



**Alzheimer's
Research
UK**

Make
breakthroughs
possible

Clinical Research Fellowship

APPLICATION FORM

Confidential

Reference number	4847
Applicant	Prof Research Team
Organisation	Alzheimer's Research UK
Grant Title	
Grant Duration	36
Grant Start Date	25/12/2019
Grant End Date	
Total Amount Requested	3.00
Participants	

Table Of Contents

1. Project Summary
2. Proposal
3. References
4. Ethics
5. Data management
6. Finance and costs
7. Fellowship applicant's CV
8. Supervisors' CVs
9. Collaborators
10. The Deanery Office
11. Attachments
12. Disease classification
13. Research area
14. Eligibility Check
15. Lead applicant statement

Pre-submission

1. Project Summary

Title of project	
-------------------------	--

Lay Summary Please provide a public-facing lay summary of your Fellowship proposal. Note that this summary may be used by representatives of Alzheimer's Research UK during the review process and, if your application is successful, it may also be used to describe your project to the public, prospective donors and other stakeholders. Please click on the help icon for advice on preparing a lay summary.

Institution	Alzheimer's Research UK
--------------------	-------------------------

Are your Institution details above correct?	Yes
--	-----

Proposed start date	25/12/2019
----------------------------	------------

Proposed duration	36
--------------------------	----

Pre-submission

2. Proposal

Scientific Summary

Please provide a stand-alone scientific summary for scientific assessors, this alone will be used help external peer reviewers decide whether they have the appropriate expertise to review your application. You should include: limited background, your hypotheses, the techniques that will be used and the expected outcomes for dementia. Prospective reviewers will not be given full access to your application until they agree, therefore avoid including any citations or figure references here.

Resubmission

Have you previously submitted this application to ARUK? You must answer yes to this question even if the proposal was submitted under a different grant scheme.

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.

Background

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

Aims of the project

Please list the aims of the project, including any specific hypotheses to be tested.

Experimental plan and methods

Using your aims to structure your response, please provide sufficient detail that experimental protocols can be assessed for suitability and likelihood of success. Please provide details of preliminary data and specify both materials and methods, source/cohort/recruitment plan, and 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, including numbers for experiments involving animals/human subjects.

Power calculations

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

Translation

Please state how the proposed research plans contribute to a forward translational path. Using the Association of Medical Research Charities' guidance on classifying impact listed below, please detail how expected outcomes of the proposed research plans demonstrate a pathway to impact:

Date submitted: -

- Generating new knowledge
- Translating research ideas into new products and services
- Creating evidence that will influence policy or other stakeholders
- Developing the human capacity to do research
- Stimulating further research via new funding or partnerships

Training Opportunities

ARUK Fellowships are designed for training towards an academic career in dementia research. Provide details of research training opportunities, facilities and collaborators available and provide details of how you have, and will continue to, actively pursue these opportunities.

Changing institutions allows you to acquire new skills and network. If you are changing institution for this Fellowship, please explain what has led you to select the new location. If you propose staying in the same laboratory/institution, please justify how you intend to develop beyond what has already been achieved and why other laboratories are not equally suitable.)

Current Funding Sources

Please detail your current funding and how this proposal relates to funded research in your sponsor's laboratory. ARUK cannot support Fellowships in which the sponsor or applicant has already obtained funding for the outlined research

Funding bodies

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

Pre-submission

3. References

References

Vancouver reference styling is preferred. Please list the references, including article titles, that have been cited in the previous section. Where appropriate, cite key papers rather than attempt to be comprehensive.

Pre-submission

4. 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:	20/05/2019
----------------------------	------------

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

What would be the severity of the procedures?	Severe
---	--------

Please provide details of any severe 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 volunteers or samples be used?	Yes
---	-----

Please select from the human volunteers or samples list below

Please tick all that apply. **Importantly**, if CSF samples, for example, are being taken from human volunteers, then **both** CSF samples and human volunteers should be selected. If you will use human samples that have previously been collected and stored, or data that will be accessed through a pre-existing well defined cohort, they you do not need to tick human volunteers.

