Short and Long-Term Goals for Sequencing in Complex Disease Research

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Obstacles and **Opportunities**

- Sequencing costs are high, but they are coming down.
- The biomedical IT infrastructure is not up to the task, but this project will be enabling.
- The perfect study sample is not available, but a collection of existing (and emerging) samples sets will likely achieve our goals.
- This should not be seen as a US effort, but rather an international effort.
- This is not the right time because of economic uncertainty, but it will create a widely used research resource, promote a better health care infrastructure, and fuel a therapeutic pipeline.
- Institutional and disciplinary silos will undermine the effort, but the project will only succeed with a result-oriented team effort.

A Scientific Commons



Recognize and Organize Existing Infrastructure

Available samples on wellphenotyped individuals.



Data Sharing



Need to recognize success



I am an optimist.....

