

**A Quarter Century after the Human Genome Project's Launch: Lessons Beyond the Base Pairs
Genomes and Big Data: A Personal View - Ewan Birney
Tweets from the Seminar - February 25, 2016**

Tweet	Created At	UserName	UserScreenName
RT @David_McGaughey: #NIHHGP25 @ewanbirney UK gov't wants 1.5x benefits/cost. EBI is 20x.	2/25/2016 20:00	Eli Roberson	thatdnaguy
#NIHHGP25 @ewanbirney UK gov't wants 1.5x benefits/cost. EBI is 20x.	2/25/2016 19:59	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney No one gets papers/Nobels for storing lots of data. But the team that does it enables lots of science	2/25/2016 19:56	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney "Only notice when [infrastructure] fails"	2/25/2016 19:55	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney Life science needs infrastructure (all other sciences doing it already).	2/25/2016 19:55	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney Someone already had done mouse KO of candidate gene (heart thick gwas). Jarid2, wall thick diff against genotype.	2/25/2016 19:51	David McGaughey	David_McGaughey

#NIHHGP25 @ewanbirney Lippert 2014 bioRxiv 003905. Heart thickness GWAS manhattan plot looks pretty good. Two peaks. Two more blips.	2/25/2016 19:46	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney Heart wall thickness/genetics study. Prob: Coordinate-wise association tests: 2.4×10^{12} ! Answer: PEER (Stegle O et al	2/25/2016 19:43	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney EB: "imputation is shockingly good" Do array, get a statistician, impute.	2/25/2016 19:36	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney EB putting lab people on the "Dry Geeks <----> Wet Geeks" continuum. Not just one person covering whole spectrum.	2/25/2016 19:33	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney PI can't be a company, contracting out stats, analysis	2/25/2016 19:31	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney "what analysis can I do?" focus of successful labs of the future	2/25/2016 19:30	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney "Kind of crazy to be in a closed world"; Good science driven by questions, experiments, analysis.	2/25/2016 19:29	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney "Aggressive openness...pragmatic" Want people to use your (expensive) resources (human genome)	2/25/2016 19:27	David McGaughey	David_McGaughey
#NIHHGP25 @ewanbirney "Science is a human tribal experience"; EB thankful for his (many) talented collaborators/mentors/trainees	2/25/2016 19:26	David McGaughey	David_McGaughey