For office use only:

<table>
<thead>
<tr>
<th>Name</th>
<th>Dr Research Team</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Title</td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>Alzheimer's Research UK</td>
</tr>
<tr>
<td>Reference</td>
<td>1749</td>
</tr>
</tbody>
</table>
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. Lead applicant details

Name

Dr Research Team

Address of institution (to be awarded the grant)

University/Hospital/Organisation

Department

Institution address

United Kingdom

Institution phone number

Proposed start date

Proposed duration (months) 36
B. Eligibility

Question 1:
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 2:
If the project requires ethical approval (clinical work or use of human tissues) and/or Home Office licences (animal work), the award is dependent upon the requisite approvals being granted. Do you accept this condition?
Yes

Question 3:
The principal applicant is expected to hold a tenure or tenure-track appointment. Do you qualify?
Yes

Question 4:
You must not have been a principal grant holder in dementia research in the past. Do you qualify?
Yes

Question 5:
Is a co-applicant on the grant a researcher who has received funding to carry out dementia research in the past?
Yes
C. Lead Applicant

1. Have you ever applied for dementia research funding before as either a lead applicant or co-applicant? If so, please give details.

2. Why are you interested in working in this field?

3. What skills/experience/expertise will you bring?

4. Describe the anticipated input of your co-applicant with dementia research experience?
D. 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

(max 250 words)

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 environment of the institution(s) related to this proposal

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.
E. 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 01/01/2020

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 01/01/2020
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.)
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.)
F. Applicants

Dr Research Team (Lead applicant)
Research Team, Alzheimer's Research UK
United Kingdom
Email: 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.

Other relevant details
No other relevant details.
G. Finance and costs

1. Staff salaries

<table>
<thead>
<tr>
<th>Name:</th>
<th>Staff 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Other</td>
</tr>
<tr>
<td>Scale:</td>
<td>(no scale)</td>
</tr>
<tr>
<td>Grade:</td>
<td></td>
</tr>
<tr>
<td>Increment Date:</td>
<td>01/01/2020</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Salary</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
<tr>
<td>National Insurance</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
<tr>
<td>Superannuation</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
<tr>
<td>Inflation</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
<tr>
<td>London Weighting</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
<tr>
<td>FTE(%)</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
</tbody>
</table>

2. Equipment

<table>
<thead>
<tr>
<th>Equipment 1</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
<tr>
<td>Total</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
</tbody>
</table>

3. Animals

<table>
<thead>
<tr>
<th>Animals 1</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 1</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
<tr>
<td>Number</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
</tbody>
</table>

4. Running costs

<table>
<thead>
<tr>
<th>Running Costs 1</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Running Costs 1</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
<tr>
<td>Total</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
<td>£0.00</td>
</tr>
</tbody>
</table>

5. Totals

<table>
<thead>
<tr>
<th></th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
</tr>
<tr>
<td>Equipment</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
</tr>
<tr>
<td>Animals</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
</tr>
<tr>
<td>Running costs</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
</tr>
<tr>
<td>Overall Total</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
<td>£0</td>
</tr>
</tbody>
</table>

Is inflation calculated in the non-salary costs?
Yes
If yes please list the percentage used for calculation
0
H. Collaborators

Working Copy
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