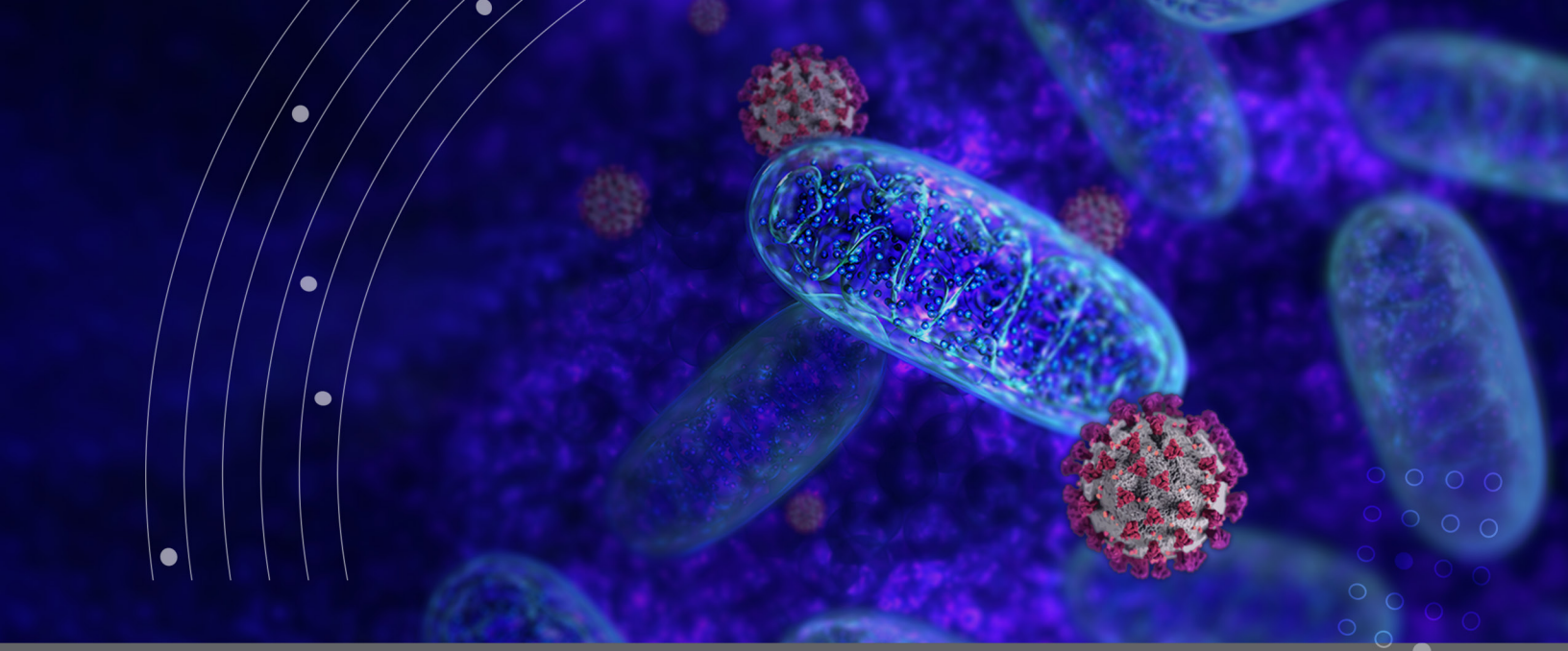

National Human Genome Research Institute

Acute Infection in Mitochondrial Disease

Why are we doing this study?

Coronavirus 2019 (COVID-19) is a serious public health problem. Currently, the implications of COVID-19 in individuals with mitochondrial disease or their family members are unknown. However, individuals with mitochondrial disease may be particularly at-risk for decline associated with infection. This study aims to compare biomarkers like genetic differences in individuals with mitochondrial disease and potential COVID-19 infection. Our goal is to understand how these markers may influence symptoms. We hope to use this information to help develop therapies to reduce the severity of infection in people with mitochondrial disease.

Who can join?

Anyone with mitochondrial disease who becomes acutely ill with suspected or confirmed COVID-19 infection may be eligible to join. We will use the clinical information, questionnaire responses and samples of people with mitochondrial disease for our studies. We may also enroll family members of the person with mitochondrial disease as controls or for other investigations related to genetics and COVID-19.

What is involved?

People in this study will be requested to:

- Provide a blood sample.
- Fill out several health questionnaires either by phone, paper or online.
- Undergo a history and physical exam via telemedicine or video conferencing.
- Be contacted to share health and/or symptom updates with us after joining the study.

Privacy and confidentiality are crucially important to us, which is why all information shared with us will be coded. We will not return individual genetic results. After your illness, we may contact you to get updates on your health and request you to provide additional blood samples or complete additional questionnaires if your health status changes.

We intend for our study to help better understand the interaction between infections and mitochondrial disease. If you are interested, please contact us at **ministudy@nih.gov** or Shannon Kruk, Research Nurse and study coordinator, at 301-451-9145.