

High Impact Discoveries by UAB CFAR Members
Association of increased chronicity of depression with HIV appointment attendance, treatment failure, and mortality (JAMA Psychiatry 2018)
Solving the protein structure and membrane interaction of the cytoplasmic tail of gp41 (Structure 2017)
Myocardial Infarction Among Human Immunodeficiency Virus Infected Individuals in the United States (JAMA Cardio 2017)
Autologous adaption predicts faster HIV disease progression (Nat Med. 2016)
Survival by Race/Ethnicity and Sex Among Treated, HIV-infected Adults in the United States (CID 2015)
Beyond Core Indicators of Retention in HIV Care: Missed Clinic Visits Are Independently Associated With All-Cause Mortality (CID 2014)
Kinase control of latent HIV-1 infection: PIM-1 kinase as a major contributor to HIV-1 reactivation. (J Virol 2014)
The transcription factor Foxp1 is a critical negative regulator of the differentiation of follicular helper T cells. (Nat Immunol 2014)
PRIOR BUDGET PERIODS
Established the role of drugs with primary and secondary cell-differentiating capacity are potent HIV-1 reactivating agents and should be explored in HIV-1 cure research (J Virology 2012)
Integrate Patient Reported Outcomes, a series of brief, validated behavioral questionnaires, into clinical practice and use the data for cohort research (CID 2012)
Develop the concept of Viremia Copy Years (VCYs) for use in quantifying the detrimental effects of ongoing viral replication on morbidity and mortality in HIV-infected patients (CID 2011)
Exploring the zoonotic origins of HIV-1 (Nature 1999; Nature 2006; Science 2006) and Identifying the transmitted HIV-1 envelope and complete genome/proteome responsible for HIV infection (PNAS 2008)
Leading the first-in-human phase 1 clinical studies of 7 currently approved therapies (NEJM 1993; Nat Medicine 1998; JAMA 2006)
Spearheading neutralizing antibodies (Nature 2003)
Highlighting HIV-1 escape from cytotoxic T-cells (Nat Medicine, 1997)
Understanding viral dynamics in acute and chronic infection (NEJM 1991; Nature 1995)
Discovery of HIV-1 quasispecies diversity (Nature 1988); the detection of HIV-1 RNA in plasma