Project title: A Road Map to Building the Information Commons

1. Type of project: A Consensus Study
2. Draft task statement and specific questions that would be addressed: The powerful new omics and IT tools are emerging to where as was put forth in the NAS Precision Medicine Report, it is time to build a “Knowledge Network” or “information Commons” where better models of disease can be built and evolved. It is time to link Biomedical scientists and IT experts in the biomedical field with experts from other fields such as software development, astronomy, and physics who have learned how to store and share “BIG DATA”. Bringing together the myriad of those who have become experts in adjacent fields with those who will link together in the area of biomedicine could provide guidance to many in society. Such a report could benefit policy makers, funders, academics, entrepreneurs, and most importantly citizens.
3. Why the BDRI should do this, as opposed to some other organization within government or externally: The BDRI is ideally suited to convene the diverse experts that do not co-mingle in existing other structures. To be maximally impactful this study will need to have the voice of a diverse set of experts enabled by the NAS.
4. Potential Sponsors/Specific Audience:

Universities: Stanford, Duke, MIT, …

 Leading Medical Centers- UCSF, Cleveland Clinic, …

 IT Partners: Google, Oracle, Amazon, ...

Foundations: Avon, MMRF, Autism Speaks, Alzheimer’s, …

Government Funders: NSF DARPA NIH

Funders: BMGF, HHMI, …