



**Alzheimer's  
Research  
UK**

The Power to Defeat Dementia

*For office use only:*

<b>Name</b>	Dr Research Team
<b>Project Title</b>	
<b>Institution</b>	Alzheimer's Research UK
<b>Reference</b>	1751

**PhD Scholarship**

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**APPLICATION FORM**

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**CONFIDENTIAL**

**A. Project summary**

**1. Title**

**2. Lay summary**

It is not necessary to detail the importance of dementia, amyloid or tau)  
(max. 200 words)

**3. PhD supervisor**

Name Dr Research Team

*Address of institution (to be awarded the grant)*

University/Hospital/Organisation

Department

Institution address

Institution phone number

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## **B. Eligibility**

### **Question 1:**

If the project requires ethical approval (clinical work) and/or Home Office licences (animal work), the award is dependent upon the requisite approvals being granted. Do you accept this condition?

**Yes**

### **Question 2:**

The lead applicant and point of contact must be based in a UK academic/research institution. However, the application can include researchers or institutions outside the UK. Are you (or will you be) based in a UK academic/research institution?

**Yes**

### **Question 3:**

PhD Scholarships can only be applied for by individual or joint supervisors, not students. Are you a supervisor?

**Yes**

### **Question 4:**

The lead supervisor must have a contract with the institution covering the duration of the scholarship. If the lead supervisor does not hold a tenure or tenure-track appointment, the application must include a co-supervisor that does. Do you (and your co-applicants) qualify?

**Yes**

### **Question 5:**

The PhD Scholarship scheme covers a full three year PhD programme. It does not cover funding gaps for PhD students who have already started their studies or have obtained part funding elsewhere. Do you wish to apply for a full three year PhD Scholarship?

**Yes**

## **C. Project details**

### **1. Resubmission**

If this application is a resubmission please detail how this application differs from your last submission taking into account any feedback received.

### **2. Summary**

Structured scientific summary for scientific assessors. Please include: important background, hypothesis, and expected outcomes for dementia.

### **3. Background**

Provide context for the application, including research in the field and by the applicants

### **4. Aims of project**

Include specific hypotheses to be tested

### **5. Experimental plan and methods**

Please provide sufficient detail that experimental protocols can be assessed for suitability and likelihood of success. Please specify both materials and methods, numbers for experiments involving animals/ human subjects, source/cohort/recruitment plan, analysis methods/statistics. Only details for routine experiments such as Western blots, PCR etc. should be excluded. Please include power calculations in the section below.

### **6. Power calculations**

Please include power calculations for animal or clinical studies. These should be referenced in the cost justification

### **7. Translation**

The research funded by ARUK must have the potential to be of value to the prevention and treatment of dementia, accepting that the translation of fundamental research to patient benefit can take many years. Nevertheless, ARUK believes that an early consideration of the potential translational path from novel science to patients is a useful exercise to undertake. Clearly, the translational path for some projects will be obscure in

the absence of knowing the data that might be generated and this should not dissuade scientists from submitting their proposals. But for some studies, projecting a forward translational path might change the original conception of the project so as to increase its translational potential. Thus, if a proposal is predominantly in vitro in nature, a consideration of how potential findings might be replicated in more complex physiological systems should be articulated. For studies that are clinical in nature, the translational path is more one of utility, and researchers should outline the path by which their research will benefit and/or be of use for patients. Also, it might be relevant for clinical studies to have a reverse-translational pathway, such that novel findings can be explored in a preclinical setting. This information will be used in aggregate to ensure that, overall, the science that ARUK is funding is appropriately balanced in terms of innovation and application.

## **8. ARUK funding**

Outline findings from any prior/current ARUK grants and describe how these relate to the application

## **9. Other research activities**

Explain how the proposed project relates to ongoing research. If there is an overlap with existing grant support or work, specify and explain the overlap as precisely as possible

## **10. Funding bodies**

List other funding bodies to which you have also applied for this project or Fellowship; include expected date of result

## **11. Research and training environment**

Describe the environment in which the research project will be set and the provisions that will be made for the education and training of the student in both the research microenvironment and the wider environment of the institution. Applications from ARUK Network members can omit details of the research environment that are familiar to ARUK, but please include any relevant recent changes

## **12. References**

Provide full references including the titles, using a journal convention, and cite in the text. Cite key papers rather than attempt to be comprehensive.

**D. Ethics**

**Will animals be used?** Yes

**If yes, please list species to be used**  
C. elegans  
Drosophila  
Fish  
Mouse  
Rat  
Rabbit  
Other

**Are any animals genetically modified?** Yes

**Home Office license needed?** Yes

**If yes, date expected or received**

**Does your proposal involve the use of animals or animal tissue outside the UK?** Yes

**What would be the severity of the procedures?** Moderate

**Please provide details of any moderate or severe procedures**

**Why is animal use necessary; are there any other possible approaches?**

**Why is the species/model to be used the most appropriate?**

**Will human subjects or samples be used?** Yes

**If yes, please list human subjects or samples to be used.**  
Blood samples  
Brain samples  
CSF samples  
Live patients  
Stem cells  
Other

**Ethics approval, date received**

or expected

### Lay Proposal

1. **What are the aims of the study? (Clearly state what you are trying to achieve and why it is relevant to your audience.)**
  
2. **How will the research have an impact on people with dementia? (People are interested in how your work could lead to a preventative measure, treatment or new diagnostic technique, so try to frame your work in this context. Remember to discuss why this work is necessary. You need to say why your project is important in helping us defeat dementia and how this particular study will take us closer to that goal.)**
  
