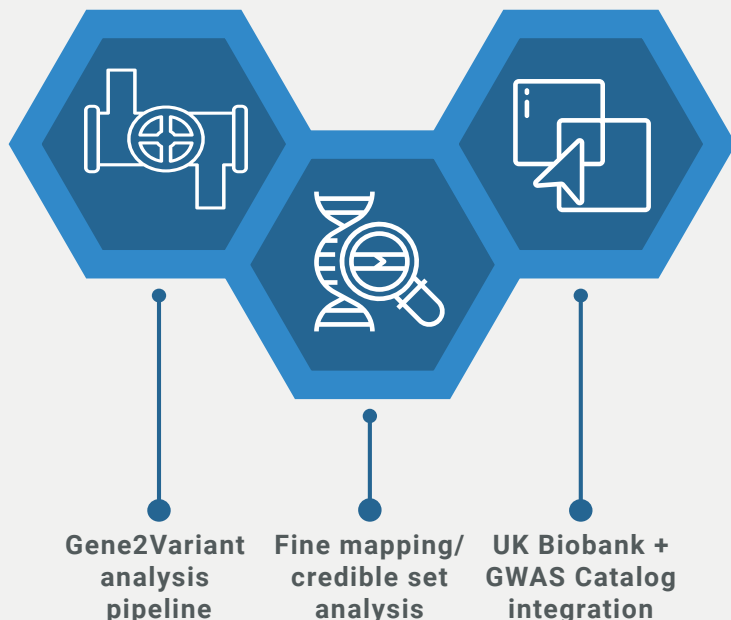


Open Targets Genetics is a new portal developed by Open Targets, an innovative partnership that brings together expertise from six complementary institutions to systematically identify and prioritise targets from which safe and effective medicines can be developed.

The Portal offers three unique features to help you discover new associations between genes, variants, and traits:



November 2017

Project was born after realising the need for a portal that can respond to rapid advances in genetics and drug discovery.

April 2018

Beta release of POSTGAP, the first version of our Gene2Variant analysis and mapping pipeline.

ongoing work

Continued development of the Portal, including more data and colocalisation analysis.

February 2018

Collaborative design workshop with statistical geneticists and drug discovery scientists from around the world.

October 2018

Official launch during an interactive workshop at ASHG 2018 in San Diego.

June 2019

Version 2.0 released during an interactive workshop at ESHG 2019 in Gothenburg.



<http://genetics.opentargets.org>



geneticsportal@opentargets.org

1. Start your research journey by searching for a gene, for a variant, or for a trait of interest.



2. Explore the variant annotations that are used to generate our Gene2Variant score. For version 1.0, these annotations will include eQTLs from GTEx, pQTLs, PCHiC, FANTOM5, DHS, and Ensembl VEP.



6. Take the genes identified by the Portal and search for known drugs using the Open Targets Platform.



3. Discover credible sets from fine mapping analysis run on phenotypes from UK Biobank summary statistics.



5. Download the results of your search in CSV, TSV, or JSON format for further downstream analysis.



4. Visualise the associations between traits, variants, and genes with our Locus View plot. The data table also identifies associations that colocalise with molecular traits.

