



# NCRAD

September 2018

## NCRAD Lab Relocation

The NCRAD receiving lab has relocated. Thank you to everyone for your patience during this move. If you need updated shipping supplies, please place your request at:

[https://redcap.uits.iu.edu/surveys/kits\\_and\\_supplies](https://redcap.uits.iu.edu/surveys/kits_and_supplies)

Please note the new address to send your samples:

NCRAD  
351 W. 10<sup>th</sup> St.  
TK-342  
Indianapolis, IN 46202

## Name Change

NCRAD is updating its name to the National Centralized Repository for Alzheimer's Disease and Related Dementias to reflect the significant expansion of the repository's scope. To learn more, visit the press release at: <https://medicine.iu.edu/blogs/spirit-of-medicine/expansion-of-alzheimers-disease-biospecimens-repository-prompts-name-change/>

## NCRAD at AAIC

In July 2018, NCRAD attended the Alzheimer's Association International Conference (AAIC) in Chicago, IL and hosted a booth in the exhibition hall.

The NCRAD team spoke with numerous academic and commercial researchers from around the world. Investigators we met are interested in both banking samples with NCRAD and also requesting samples from NCRAD to support their research. This was a great opportunity to raise awareness in the dementia research community about the studies and samples stored at NCRAD, and how they can be used to advance research for Alzheimer's disease and related dementias.

## NCRAD Biospecimen Application Process Update

NCRAD has streamlined and simplified the process by which researchers can request and receive biospecimens. For more information about our updated application process, please visit:

[https://ncrad.org/request\\_procedure.html](https://ncrad.org/request_procedure.html)

## NCRAD Biospecimen Review Committee (BRC)

To view our NCRAD BRC members visit the NCRAD webpage at:

[https://ncrad.org/ncrad\\_brc\\_committee.html](https://ncrad.org/ncrad_brc_committee.html)

## NCRAD APOE Data at NACC

To obtain the most recent APOE data, visit the NACC website at: <https://www.alz.washington.edu/adgc.html>, select your Center and choose the option to download APOE data from NCRAD. As always, please compare these data with any internal APOE genotype data you have generated. Please notify Kelley Faber ([kelfaber@iu.edu](mailto:kelfaber@iu.edu)) if you have any questions or find any discrepancies. We want to work with you in order to resolve these.

## Key for APOE results on NACC site

1=e3/e3	4=e4/e4	
2=e3/e4	5=e2/e4	9=missing/unknown/
3=e2/e3	6=e2/e2	not assessed

## NCRAD iPSC Initiative Update

Researchers funded by NIH are required to share the iPSC and fibroblast lines they develop with other researchers. There can be a significant burden in terms of cost and time to expand the lines, perform extensive characterization, and then distribute them to other researchers. NCRAD is expanding support for the distribution of new cell lines to meet this growing need. We will begin to receive, expand, and distribute iPSC and fibroblast lines later this year. If you have lines you would like to centrally bank, please contact NCRAD to discuss this initiative further.

## NCRAD Awarded NIH Grant

NCRAD was awarded a new grant to expand the size and scope of the biobank. To learn more about this expansion, please review the press release at:

<http://news.medicine.iu.edu/releases/2018/07/NIH-funds-major-biobank-expansion-at-IU-School-of-Medicine-to-support-Alzheimers-disease-research.shtml>

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

**A Central Repository with samples 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!**

## NIAGADS Data Sharing Service (DSS) is Live!



NIAGADS is pleased to announce that the new Data Sharing Service (DSS) is now live. The DSS will make large scale genomic data available to the Alzheimer's Disease and Related Dementia (ADRD) research community. The service facilitates the deposition and sharing of genomic

data from ADSP and other NIA funded AD genomic studies with approved users in the community. The first release of the data contains whole genome data sequenced by the ADSP from 854 subjects in 159 families and an additional 1433 cases and 1654 controls, as well as 809 whole genomes from ADNI-WGS-1. All of the data has been harmonized by the [Genome Center for Alzheimer's Disease \(GCAD\)](#). There will be additional studies released later this year.

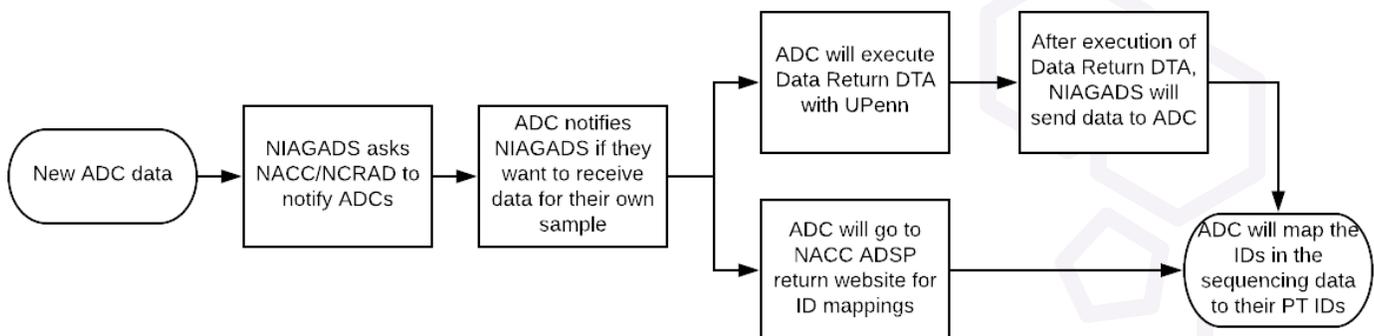
### How to Apply

Principal investigators at qualified institutions can submit an application for data on the DSS website at <https://dss.niagads.org/>. Investigators must have an eRA commons ID in order to log into the DSS. Investigators must also have a current username and approved application with [Laboratory of Neuroimaging \(LONI\)](#).

### Returning Data to Alzheimer's Disease Centers

Alzheimer's Disease Centers can obtain the ADSP sequenced data for their own subjects by contacting NIAGADS ([niagads@pennmedicine.upenn.edu](mailto:niagads@pennmedicine.upenn.edu)) and completing a Data Transfer Agreement with the University of Pennsylvania. The process for requesting these data can be found in the flow diagram below. A total of 4,410 ADC samples have been sequenced under ADSP efforts. Available data types for request are CRAMs, GATK called gVCFs, as well as GATK joint-genotype called project level VCFs (pVCFs) that have undergone basic sequencing quality control checks.

### Process for Obtaining Sequencing Data



**Please note** that the terms of the Data Transfer Agreement for ADCs is still being reviewed by the University of Pennsylvania's Office of Research Services. We will notify the centers once this has been completed.