



# NCRAD

September 2017

## Expanded Services Available

A note from our NIA Program Officer, Dr. Nina Silverberg was distributed to all Center directors in June notifying them of the expanded services NCRAD will be providing in direct response to the ADC Panel Recommendations.

To help meet the NIH sharing requirements, NCRAD can help ADCs share samples with other researchers more easily and cost effectively. NCRAD is continuing to expand the number and types of specimens that are centrally banked and available to approved researchers. NCRAD currently banks DNA from the ADCs. NCRAD can now receive other specimen types from the ADCs (plasma, serum, CSF aliquots). The goal with these new efforts is to reduce costs for ADCs to share samples while also making it easier for researchers to request samples by going to a single biorepository.

Participants/specimens must meet the following criteria:

- Participants must have UDS data at NACC.
- Participants must have been consented using language allowing for the sharing of specimens and data with external researchers.
- Specimens must have been collected using uniform protocols, which can be provided to NCRAD for review prior to approval for specimen banking.

**A Central Repository with DNA available to match the rich dataset collected for all subjects seen in the ADCs is a very valuable resource for the field of AD research. We hope you will continue to support this effort!**

NCRAD cannot reimburse ADCs for the collection of specimens. However, NCRAD can provide the following:

- NCRAD will pay all shipping costs to transfer existing samples meeting the criteria listed above to NCRAD.
- For ADCs interested in collecting samples prospectively and sending them to NCRAD, NCRAD can provide specimen collection kits and will support the costs for shipping samples to NCRAD.
- NCRAD will distribute samples to requestors.
- NCRAD will provide an expanded annual report to participating ADCs that will track the receipt and distribution of these additional specimen aliquots.

Centralizing a wider range of biospecimens at NCRAD increases their availability to other researchers and also minimizes the costs to the ADCs to pull, prepare, and distribute specimen aliquots to other researchers.

## ADC Samples to NCRAD

NCRAD continues to accept samples from all subjects with an MDS or UDS at NACC. NACC has updated the lists of samples for submission to NCRAD as of the June 2017 data freeze. The lists of subjects eligible to send to NCRAD have now been separated into “active” participants and “inactive” participants.

<https://www.alz.washington.edu/GWASPHASE2/gwasphase2.html>

While fresh whole blood samples are preferred, NCRAD also accepts frozen buffy coats, transferred DNA and brain tissue samples. Our goal is to have a DNA sample banked and available from all MDS and UDS subjects.

Please contact us with any questions or concerns about NCRAD at 800-526-2839/317-274-7360, by email at [kelfaber@iu.edu](mailto:kelfaber@iu.edu) or visit our web-site: [www.ncrad.org](http://www.ncrad.org) Thanks!!

**New Datasets available at <https://www.niagads.org/datasets>**

## **NG00055 - CSF A $\beta$ /ptau Summary Statistics**

– Deming Y et al. (2017)

*PI: Dr. Carlos Cruchaga, Washington University*

These data are Summary statistics generated from a largest genome-wide association study for cerebrospinal fluid (CSF) tau/ptau levels published to date ( $n > 3000$ ), and identified three genome-wide hits for CSF A $\beta_{42}$  and five loci for ptau levels.

## **NG00056: Transeethnic GWAS Summary Statistics**

- Jun et al. (2017)

*PI: Dr. Lindsay Farrer, Boston University*

These data are summary statistics generated from a transeethnic GWAS analysis obtained from cohorts including European, African American, Japanese, and Israeli Arab Ancestries.

## **NG00058 - IGAP Age at onset survival GWAS dataset**

- Huang KL et al. (2017)

*PI: Dr. Alison Goate, Icahn school of Medicine at Mount Sinai*

These data are from genome-wide survival association study conducted by the International Genomics of Alzheimer's Project (IGAP) consortium. The final meta-analysis dataset consists of samples from the Alzheimer's disease Genetics Consortium (ADGC), Genetic and Environmental Risk in Alzheimer's disease (GERAD), European Alzheimer's Disease Initiative (EADI), and Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE).

## **NG00059 - Aging, Dementia, and TBI Study**

*PI: Dr. Ed Lein, Allen institute for Brain science*

The Aging, Dementia and Traumatic Brain Injury Study is a detailed neuropathologic, molecular and transcriptomic characterization of brains of control and TBI exposure cases from a unique aged population-based cohort from the Adult Changes in Thought (ACT) study.