

Resource sharing to advance neuroscience research

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Scientists work in trusted communities



MODEL-AD

Model Organism Development & Evaluation for Late-Onset Alzheimer's Disease



AMP-AD Knowledge Portal

DREAM
CHALLENGES

powered by Sage Bionetworks



PHYSICAL SCIENCES
in ONCOLOGY

VEO-IBD
Consortium



Mobile Toolbox

All of Us
RESEARCH PROGRAM

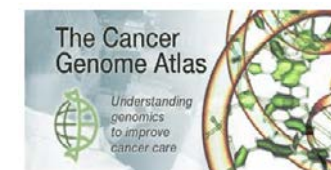
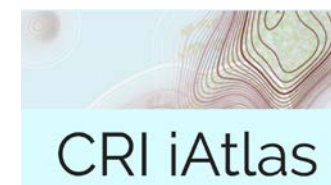
AACR
American Association
for Cancer Research
FINDING CURES TOGETHER™

PROJECT GENIE
Genomics Evidence Neoplasia Information Exchange



CTSA Clinical & Translational
Science Awards Program

CD2H



TUMOR EPITOPE SELECTION ALLIANCE



**HEALTHY BIRTH,
GROWTH & DEVELOPMENT**
knowledge integration

Powered By  **SYNAPSE**

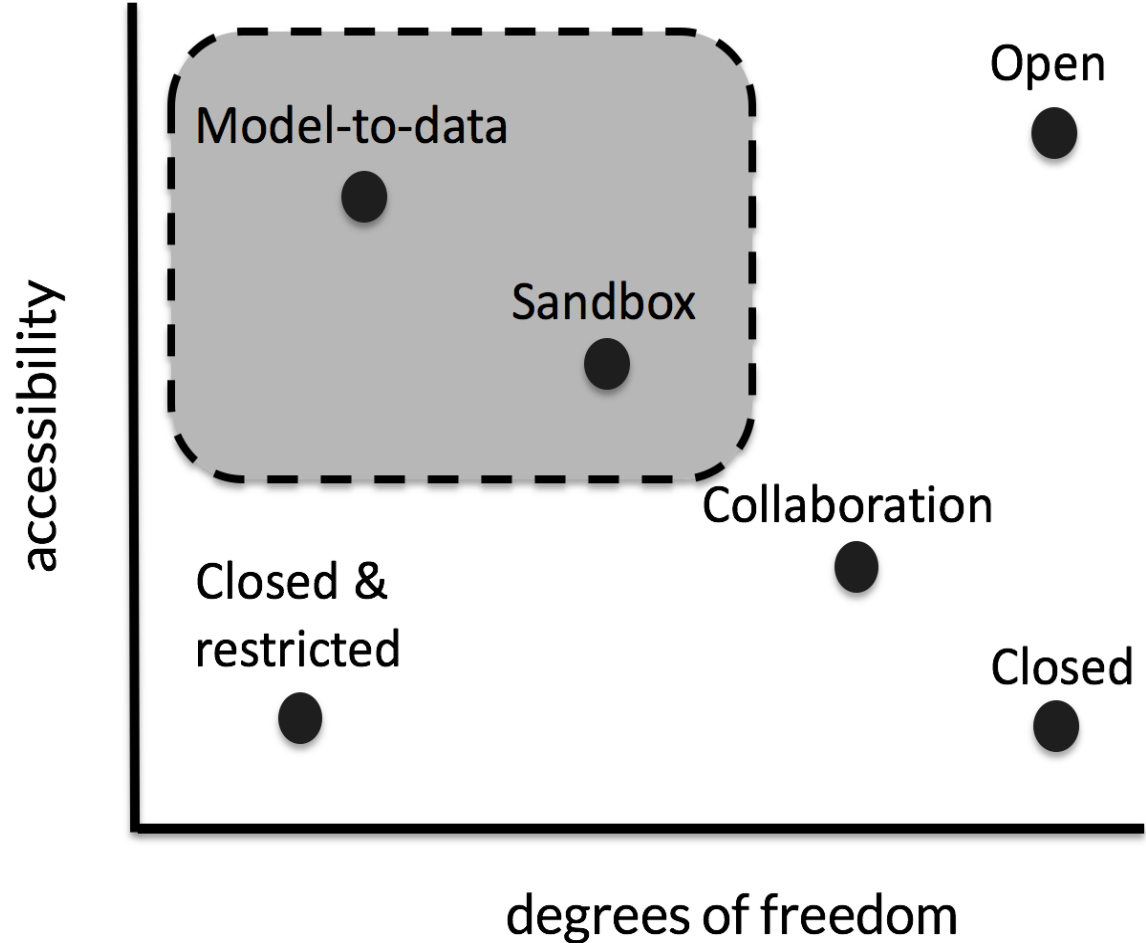
Data sharing is an investment. Why do we it?

