

Preliminary Exam (Specific Aims)

Aim 1: Determine Rare Variant Associations with MetS.

Aim 1a: Identify Effects of rare variants on components of disease.

Aim 1b: Integrate discovered associations between components to study wholistic effect on disease.

Aim 2: Determine sequence specific mechanisms of disease progression.

Aim 2a: Identify any Mendelian diseases associated with MetS significant rare variants.

Aim 2b: Design CRISPR CAS9 KO guides based on exonic variants.