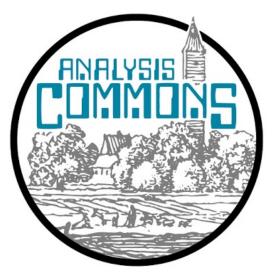
# Analysis Commons

#### **Collaborative Cloud Computing Model**

### Jennifer Brody



## Analysis Commons



- Investigators and developers working collaboratively on data analysis of WGS or omics data
- Cloud-based Analysis Platform -

DNAnexus which uses AWS or Azure computing

- Shared tools (association pipelines, visualization, annotation, utilities)
- Shared resource files (genotypes, kinship, QC files, annotation)
- Project specific workspaces and permissions (e.g. Lipids, BP)
- Auditability of analyses



## Analysis Commons

- Data sharing models:
  - dbGAP coordinated applications that identify external collabortators
  - Consortium Agreement replaces large number of bi-lateral DMDAs
- Teleconferences and SLACK chat for communication