Key questions defining research program:
1) What are the mechanisms underlying the development of metabolic dysfunction in sepsis?
2) How can we prevent metabolic dysfunction in critically ill patients?
3) What role does the microbiome play in the pathogenesis and progression of ARDS?
4) How can we better define phenotypes of and develop novel therapeutics for ARDS?
5) How can we provide higher quality care for critically ill patients?

Key words describing research program:
1) Sepsis
2) ARDS
3) Microbiome
4) Metabolic dysfunction
5) Nutrition in critical illness

Titles for shovel-ready research projects:
1) Metabolic dysfunction in critical illness – how does it happen and how can we prevent it
2) The microbiome – another organ system to consider in the ICU
3) Phenotypes and therapies for ARDS
4) MICU Quality Improvement

Data sources for shovel-ready research projects:
1) Animal models of sepsis and ARDS
2) Acute Lung Injury Registry and Biospecimen Repository
3) ARDS clinical trials