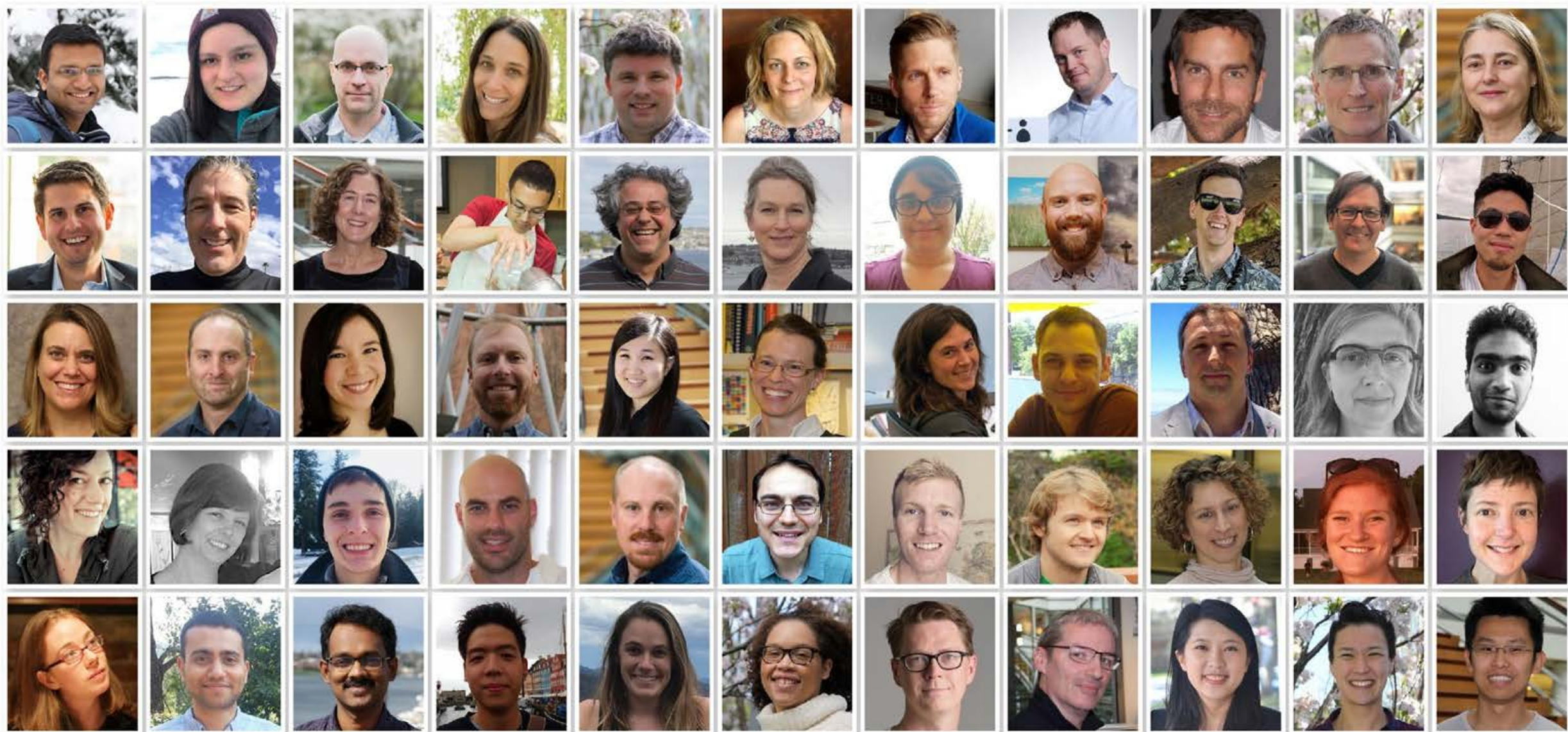
- **Transparency** - supports independent evaluation of primary analysis
- **Meta-analysis** – evaluate reproducibility of observations across similar data sets
- **Triangulation** – evaluate replication of observations across different types of data sets
- **Distribution for independent data use** - supports parallel discovery
 - Resource development– build a formative data set and distribute for common use
 - Traditional approach - Provides background for discovery research across multiple groups
 - Substrate for AI – integration of multiple data sources to support contemporary methods for prediction

Resource sharing is most successful when
tailored to meet explicit scientific goals

Paired governance and technology strategies to meet research needs

	Open	Sandbox	Model-to-data	Collaboration	Closed
DUA required	No	Yes	No	Yes	N/A
Data protection & security	Low	Med	High	Med	High
Exploration	High	Med	Low	Med	N/A
Ability to verify outputs	Med	Med	High	Low	N/A
Breadth of dissemination	High	Med	High	Low	N/A
Sustainability	Low/Med	High	Med	Low/Med	N/A





SageBionetworks

Better Science Together

