

## Bankhead-Coley Cancer Research Program

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*2011 Program  
Bridge  
(1 year project)*

**Project Title:** Confocal Endomicroscopy for Colorectal Neoplasia

**Project Summary:** Screening for colorectal cancer with colonoscopy is effective, safe, and widely used in the United States. Colonoscopy can detect small growths called 'polyps' but many of these will never become cancer; however, the only way to currently determine this is to remove the polyp and perform examination through standard microscope, a procedure which increases the risk and cost of colonoscopy. In this study, we will determine whether a novel fiber-optic miniature microscope can accurately detect and classify pre-cancerous growths inside the colon, and thus limit biopsy only to those growths that are pre-cancerous.