The Diabetes, Obesity and Metabolism Institute (DOMI)

The mission of the Icahn School of Medicine Mount Sinai Diabetes, Obesity and Metabolism Institute is to develop better therapeutic and prevention strategies for types 1 and 2 diabetes, obesity, diabetes, and the metabolic syndrome through basic and clinical research.

Six areas form the core of the Metabolism Institute’s research enterprise: (1) **Pancreatic Beta Cell Regeneration and Replacement.** (2) **Type 1 Diabetes Immunopathobiology Research Program**, in collaboration with the Immunology Institute. (3) **The Genetics and Genomics of Diabetes** in collaboration with the Institute for Genomics and Multiscale Biology and the Charles Bronfman Institute for Personalized Medicine. (4) **CNS Control of Metabolism.** (5) **Fuel Metabolism and Signal Transduction** in skeletal muscle, liver, pancreatic beta cells and the adipocyte. (6) **Complications of Diabetes**: vascular, renal, neuropathic. (7) **Clinical Research in Type 1 Diabetes, Type 2 Diabetes, Obesity and Bariatric Surgery** in collaboration with the Mount Sinai CTSA. (8) **Community Based Prevention, Diabetes Research and Epidemiology.** (9) **Diabetes and Cancer** research.

The **Research Cores** within and used by the Diabetes, Obesity and Metabolism Institute include mouse metabolic and histopathologic phenotyping, high-throughput screening and drug discovery, human and animal imaging, cell biological imaging, proteomics, next-gen sequencing, epigenomics, monoclonal antibody generation, microsurgery, among many others.

For more information:
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