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Key questions defining research program:

- What causes diabetes in humans?
- What pathophysiological factors contribute to metabolic perturbations in type 2 diabetes?
- How can this knowledge be exploited to create new treatment options for type 2 diabetes in humans?

Key words describing research program:

- Diabetes research in humans: etiology and treatment
- Pathophysiology of insulin resistance
- Glucose and lipid metabolism *in vivo*
- Mitochondria
- Skeletal muscle

Titles for shovel-ready research projects:

- HCQ and adipose tissue insulin sensitivity
- Mitochondrial morphology in insulin resistance

Data sources for shovel-ready research projects:

- Frozen biospecimens
- Research lab databases