Alzheimer's Research UK | Make breakthroughs possible

Pilot project grant

APPLICATION FORM

Confidential

Reference number	4859
Applicant	Prof Research Team
Organisation	
Grant Title	
Grant Duration	24
Grant Start Date	
Grant End Date	
Total Amount Requested	.00
Participants	

Date submitted: -

Table Of Contents

1. Project summary

Title of project	

Lay Summary (it is not necessary to detail the importance of dementia, amyloid or tau)

Are your Institution details above correct?	Yes

Proposed start date	

Proposed duration	24

2. Proposal

Resubmission Have you previously submitted this application to ARUK?	Yes

The resubmission policy of Alzheimer's Research UK has changed.
Previously declined applications will not be considered by ARUK unless invited in writing to resubmit. [if it scored less than 2.5 at the GRB meeting or if specified by the GRB]. Applicants resubmitting an application should declare this on the relevant section of the application form.
Applications which are significantly different in terms of objectives and scope and that go beyond addressing the reviewers' concerns of the previous application will be considered, in competition with other applications.

Please state the previous grant reference number and detail any changes you have made in response to review comments.

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

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

Aims of the project
Include specific hypotheses to be tested.

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.

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

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.

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

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.

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

Research environment of the home institution related to dementia
Applications from ARUK Network members can omit details of the research environment that are familiar to ARUK, but please include any relevant recent changes

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.

3. Ethics

Will animals be used?	Yes

Please select from the species list below
Species

C. elegans, Drosophila, Fish, Mouse, Rat, Rabbit, Other

Are any animals genetically modified?	Yes

What is the species/model to be used?	

Home Office license needed?	Yes

date received or expected:	

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 procedures?
Moderate - Please provide details of any moderate procedures? Severe - Please provide details of any 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

Please select from the human subjects or samples list below

Please tick all that apply

Human volunteers, Blood samples, Brain samples, CSF samples, Stem cells, Pre-existing patient data, Other

Ethics approval, date received or expected:	

Lay proposal The lay proposal will be read by our Lay Review Volunteers (who have experience of dementia, either as patients, carers or former carers) so should be written in plain English. For further information and guidance please click the help icon.

What are the aims of the study? Clearly state what you are trying to achieve and why it is relevant to your audience

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.

What does the research involve for people taking part? Explain what tests the people in this research study will have.

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?

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.

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.

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.

4. Data management

Alzheimer's Research UK supports the view that publicly-funded research data is produced in the public interest and that making research data openly available to the maximum extent possible is essential to the conduct and advancement of dementia science. We encourage our researchers to maximise the value of research data by sharing these data in a responsible and timely manner.

Alzheimer's Research UK applicants must consider their approach to managing and sharing data at the application stage. Applicants will need to fill in a data management plan which will be subject to peer-review by external reviewers and the Grant Review Board. Costs (and cost justification) for delivering the data management plan should be included in the budget section of the grant application, as part of running costs.

The expectation is that raw data resulting from ARUK-funded research will be shared freely, for example, on institutional repositories or structured data repositories like gene and protein databases. If there are ethical or intellectual property considerations that preclude data sharing, please explain these in the box provided.

In this box please include:

1. The type(s) of data proposed to be generated
2. When you intend to share the data
3. Plans for managing and storing data, including sustainability and preservation
4. Suitability for sharing as well as how others will be able to discover and access the data

5. Finance and costs

Staff members

Budget Item 1

Name (if known)	

Staff Type	(SELECT)

Salary Scale	(SELECT)

	Year 1 (£)	Year 2 (£)	Total (£)
Basic Salary	0.00	0.00	0.00
National Insurance	0.00	0.00	0.00
Superannuation	0.00	0.00	0.00
Inflation	0.00	0.00	0.00
London Weighting	0.00	0.00	0.00
Total	**£0.00**	**£0.00**	**£0.00**

