

National Cell Repository for Alzheimer Disease (NCRAD)

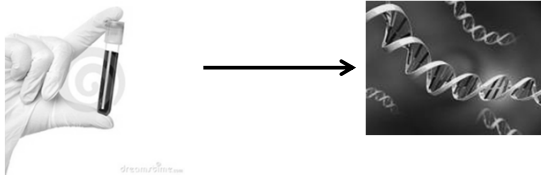
Colleen Mitchell, BS

Overview

- National Cell Repository for Alzheimer Disease was established by the National Institute on Aging (NIA).
- Goal was to make available to researchers a large number of samples that could be used to study the genetics of Alzheimer disease (AD).

What do researchers need?

- Need samples, blood or tissue, which permits the extraction of DNA (genetic material).



What do researchers need?

Clinical Annotation

Well documented cases with Alzheimer disease and controls who do not have disease.

Alzheimer Disease Case

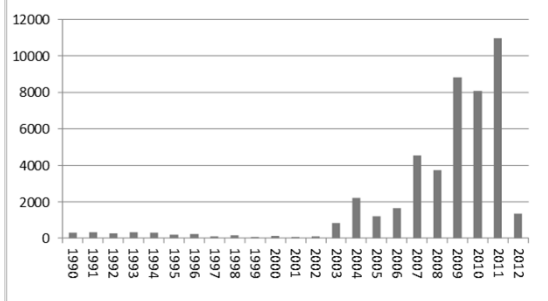
- Completed a clinical evaluation documenting memory loss
- Diagnosis confirmed by evaluation of brain tissue at time of death (neuropathology)

Control

- Completed a clinical evaluation with normal cognition (no memory loss)
- No evidence of changes in brain tissue consistent with Alzheimer disease (neuropathology)

NCRAD

Samples collected in a year



NCRAD Facilities

- Located here at Indiana University
- Receive multiple sample types and process
 - Blood
 - Brain tissue
 - DNA
 - RNA
 - Cerebrospinal Fluid
 - Serum
 - Urine
- Distribute samples to approved researchers
 - To date, distributed 122,122