Help make breakthroughs possible

£10 could buy slides so scientists can study 100 samples

£20 could fund one hour of groundbreaking research

£50 could provide access to specialist equipment for studying cells

£120 could support complex protein analysis

£250 could pay for a genetic test to help identify dementia risk genes

£1,000 will allow researchers to buy synthetically made amyloid, to better understand this hallmark Alzheimer’s protein in the lab

£1,500 could pay for a specialised brain scan to help track dementia as it progresses

£10,000 could pay for the cutting-edge technology needed to study the genes involved in dementia

£15,000 will support a PhD student for one year as they develop vital scientific skills and answer important questions in dementia research

£20,000 will allow us to send the latest dementia information leaflets to every GP practice and library in the UK, reaching thousands of people who may have concerns about themselves or someone close to them.
Projects **powered by you**

Here are some of the pioneering research projects your donations are making possible across the UK.

1. **Edinburgh**
A team of scientists led by Prof Karen Horsburgh is investigating how changes to blood flow in the brain could trigger immune cells, which normally act to protect the brain, to go rogue and cause damage.

2. **Sheffield**
Prof Mimoun Azzouz is studying cells donated by people with frontotemporal dementia to investigate a faulty gene associated with the disease called C9orf72.

3. **Cambridge**
Prof Clare Bryant and her team are looking at how genes are affected by the amyloid protein found in Alzheimer’s disease.

4. **London**
Dr Frances Wiseman is investigating how duplicated genes in people with Down’s syndrome increase their risk of Alzheimer’s disease. Her work could help identify new drug targets for the disease.

5. **Southampton**
Prof Delphine Boche and her PhD student are using brain imaging techniques to understand the role of specialised brain cells called microglia in Alzheimer’s disease.

6. **Cardiff**
Prof Paul Morgan and his team will look at a protein called clusterin, which is found in the blood. They will see how changes to the gene that makes this protein can contribute to Alzheimer’s disease.

7. **Bristol**
Dr Scott Miners is investigating the role of cells called pericytes that regulate blood flow in the brain. They will test potential drug targets that could help treat the diseases that cause dementia.

8. **Manchester**
Dr Piers Dawes’ research is working to understand the links between hearing impairment and dementia, improving our knowledge of risk factors for the condition.

Every project takes us closer to life-changing treatments and one day a cure for dementia.

To find out more about current projects you’re helping to fund, visit: [alzheimersresearchuk.org/research/research-projects](http://alzheimersresearchuk.org/research/research-projects)