

Workshop #1: Genetic Analysis in MCPS using DNAnexus®

September 26 th 2024

Unidad de Medicina Experimental, Hospital General de Mexico

The workshop is designed for those who wish to engage in population genetics and genetic epidemiology research using MCPS data resources available in DNAnexus. During the workshop, participants will be introduced to:

- The DNAnexus platform.
- The genetics data available in MCPS.
- An introduction to global and local ancestry inference
- GWAS in admixed and related populations

Through practical sessions using MCPS data, participants will learn how to:

- Interact with the DNAnexus platform using a command line and graphic interfaces.
- Navigate the DNAnexus documentation.
- El Conduct a local ancestry inference analysis using MCPS data.
- Conduct a GWAS in MCPS data.

By the end of the workshop, participants will be able to:

- Analyse MCPS genetics data using the DNAnexus platform.
- Understand the key features of the genetics data available in MCPS.

Requisites:

Attendees will preferably have a good understanding of key concepts of genetics and statistics and have previous experience with bioinformatics and/or familiarity with command line interface is desirable but not essential.

Workshop Leads: Jason Torres, Alejandra Vergara Lope, Fernando Rivas, Elizabeth Barrera, Ajay Athavale and Ben Busby.

This in-person workshop is free and limited to **25 places**.
Registration and queries: paulinabacap@gmail.com

