



Genomics of Exertional Related Events (EREs) Associated with Sickle Cell Trait

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Our Goals

- Collect needed scientific data to guide more evidence-based and prudent treatment and policy decisions that impact the Sickle Cell Trait (SCT) population in both civilian and military sectors.

Our Plans

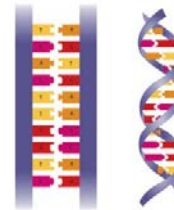
- Enroll African American men and women between ages 18-55 who have SCT:
 - 300 SCT carriers who have had Exertional-Related Events (EREs):
 - Exertional Rhabdomyolysis
 - Exertional Heat Stroke
 - Exertional Collapse
 - 150 SCT carriers who have never had EREs despite their rigorous exercise regimen
- Identify and compare genetic variants between SCT carriers with ERE and without ERE

How you can contribute:

Participate by
donating
blood



What we will do:



Extract genetic
material
Screen whole
genome



What we expect to find:

Identify genetic variants associated with EREs in SCT carriers. This will help us to develop markers to determine who is susceptible to EREs prior to an event.

Contact:

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