Key questions defining research program:

- Can we identify biomarkers for early detection of colorectal cancer?
- Can we use an immunoprevention/vaccine approach to preventing colon cancer?
- How can we better assess colonoscopy quality?
- What is optimal implementation of surveillance colonoscopy?

Key words describing research program:

- Prevention of colon cancer
- Early detection of colon cancer
- Quality of colonoscopy
- Implementation of screening

Titles for shovel-ready research projects:

- To be developed based on interests of resident

Data sources for shovel-ready research projects:

- Colonoscopy Outcomes Research Project (database of colonoscopy/pathology reports in UPMC system since 1990s)
- Digestive Disease Tissue Resource (biospecimens from patients undergoing colonoscopy and colorectal surgery, N=4000)