Vanderbilt Laboratories for Innovations in Global Health Technologies (LIGHT)
ViA Award, Cycle 2015

What We Do:

• Develop robust, simple-to-use technologies in a multidisciplinary research environment for the four billion people at the base of the global healthcare pyramid.

• Create collaborative opportunities across Vanderbilt and the globe for discovery and translation of new diagnostic technologies, while fashioning new approaches for integrating this discovery with learning.

• Establish a shared rapid-prototyping resource center for the conversion of your paper napkin sketches into functioning low resource devices.

Why We Do It:

• Offer hope to people in poorest regions by improving rapid diagnostic tests for diseases such as HIV, tuberculosis and malaria.

• Improve patient outcomes by connecting them quickly and seamlessly with point-of-care facilities.

• Lessons learned in the low-resource environment of the developing world can be translated to the low-resource environments in our own back yard...for the homeless, rural populations and native American tribal lands.

Who’s Involved?

College of Arts & Science
David Wright (PI), Dean of Sciences, Stevenson Professor of Chemistry
David Cliffel, Professor and Chair of Chemistry

School of Engineering
Rick Haselton, Professor of Biomedical Engineering
Cynthia Paschal, Associate Dean of School of Engineering, Associate Professor of Biomedical Engineering, Associate Professor of Radiology and Rad Sciences

Vanderbilt University Medical Center (VUMC)
David Aronoff, Associate Professor, Medicine, Div. of Adult Infectious Disease
Douglas Morgan, Associate Professor, Medicine, Div. of Gastroenterology, Hepatology, & Nutrition

Trans-Institutional Programs