3. **What does the research involve for people taking part? (Explain what tests the people in this research study will have.)**
  
4. **Will people have to travel to take part? (Give details of where the people taking part will have to go. If travel is required, will their expenses be covered?)**
  
5. **How many visits will the person taking part need to make? (Give details of how many times the person will be asked to take part. Does the study involve a one off visit or do they have to make a number of visits at different intervals throughout the research study.)**
  
6. **How long will the person taking part be involved in the study for? (Provide details of how long each individual participant session will take and whether participants will be required to have multiple tests in one visit. If the person taking part is required to attend multiple sessions, provide details of the duration of the research study.)**

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7. **What information will be collected, and how will it be used? (Describe the information that the people involved in your research will provide you with and how this relates to the aims of the research study.)**

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**E. Applicants**

**Dr Research Team (PhD supervisor)**

Research Team, Alzheimer's Research UK  
United Kingdom

Email: [research@alzheimersresearchuk.org](mailto:research@alzheimersresearchuk.org)

Tel:

Mob:

Fax:

**Degree/qualification**

No degrees or professional qualifications.

**Employment record**

No employment history.

**Publications**

No publications.

**Current grants and contracts**

No current grants and contracts added.

**Scientific career details**

No scientific career details.

**PhD students supervised**

No supervised students.

**Other relevant details**

No other relevant details.

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**F. Graduate student's CV**

Name

Title

Gender

Nationality

Date of birth

**1. Education**

Most recent first, include: dates, degree, subject and school/university/institution

**2. Scientific training**

Include any research experience, courses, awards, publications

**3. Other relevant information**

**4. Other interests**

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## G. Finance and costs

### 1. Staff salaries

Name: PhD Student

	Year 1	Year 2	Year 3	Total
Basic Salary	£15,000.00	£15,000.00	£15,000.00	£45,000.00
London Weighting	£0.00	£0.00	£0.00	£0.00
FTE(%)	100%	100%	100%	
<b>Total</b>	<b>£15,000.00</b>	<b>£15,000.00</b>	<b>£15,000.00</b>	<b>£45,000.00</b>

### 2. Tuition fees

	Year 1	Year 2	Year 3	Total
Tuition Fees	£5,000.00	£5,000.00	£5,000.00	£15,000.00
<b>Total</b>	<b>£5,000.00</b>	<b>£5,000.00</b>	<b>£5,000.00</b>	<b>£15,000.00</b>

### 3. Running costs

	Year 1	Year 2	Year 3	Total
Runnings costs	£15,000.00	£15,000.00	£15,000.00	£45,000.00
Research expenses				
<b>Total</b>	<b>£15,000.00</b>	<b>£15,000.00</b>	<b>£15,000.00</b>	<b>£45,000.00</b>

### 4. Totals

	Year 1	Year 2	Year 3	Total
<b>Salaries</b>	£15,000	£15,000	£15,000	£45,000
<b>Tuition fees</b>	£5,000	£5,000	£5,000	£15,000
<b>Running costs</b>	£15,000	£15,000	£15,000	£45,000
<b>Overall Total</b>	<b>£35,000</b>	<b>£35,000</b>	<b>£35,000</b>	<b>£105,000</b>

**H. Collaborators**

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## **I. Classifications**

### **1. Disease classifications**

Which major disease groups best fit your research?

Alzheimer's disease (and variants)

Frontotemporal lobar degeneration (including FTD/Pick's disease, semantic dementia, etc)

Vascular dementia (including multi-infarct dementia, Binswanger's disease, etc)

Dementia with Lewy Bodies (including Parkinson's disease)

Diabetes

### **2. UKCRC classifications**

1.1 Normal biological development and functioning

1.2 Psychological and socioeconomic processes

1.3 Chemical and physical sciences

1.4 Methodologies and measurements

1.5 Resources and infrastructure (underpinning)

2.1 Biological and endogenous factors

2.2 Factors relating to physical environment

2.3 Psychological social and economic factors

2.4 Surveillance and distribution

2.5 Research design and methodologies (aetiology)

2.6 Resources and infrastructure (aetiology)

3.1 Primary prevention interventions to modify behaviours or promote well-being

3.2 Interventions to alter physical and biological environmental risks

3.3 Nutrition and chemoprevention

3.4 Vaccines

3.5 Resources and infrastructure (prevention)

4.1 Discovery and preclinical testing of markers and technologies

4.2 Evaluation of markers and technologies

4.3 Influences and impact

4.4 Population screening

4.5 Resources and infrastructure (detection)

5.1 Pharmaceuticals

5.2 Cellular and gene therapies

5.3 Medical devices

5.4 Surgery

5.5 Radiotherapy

5.6 Psychological and behavioural

5.7 Physical

5.8 Complementary

5.9 Resources and infrastructure (development of treatments)

6.1 Pharmaceuticals

6.2 Cellular and gene therapies

6.3 Medical devices

6.4 Surgery

6.5 Radiotherapy

6.6 Psychological and behavioural

6.7 Physical

6.8 Complementary

6.9 Resources and infrastructure (development of treatments)

7.1 Individual care needs

7.2 End of life care

7.3 Management and decision making

7.4 Resources and infrastructure (disease management)

8.1 Organisation and delivery of services

8.2 Health and welfare economics

8.3 Policy ethics and research governance

8.4 Research design and methodologies

8.5 Resources and infrastructure (disease management)

3. **Research Area**

For classification purposes only, which research area best fit your research?

Diagnosis

Prevention

Treatment

Understanding the cause of disease

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