mentee: Shan Elahi, Duke University

Project: Identification of New Non-invasive Diagnostic Tools for Vesicoureteric Reflux (VUR)

Deborah Hung, M.D., Ph.D. *Clinical Scientist Development Award (2008)*

Massachusetts General Hospital

Mentee: David Miranda, Johns Hopkins University

Project: A Rapid Diagnostic Tool for Infectious Diseases and Antibiotic Resistance

Adam Ratner, M.D., M.P.H., *Clinical Scientist Development Award (2009)*

Columbia University

Mentee: Kathleen Breeding, Columbia University

Project: The Vaginal Microbiota: A New Target for Prevention of Group B Streptococcus Colonization and Disease

Agata Smogorzewska, M.D., Ph.D., *Clinical Scientist Development Award (2011)*

Rockefeller University

Mentee: Elizabeth Looke-Stewart, Weill Medical College of Cornell University

Project: Identification and Functional Analysis of Genomic Alterations in Anogenital and Head and Neck Squamous Cell Carcinomas from Fanconi Anemia Patients