



Senior Research Fellowship

APPLICATION FORM

Confidential

Reference number	4861
Applicant	Prof Research Team
Organisation	
Grant Title	
Grant Duration	48
Grant Start Date	
Grant End Date	
Total Amount Requested	.00
Participants	

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Pre-submission

1. Project Summary

Title of project	
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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.

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Are your Institution details above correct?	
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Proposed start date	
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Proposed duration	48
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Pre-submission

2. Proposal

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

Resubmission

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.

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.

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 save detailed power calculations, including numbers for experiments involving animals/human volunteers, for the following question.

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

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outcomes of the proposed research plans demonstrate a pathway to impact:

- 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

Please refer to ARUK's webpage on monitoring progress and impact for more information.

Other research activities

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

Research environment of the home institution related to dementia

Please indicate the reasons for choosing your host institution and sponsor. If applying for a fellowship in your current institution, please justify reasons for this. Include details of research plans that are independent of current work in your sponsor department and credible plans to grow an independent research team that will enable you to work independently of the sponsor.

The purpose of Senior Research Fellowships is to foster researchers in their "transition to independence". 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.

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
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Please select from the species list below
Species

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

Are any animals genetically modified?	Yes
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What is the species/model to be used?	
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Home Office license needed?	Yes
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date received or expected:	
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Does your proposal involve the use of animals or animal tissue outside the UK?	Yes
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What would be the severity of the procedures?	Moderate
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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?	
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Why is the species/model to be used the most appropriate?	
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Will human volunteers or samples be used?	Yes
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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, Pre-existing patient data, Stem cells, Other

Ethics approval, date received or expected:	
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Date submitted: -

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.

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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)	
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Staff Type	(SELECT)
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Salary Scale	(SELECT)
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	Year 1 (£)	Year 2 (£)	Year 3 (£)	Year 4 (£)	Total (£)
Basic Salary	0.00	0.00	0.00	0.00	0.00
National Insurance	0.00	0.00	0.00	0.00	0.00
Superannuation	0.00	0.00	0.00	0.00	0.00
Inflation	0.00	0.00	0.00	0.00	0.00
London Weighting	0.00	0.00	0.00	0.00	0.00
Total	£0.00	£0.00	£0.00	£0.00	£0.00

Equipment

Budget Item 1

Equipment

Item	
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Justification	
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	Year 1 (£)	Year 2 (£)	Year 3 (£)	Year 4 (£)	Total (£)
Costs					0.00

Animals

Budget Item 1

Animals

Item	
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Model	
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Justification

	Year 1	Year 2	Year 3	Year 4	
Animals					

	Year 1 (£)	Year 2 (£)	Year 3 (£)	Year 4 (£)	Total (£)
Costs					0.00

Running costs

Budget Item 1

Running Costs

Item	
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Justification

	Year 1 (£)	Year 2 (£)	Year 3 (£)	Year 4 (£)	Total (£)
Costs					0.00

Is inflation calculated in the non-salary costs?	
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Totals					
	Year 1	Year 2	Year 3	Year 4	Total
Salaries	£0.00	£0.00	£0.00	£0.00	£0.00
Equipment	£0.00	£0.00	£0.00	£0.00	£0.00
Animals	£0.00	£0.00	£0.00	£0.00	£0.00
Running costs	£0.00	£0.00	£0.00	£0.00	£0.00
Total	£0.00	£0.00	£0.00	£0.00	£0.00

7. Principal 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
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Employment record

From	To	Position	Organisation
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Publications

Publications

Current grants and contracts

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

Date	Details
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Early Career Researcher Framework

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

1. Research Vision (You must demonstrate that your research plans do not significantly overlap with those of your proposed Sponsor and describe your increasing network of collaborators)
2. Research Experience and potential (Including your most relevant internationally competitive research and examples of previous independent funding – if not already covered in 'Scientific Career' section)
3. Personal development
4. Leadership (Detail your track record of supervision and identifying and maximising potential in others)
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

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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

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8. Sponsors' CVs

Please add the Sponsor for this application

Please add the co-Sponsor(s) for this application

Pre-submission

9. Collaborators

Please attach letter(s) of support.

Pre-submission

10. Attachments

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

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11. 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

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

Pre-submission

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'.

- Senior Fellowship sponsors are expected to hold tenure or tenure-track appointments. Do your sponsor(s) qualify?
- 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?
- Senior Fellowships are intended for outstanding researchers who have already a strong track record in dementia research but have not yet achieved tenure or tenure-track status. Can you confirm that you don't have tenure?
- 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/No
- Senior Fellowships must be applied for by the proposed Fellow, not the sponsor. Are you the Fellow?
- Senior Fellows are required to have secured the sponsorship of a senior established investigator in the institution where the Fellowship is to be held. The sponsor will provide the facilities required for the research programme. Do you have a sponsor?

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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.

Pre-submission