

## About the C4TR-POLG Study

### **Clinical trial readiness for *POLG*-related mitochondrial disease and ataxia: a prospective, longitudinal study identifying sensitive and ecologically valid biomarkers**

The C4TR-POLG Study is a research study funded by The POLG Foundation. It is taking place at The Newcastle upon Tyne Hospitals NHS Foundation Trust (Newcastle Hospitals) and is managed by Newcastle Hospitals and Newcastle University.

The study aims to find out more about *POLG*-related mitochondrial disease. It aims to look at movement, balance and co-ordination problems associated with this condition. It also aims to determine the best ways of measuring how this condition progresses (changes with time).

Having better ways to measure disease progression will help doctors and researchers. People with *POLG*-related mitochondrial disease can be monitored more accurately. Design of clinical trials to test new treatments can also be improved

We are planning to recruit 20 individuals (aged between 16 and 75 years) with a confirmed genetic diagnosis of *POLG*-related mitochondrial disease into the study which will take place at the Clinical Ageing Research Unit (CARU) in Newcastle upon Tyne.

Participation will involve undergoing assessments at three time-points over 12 months. Assessments include tests of balance and walking, clinical examination and completion of questionnaires. Participants will also be assessed in a specialist lab known as a gait laboratory and will be asked to wear sensors to monitor their everyday activity levels. Each study visit, which will last approximately four hours.

If you would like further information about taking part in the C4TR-POLG study, please contact the study team on **0191 2083105** or email **[nuth.mitoresearch@nhs.net](mailto:nuth.mitoresearch@nhs.net)**.