Key questions defining research program:
1) Can we define subgroups of patients which comprise inflammatory bowel disease (IBD)?
2) Can we predict which patient groups are at risk of severe disease?
3) Can we predict which patients will respond to specific forms of therapy?
4) Can we determine the impact of diet/nutrition on the natural history of IBD?
5) Can we develop predictive biomarkers to help with IBD patient prognostication?

Key words describing research program:
1) Big Data and Precision Medicine
2) Predictive analytics
3) Metadata
4) Phenotyping
5) Trajectory analysis

Titles for shovel-ready research projects:
1) Identifying biomarkers of severity in IBD
2) Predicting dysplasia/cancer in IBD patients with multiyear serum biomarkers
3) Dietary patterns of IBD patients in prolonged remission
4) Association of endoscopic findings with clinical trajectories in IBD
5) Identifying clinical factors contributing to high cost IBD patients

Data sources for shovel-ready research projects:
1) UPMC IBD Research Registry
2) UPMC Nutrition Research Registry