Full Title: Biofilm Epidemiology and Mechanisms of Colon Cancer

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Study Objectives:
- To define the frequency, durability and composition of bacteria biofilms in normal colon tissues
- To elucidate if and by which mechanism(s), bacterial or host, these biofilms induce cancer-promoting changes in the colon mucosa
- To establish a sample bank to enable subsequent studies to explore potential biomarkers that correlate with carcinogenic colon biofilm formation that would facilitate early diagnosis of colon neoplasia

Inclusion Criteria:
- Adults ages 18-85
- Have an intact colon or have had a hemi-colectomy
- Are able to undergo colonoscopy and colon biopsy
- Are able to complete the study questionnaire
- Are able to provide mouth swish, stool, urine, and blood samples

Exclusion Criteria:
- Individuals with inflammatory bowel disease
- Patients with a history of using blood thinners or antiplatelet drugs (i.e. Coumadin, Plavix, Pradaxa, Savaysa, and Xarelto) will be excluded due to the danger of bleeding.
• Special classes of subjects such as pregnant women, children, prisoners or other institutionalized individuals will not be selected.

**Affiliations & Sponsors**
- Johns Hopkins Clinical Research Network
- NIH

**Status**
- Closed to Enrollment

**Keywords**
- colonoscopy
- colon cancer
- biofilm