

Brains for Dementia Research

Brains for Dementia Research (BDR) is a national UK programme involving 6 leading Research Centres jointly funded by the dementia charities, Alzheimer's Research UK and Alzheimer's Society.

BDR was established in 2008 and has recruited over 3,250 volunteers to provide researchers with characterised human brain tissue using detailed, standardised neuropathology. To-date, over 1300 human brains have been donated and fibroblasts and iPSC's are available following successful application.

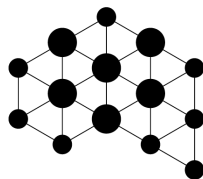
To find out more:

<https://bdr.alzheimersresearchuk.org/>

Email: BDR.coordinatingcentre@ncl.ac.uk

Telephone +441912082109

X @brains4dementia



Brains for Dementia Research



Newcastle University

UK | Malaysia | Singapore



The University of Manchester



University of BRISTOL

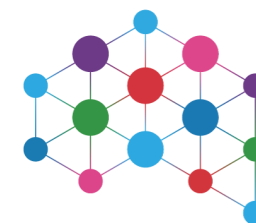


Dementias Platform^{UK}
Data Portal

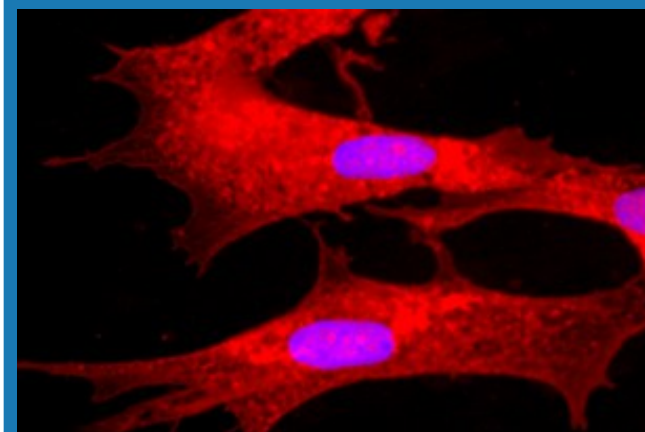


UK Brain Banks Network

Leading Translational Neuroscience Research



Brains for Dementia Research



A world-class resource
providing dementia
researchers with

Stem Cells

What cell lines are available?

To-date, there are around 100 fibroblasts available through the BDR initiative. All the BDR donated cases undergo genetic analysis through a Neurobooster array which screens for neurodegenerative disease gene mutations. Consequently, the cells have neuropathological verification of disease or control status, so they are from specific disorders. We can also provide iPSC lines from a range of diagnostic categories which include Alzheimer's disease (AD), Dementia with Lewy bodies (DLB), mixed AD/DLB, Vascular dementia (VaD), Frontotemporal dementia (FTD), primary age-associated tauopathy (PART), multiple system atrophy (MSA), progressive supranuclear palsy (PSP) as well as normal controls.

All cases can be found on the searchable database, the UK Brain Bank Network (UKBBN). Access to the database is by registration.

<https://ukbbn.brainsfordementiaresearch.org/Account/UserRegistration>

Do I need ethical approval?

Yes, but if you are in the UK this can usually be provided by the banks supplying the fibroblasts or iPSC's. Requests from overseas require evidence of approval by your Institutional Review Board.

How do I request cell lines?

The fibroblasts and iPSC's are issued from the brain bank based in Newcastle, the Newcastle Brain Tissue Resource (NBTR).

NBTR has approval to provide cells for pilot studies and research projects both from the UK and internationally. Access to the cells is by application. Further information about the application process can be found on the BDR website:

<https://bdr.alzheimersresearchuk.org/researchers/apply/>

All applications must include a lay summary, together with your hypothesis, scientific justification and an experimental section. If you would like to discuss your requirements ahead of applying, we would be delighted to hear from you. Please email the BDR Coordinating Centre at: BDR.coordinatingcentre@ncl.ac.uk.

The staff from NBTR are also available to help researchers identify suitable cases and to support them with their application.

The NBTR staff can be contacted at: nbtr@newcastle.ac.uk

Are there charges involved?

Yes. All brain banks in the UKBBN follow the partial cost recovery scheme. There are standard tariffs for tissue provision.

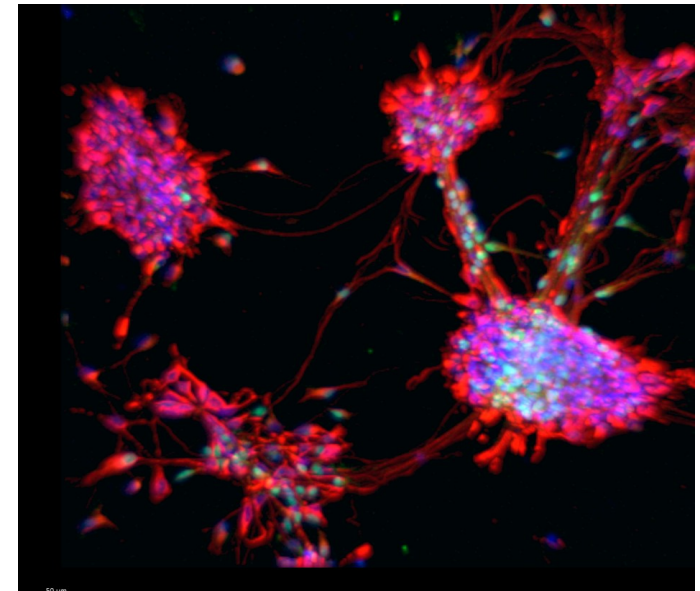
For details go to:

Tariffs for brain tissue :: UK Brain Banks Network

What happens after approval?

Once your application has been approved:

- A Material Transfer Agreement will be agreed between your institution and the bank
- It will include acknowledging use of the BDR cells in any resulting publications
- The bank will dispatch the cells to you using a specialist courier



Do stem cells differentiate?

Yes. The different iPSC lines are checked to see if they will differentiate into endoderm, mesoderm, and ectoderm and reports are available for each cell line. Genetic analysis is also provided for each iPSC line.