

Procedure for requesting NCRAD samples

Requests for cell cultures and/or DNA samples must be submitted in the form of a written proposal, outlining the intended use of the samples. Proposals should include the following:

1. **Contact/Proposal Information:** Please include your name (as Principal Investigator), your affiliated institution, your email address and the title of your chosen topic. If applicable, please include the number of the grant or contract which supports the research and the names of any other investigators who will be using the samples.
 - a. Please include a copy of the NIH Biosketch for the Principal Investigator and any other relevant investigators.
2. **Specific Aims/Research Question/Hypotheses:** (~1/3 page) Please describe the aims of the study.

For example:

Specific Aim 1: Targeted genotyping to replicate significant findings for candidate genes. (*Note: you do not need to reveal the name of these genes*)

Specific Aim 2: Targeted sequencing for candidate genes.

Specific Aim 3: Whole genome sequencing of X cases and X controls.

3. **Background/Significance/Rationale:** (~2/3 page) Provide a brief description of why the specific aims are of interest and overall significance. Throughout this description, provide references as needed.
4. **Methods:** (~1-1.5 pages) Indicate the type (affected vs. unaffected persons, early vs. late onset, etc) and number of samples being requested. (*Please note: the Repository reserves the right to limit the number of samples provided per request.*) Describe the laboratory techniques to be used, whether you have experience using these methods and if appropriate, the publications on your (or a collaborators) NIH biosketch that have utilized these methods.

Provide enough detail to allow the advisory panel to assess whether there is sufficient expertise to perform the experiments.

5. **Preliminary Analysis Plan:** (~1/2 page) For each specific aim, a brief analysis plan should be described. The amount of detail varies with the research

question(s) of interest, but it is helpful to mention key analytic methods. The format may be in paragraph form or follow the same design as the Specific Aims section of this outline.

Provide enough detail to allow the advisory panel to assess whether there is likely to be sufficient power to test the specific aims.

6. **Other Data Repository Request:** Please indicate if you will be requesting clinical data from the NACC or another data repository.
 - a. If requesting from NACC, their on-line application can be found at:
<https://www.alz.washington.edu/NONMEMBER/INVEST/outline.html>

Also please remember, NCRAD has required language to include in publications using NCRAD samples. The language is as follows: "Samples from the National Cell Repository for Alzheimer's Disease (NCRAD), which receives government support under a cooperative agreement grant (U24 AG21886) awarded by the National Institute on Aging (NIA), were used in this study. We thank contributors, including the Alzheimer's Disease Centers who collected samples used in this study, as well as patients and their families, whose help and participation made this work possible."

Finally, as a reminder, in the Material Transfer Agreement between the investigator and NCRAD you have agreed to share your genetic data generated from these NCRAD samples. As noted within the MTA, the "National Institute on Aging Genetics of Alzheimer's Disease Data Storage Site (NIAGADS) at University of Pennsylvania, along with other NIA approved sites including but not exclusive to the database of Genotype and Phenotype (dbGaP) which was developed through NIH to archive and distribute the results of studies that have performed genome wide Association Studies (GWAS) <http://www.ncbi.nlm.nih.gov/sites/entrez?db=gap>, have been designated by NIA for the deposit of all genetic data developed by Recipient using the materials and/or data provided by NCRAD."