

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)
- User contributed Apps
- Auditability of analyses



Analysis Commons

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

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Analysis commons, a team approach to discovery in a big-data environment for genetic epidemiology

Jennifer A Brody^{1,25}, Alanna C Morrison^{2,25}, Joshua C Bis^{1,25}, Jeffrey R O'Connell³, Michael R Brown², Jennifer E Huffman⁴, Darren C Ames⁵, Andrew Carroll⁵, Matthew P Conomos⁶, Stacey Gabriel⁷, Richard A Gibbs⁸, Stephanie M Gogarten⁶, Namrata Gupta⁷, Cashell E Jaquish⁹, Andrew D Johnson⁴, Joshua P Lewis³, Xiaoming Liu², Alisa K Manning¹⁰⁻¹², George J Papanicolaou⁹, Achilleas N Pitsillides⁴, Kenneth M Rice⁶, William Salerno⁸, Colleen M Sitlani¹, Nicholas L Smith^{1,13-15}, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium¹⁶, The Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium¹⁶, TOPMed Hematology and Hemostasis Working Group¹⁶, CHARGE Analysis and Bioinformatics Working Group¹⁶, Susan R Heckbert^{1,15}, Cathy C Laurie⁶, Braxton D Mitchell^{3,17}, Ramachandran S Vasani^{4,18,19}, Stephen S Rich²⁰, Jerome I Rotter²¹, James G Wilson²², Eric Boerwinkle^{2,8,26}, Bruce M Psaty^{1,13,23,26} & L Adrienne Cupples^{4,24,26}