

## ONLINE GENOMICS COMPETENCY TOOL

Provides continued assessment of an individual's ability and competence to perform both routine and non-routine laboratory tasks.

# Genomics - Training, Assessment and Competence Tool

- **GenQA website access**  
Select a virtual laboratory scenario via [genqa.org](http://genqa.org)
- **Task scenarios randomly generated**  
No two individuals will complete the exact same task
- **Automated assessment**  
Scores based on the participant's competency
- **Complete at your own pace**  
Participation is active throughout the year
- **Training/Performance review**  
Tailor scenarios to local policy/training requirements

## G-TACT MODULES

### Sample Reception

Assess an individual's competency to determine whether a sample received in the laboratory is suitable for receipt and testing

### Variant Analysis

Assess an individual's competency to determine the pathogenicity (and classification) of a single nucleotide variant (SNV).

### Data Analysis

Assess an individual's competency to determine whether results data (e.g. sequencing) is suitable for reporting.

### Report Authorisation

Assess an individual's competency to determine whether a laboratory report is suitable for authorisation.

Email: [info@genqa.org](mailto:info@genqa.org)

Please see overleaf for more information

## G-TACT PILOT MODULES (LIMITED AVAILABILITY)

### BRCA Variants Classification Run 3 (2019)

Determine the pathogenicity and classification of 15 BRCA variants

### Single Nucleotide Variant (SNV) Classification Run 2 (2019)

Determine the pathogenicity and classification of 3 SNVs

### **\*NEW\*** Copy Number Variation (CNV) Classification Run 1 (2020)

Determine the pathogenicity and classification of 3 CNVs

### **\*NEW\*** HaemOnc SNV Classification Run 1 (2020)

Determine the pathogenicity and classification of 3 SNVs for haematology disorders

- Trial modules are open for a fixed length of time (usually 4-8 weeks).
- All participants must submit results by the closing date.
- A summary report of all results will be provided.

## G-TACT RESULTS DASHBOARD

For Individual G-TACT users:

### Individual Performance

Summary of individual participations and outcomes for each module

For G-TACT line managers:

### Laboratory Performance

Review outcomes and frequency of participation of laboratory individuals to determine competency and identify training needs.