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

Ethics approval, date	20/05/2019
-----------------------	------------

Date submitted: -

received or expected:	
-----------------------	--

Lay proposal As you have indicated that human volunteers will be involved in your study, your proposal will be sent for lay review in addition to scientific review. Lay reviewers are volunteers who have personal experience of dementia, either through caring for a family member or close friend with the condition, or because they are living with dementia themselves. 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.

Date submitted: -

5. 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

Pre-submission

6. Finance and costs

Staff members

Budget Item 1

Name (if known)	
Staff Type	Other
Other Staff Type	
Salary Scale	Other (please specify)
Salary Scale Other	
Scale Grade - Other	

	Year 1 (£)	Year 2 (£)	Year 3 (£)	Total (£)
Basic Salary	0.00	0.00	0.00	0.00
National Insurance	0.00	0.00	0.00	0.00
Superannuation	0.00	0.00	0.00	0.00
Inflation	0.00	0.00	0.00	0.00
London Weighting	0.00	0.00	0.00	0.00
Total	£0.00	£0.00	£0.00	£0.00

Animals

Budget Item 1

Animals

Item	
Model	
Justification	

	Year 1	Year 2	Year 3
Animals	0	0	0

Date submitted: -

	Year 1 (£)	Year 2 (£)	Year 3 (£)	Total (£)
Costs	0.00	0.00	0.00	0.00

Running costs

Budget Item 1

Running Costs

Item	
------	--

Justification

	Year 1 (£)	Year 2 (£)	Year 3 (£)	Total (£)
Costs	1.00	1.00	1.00	3.00

Is inflation calculated in the non-salary costs?	Yes
--	-----

Please list the percentage used for calculation	
---	--

Totals				
	Year 1	Year 2	Year 3	Total
Salaries	£0.00	£0.00	£0.00	£0.00
Animals	£0.00	£0.00	£0.00	£0.00
Running costs	£1.00	£1.00	£1.00	£3.00
Total	£1.00	£1.00	£1.00	£3.00

Pre-submission

7. Fellowship 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
------	---------

Early Career Researcher Framework

An impressive scientific career to date is just one stepping stone along the pathway to independence. To further demonstrate eligibility for a Research Fellowship please provide evidence of achievements that demonstrate an upward trajectory, and a track record of delivering research projects with evidence of outputs. To help structure your response, you should refer to our Early Career Researcher Framework that comprises the following sections:

1. Research Vision
2. Research Experience and potential (if not already covered in "Scientific career" above)
3. Personal development
4. Leadership
5. Communication and engagement skills
6. Profile and influence

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

Date submitted: -

- Datasets, software and research materials
- Inventions, patents and commercial activity

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

Pre-submission

8. Supervisors' CVs

Supervisor Please add the lead supervisor for this application

Co-Supervisor's Please add the co-supervisors for this application

Pre-submission

9. Collaborators

Please attach letter(s) of support.

Pre-submission

Pre-submission

11. Attachments

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

Pre-submission

12. 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

Pre-submission

13. 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

Pre-submission

14. 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'.

- Fellowships must be applied for by the proposed Fellow, not the Supervisors. Are you the Fellow?
- Fellows are required to have secured a supervisor, a senior established investigator in the institution where the Fellowship is to be held. The Supervisor will provide the facilities required for the research programme, will have oversight of the Fellow and their research programme, and will contribute actively to the further training of the Fellow. Do you have a supervisor?
- The prospective Fellow and Lead Supervisor must be based in a UK academic/research institution. However, the application can include co-applicants or collaborators from outside the UK. Are you (or will you be) based in a UK academic/research institution?
- This scheme can be for either clinical or 'basic' research projects. However, the Fellow must be clinically qualified (such as UK MRCP, MRCPsych, BPS accreditation, or equivalent) with an honorary clinical contract.
- The Lead Supervisor must have a contract (fixed term or tenure) with the host institution covering the proposed duration of the Fellowship. If the Lead Supervisor does not hold a tenure appointment, the application must include a co-supervisor that does. Do your Supervisor(s) qualify?
- 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?

Pre-submission

Date submitted: -

15. 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.

Pre-submission