



NDAR National Database
for Autism Research
Serving the autism research community

ADVANCING AUTISM DISCOVERY USERS GROUP

April 22-23, 2013

Neuroscience Center, Conference Room B
6001 Executive Blvd., Rockville, MD 20852

Purpose

The National Database for Autism Research (NDAR) now contains harmonized -omics, imaging, and phenotypic data on over 44,000 research subjects. Recent developments include the establishment of rich datasets (imaging and genomic) in the Amazon computational cloud and the ability to filter and download data based upon phenotypes and attributes. Given these capabilities, the purpose of this meeting is to establish a user's group of those interested in the potential to advance scientific discovery using NDAR, its federated repositories, and the computational tools and pipelines now becoming available in the cloud.

Objectives

Broad capabilities now enable users to identify, download, and compute on data contained in NDAR. These capabilities are now available to the field. The invitees to this conference will be provided instruction on how to use NDAR now to advance discovery, provide short-term feedback on how NDAR can improve to meet scientific needs, and develop a user group to continue this feedback for the next year.

As human subjects data will be shown at this meeting, **an NDAR Data Access Agreement in the name of the attendee must be active prior to April 22** (refer to [NDAR Access](#) for more information).

To register, go to: <http://ndar.wufoo.com/forms/z7x3p3/>.

For more information, please contact ndarhelp@mail.nih.gov.



Monday, April 22, 2013

9:00—9:30 am	Registration
9:30—10:00 am	Opening Session (Greg Farber)
10:00—10:40 am	Data Dictionary and Organization (Dan Hall)
	Break
11:00—11:30 am	Introduction to Query Tool (Brian Koser)
11:30—12:15 pm	Lab 1—Accessing Clinical Data by Existing Phenotype Definitions
12:15—1:00 pm	Lunch
1:00—1:45 pm	An Overview Using the Amazon Computational Cloud (Ben Butler)
1:45—2:30 pm	Demonstration of Moving Data into the Cloud (Robert Arrington)
	Break
2:50—3:50 pm	Lab 2—Load and Analyze Data Using SQL in the Cloud
3:50—4:30 pm	NDAR Study Overview (Dan Hall)
6:00 pm	Dinner

Tuesday, April 23, 2013

9:00—9:30 am	Extending Phenotypes/Subtypes
9:30—10:10 am	Standardized Computational Environments (David Kennedy)
10:10—11:00 am	Standardized Computational Environments Lab
	Break
11:15—11:40 am	Breakout Groups (Phenotypes/Computational Integration)
11:40—12:20 pm	Presentations from Breakouts
12:30 pm	Adjournment

