

New ADSP, ADGC, and IGAP papers published

Three new papers of interest were published recently. The first, an ADSP paper titled "[Functional Annotation of genomic variants in studies of Late-Onset Alzheimer's Disease](#)" (Butkiewicz et al.), was published in Bioinformatics in March. Data from this project is stored at NIAGADS, with the accession number NG00061. The dataset can be used to annotate single variant association results, or to generate variant groupings by functional annotation for use in SeqMeta and similar tools.

A second ADSP paper, "[Genetic Variation in Genes Underlying Diverse Dementias May Explain a Small Proportion of Cases in the Alzheimer's Disease Sequencing Project](#)" (Blue et al.) was published in Dementia and Geriatric Cognitive Disorders in April.

Also released in April, the Alzheimer's Disease Genetics Consortium (ADGC) and International Genomics of Alzheimer's Project (IGAP) published "[Meta-Analysis of genetic association with diagnosed Alzheimer's disease identifies novel risk loci and implicates Abeta, Tau, immunity and lipid processing](#)" (Kunkle et al.). Their meta-analysis is published in bioRxiv.

NIAGADS Data Sharing Service to be released this summer

The new NIAGADS Data Sharing Service (DSS) is in final stages of production and is set to be released this summer. NIAGADS will have Federal

Information Security Management Act compliance and user authentication processes in place. The NIAGADS DSS facilitates the deposition and sharing of genomic data from ADSP and other NIA funded AD genomic studies with approved users in the research community at large. All new and existing ADSP data are being mapped to the latest GRCh38 reference assembly for human genome and will be distributed through the DSS for qualified investigators. GRCh37 data will continue to be stored and accessed through dbGaP. NIAGADS will make an announcement with an official release date shortly.

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

NG00061 – Functional Annotation of genomic variants in studies of LOAD

This reference dataset includes annotations for the ADSP WES Release 3 (Atlas Only) Dataset, WGS V1 Dataset ([phs000572.v7.p4](#)). The dataset can be used to annotate single variant association results, or to generate variant groupings by functional annotation for use in SeqMeta and similar tools. No formal application is required. Download dataset directly from [the NIAGADS website](#).