

# Alzheimer's Disease Genetics Consortium (ADGC)

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## Research Areas



### Biomarker Research

Diagnostic, Genomic Biomarker



### Data-Sharing Enabler

## At a Glance

- Status: **Completed Consortium**
- Year Launched: **2009**
- Initiating Organization: **University of Pennsylvania**
- Initiator Type: **Academia**
- Location: **North America**

## Abstract

The Alzheimer's Disease Genetics Consortium (ADGC) was founded to conduct genome-wide association studies (GWAS) to identify genes associated with an increased risk of developing late-onset Alzheimer's disease (LOAD). This five-year consortium, spanning universities from both Europe and the United States, will combine the knowledge, staff, and resources of four existing consortia that conduct research on Alzheimer's disease genetics.

## Mission

ADGC's goal is to identify genetic variants associated with risk for Alzheimer's disease (AD). The effort leverages the current knowledge that genetic factors play an important role in the development of AD. For example, it has been shown through familial aggregation studies that first degree relatives of probands with AD are more likely to have or develop AD compared to relatives of controls. Twin studies show a higher concordance of AD among monozygotic compared to dizygotic twins, with heritability estimates of 60% to 80%. This five-year consortium, spanning universities from both Europe and the United States, will combine the knowledge, staff, and resources of four existing consortia that conduct research on Alzheimer's disease genetics.

## Consortium History

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2009: Gerard Schellenberg, PhD, professor of pathology and laboratory medicine, received an \$18.3 million, five-year grant from the National Institute on Aging to lead ADGC.

## Structure & Governance

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An Executive Committee oversees ADGC and makes major decisions on administrative and scientific matters by voting. Executive Committee members include key members (principal investigators [PI] and Co-PIs) of the ADGC research proposal and representatives from institutions that contribute a major portion of samples to the ADGC study.

ADGC is supported by six subcommittees, all of which report to the Executive Committee:

## Financing

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ADGC is funded by a grant from the National Institute on Aging (PI, Gerard D. Schellenberg; UO1AG032984), an \$18.3 million, five-year research grant to conduct GWAS to identify genes associated with an increased risk of developing LOAD.

## Data Sharing

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To request or submit data to ADGC, please contact: [data@mail.med.upenn.edu](mailto:data@mail.med.upenn.edu)

## Impact/Accomplishment

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Since 2010, 25 ADGC reports/papers have been published.

## Links/Social Media Feed

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Homepage

<http://www.adgenetics.org/>

## Points of Contact

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For queries and comments regarding ADGC, please contact:

Laura Cantwell

Department of Pathology and Laboratory Medicine

University of Pennsylvania School of Medicine

422 Curie Boulevard

Philadelphia, PA 19104-6082

email: [Lcant@mail.med.upenn.edu](mailto:Lcant@mail.med.upenn.edu)

For queries and comments on the ADGC website, please contact:

Otto Valladares

email: [ottov@mail.med.upenn.edu](mailto:ottov@mail.med.upenn.edu)

## Sponsors & Partners

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