Equipment

Budget Item 1

Equipment

Item	

Justification

	Year 1 (£)	Year 2 (£)	Total (£)
Costs			0.00

Animals

Budget Item 1

Animals

Item	

Model	

Justification

	Year 1	Year 2	
Animals			

	Year 1 (£)	Year 2 (£)	Total (£)
Costs			0.00

Running costs

Budget Item 1

Running Costs

Item	

Justification

	Year 1 (£)	Year 2 (£)	Total (£)
Costs			0.00

Is inflation calculated in the non-salary costs?	Yes

Please list the percentage used for calculation	

Totals			
	Year 1	Year 2	Total
Salaries	£0.00	£0.00	£0.00
Equipment	£0.00	£0.00	£0.00
Animals	£0.00	£0.00	£0.00
Running costs	£0.00	£0.00	£0.00
Total	**£0.00**	**£0.00**	**£0.00**

6. Lead applicant's CV

Title	Prof	**Address Line 1**	3 Riverside
Forename(s)	Research	**Address Line 2**	Granta Park
Surname	Team	**Address Line 3**	
Date of Birth		**County**	Cambridgeshire
Nationality		**Country**	United Kingdom
Speciality	Research	**Postcode**	CB21 6AD
Position		**Telephone No.**	01223824500
Department	Research	**Email Address**	research@alzheimersresearchuk.org
Institution	Alzheimer's Research UK		

Degree/qualification

From	To	Qualification	Institution

Employment record

From	To	Position	Organisation

Publications

Publications

Current grants and contracts

Start (mm/yyyy)	Total Award Amount	Source	Title	Details

Scientific career

Date	Details

Relevant Research Outputs

In order to support the scientific assessment of your proposal, please list up to three key outputs that provide a rationale for the proposed project. The outputs may or may not be your own work and a brief statement of their relevance should be included. Research outputs may include, but are not limited to:

- Peer reviewed publications
- Datasets, software and research materials
- Inventions, patents and commercial activity

Other relevant details – including teaching or clinical commitments and career breaks

7. Co-applicants' CVs

Co-applicants will have responsibility alongside the lead applicant for the project. If someone is important for the project but will not have such responsibilities, please add them as a collaborator

8. Collaborators

Please attach letter(s) of support.

9. Attachments

NOTE: All attachments from the application will be displayed above, this includes any added in the section below.

10. Disease classification

For classification purposes only, which major disease groups best fit your research, tick all that apply.

Disease

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

11. UKCRC classification

For classification purposes only, tick all that apply.
No For classification purposes only, tick all that apply. have been added

12. Research area

For classification purposes only, which research area best fit your research, tick all that apply.

Research Area

Diagnosis, Prevention, Treatment, Understanding the cause of disease

13. Eligibility check

To apply for this grant applicants must fulfil all eligibility requirements. Please read and enter a response to the following eligibility questions – placing a tick next to the question means 'yes', leaving the box blank means 'no'.

☒ If the project requires Ethics 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?

☒ This grant scheme is not a funding mechanism for drug discovery or development; these should be applied for through the Dementia Consortium or through ARUK's Drug Discovery Institutes. Please confirm that your application is not for drug discovery or drug development.

☒ This grant scheme is not a funding mechanism for clinical trials; these should be applied for through ARUK's Global Clinical Trials Fund. Please confirm that your application is neither for a clinical trial, nor for an add-on to an ongoing clinical trial.

☒ 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?

☒ The Lead Applicant is expected to have a contract (fixed term or tenure) which covers the proposed duration of the grant. If the Lead Applicant does not hold a tenure appointment, the application must include a co-applicant that does. Do you qualify?

☒ DRI post-docs eligible for funding under the "UK DRI Pilot Studies Programme" are not eligible to apply for ARUK Pilot Project grants. Can you confirm that you are eligible?

14. Lead applicant statement

I certify that the statements in this application are true, complete and accurate to the best of my knowledge. I certify that I have obtained the necessary consents and permissions to present all materials and data included in this application. In addition, I certify that I have acknowledged the source of all materials and data included in this application. I agree to accept responsibility for the scientific content of the project and to provide the required progress reports if a grant is awarded as a result of this application.

As the lead applicant I certify responsibility for this application.