WESTON
BRAIN INSTITUTE

APPLICATION
Weston Brain Institute Postdoctoral Scholars 2017

DEADLINE: **Tuesday, April 11, 2017 at 2:00 p.m. EDT**
Award announcements will be made in June 2017.

This application is an example only. Do not complete this paper application.
Please submit the Application online through the Institute's grant management system at https://weston.smartsimple.ca/welcome/neuroscience

Application Number:

Principal Applicant:

Project Title:

Proposed Supervisor at Oxford:

Application Overview

1. Keywords to describe the proposed work:

2. What type of tool(s) and/or therapeutic(s) is being developed as the main goal of the project?
*(Select only items being **developed** as the main goal of the project, e.g., do not select "animal model" unless you are developing a new animal model. There is **no** benefit to selecting more items.)*

Tool
- ☐ Animal model
- ☐ Assay/screen
- ☐ Biomarker
- ☐ Cell line
- ☐ Clinical assessment instruments
- ☐ Diagnostic
- ☐ Imaging technique or reagent
- ☐ New method of drug delivery
- ☐ Probe
- ☐ Other *Please specify:*

Therapeutic
- ☐ Biologic
- ☐ Cell therapy
- ☐ Electrical brain stimulation
- ☐ Magnetic brain stimulation
- ☐ Medical device
- ☐ Small molecule
- ☐ Surgical intervention
- ☐ Vaccine
- ☐ Other *Please specify:*

3. If a tool is being developed, please specify the type of tool being proposed in the project.

SAMPLE

4. If a therapeutic is being developed as the primary goal of the project, what phase(s) of development does the project cover?

5. Research will have a significant impact in which vascular disease(s) of aging?
*(Select only those that apply. There is **no** benefit to selecting more than one disease.)*

☐ Alzheimer's disease
☐ Dementia with Lewy Bodies
☐ Frontotemporal dementia
☐ Multiple system atrophy
☐ Parkinson's disease
☐ Progressive supranuclear palsy

☐ Vascular contributions to the listed diseases (not stroke-mediated vascular disease)
☐ Prodromes to the listed diseases (e.g., mild cognitive impairment to Alzheimer's disease; REM sleep behavior disorder as prodromal to Parkinson's disease)
If selected, please also select disease(s)that apply

6. Relevance of proposed work to the Institute's mandate: Explain how the primary tool or therapeutic being developed in this project (as identified in question 2 above) is translational research, and will accelerate the development of therapeutics for neurodegenerative diseases of aging. For tools, this requires addressing how the tool will have an immediate impact on accelerating translational research on therapeutics.

7. What type of tool(s) and/or therapeutic(s) is being developed aside from the primary goal of the project?

Tool
☐ Animal model
☐ Assay/screen
☐ Biomarker
☐ Cell line
☐ Clinical assessment instruments
☐ Diagnostic
☐ Imaging technique or reagent
☐ New method of drug delivery
☐ Probe
☐ Other *Please specify:*

Therapeutic
☐ Biologic
☐ Cell therapy
☐ Electrical brain stimulation
☐ Magnetic brain stimulation
☐ Medical device
☐ Small molecule
☐ Surgical intervention
☐ Vaccine
☐ Other *Please specify:*

8. Is this your first time applying for a grant from the Weston Brain Institute? ☐ Yes ☐ No

9. Is this your first application for a research grant specifically in the area of neurodegenerative diseases of aging? ☐ Yes ☐ No
(This information will not be used to assess the application)

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Personal and Project Information

Section 1: Personal and career questions

1. Personal statement: How do you plan to become a future leader in the development of therapeutics for neurodegenerative diseases of aging? Provide evidence of your leadership ability and potential, both within academic and broader community contexts. *(maximum 500 words)*

2. Career goals: Describe your long-term career path. Outline what you have done to date to reach your career goals. How will a position in your lab of choice at Oxford make you competitive to pursue your career goals when you return to Canada? How will you contribute to the Canadian neuroscience field in the future? *(maximum 500 words)*

3. Lab and environment: How will attending Oxford support your research and accelerate your career? Why is the lab that you selected the best environment to help you achieve your career goals? What skills will you learn in the lab at Oxford and bring back to Canada? *(*maximum 500 words*)*

Section 2: Scientific questions, project and impact

4. Background and impact: Please critically evaluate existing knowledge and identify the gaps that your project is intended to fill. Explain the research focus of the lab you will join at Oxford and how your research will fit within it. How will successful completion of this work accelerate the development of therapeutics for neurodegenerative diseases of aging? *(maximum 250 words)*

5. Hypothesis and specific aims: Clearly outline the aims of the project and the work to be completed during the award. *(maximum 250 words)*

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6. Experimental approach: How are you going to carry out the proposed work? Please include: experimental design and methods, go/no-go criteria and alternative approaches at critical milestones if needed. Mention supporting data to demonstrate feasibility of the methodology or to support the hypothesis and include it as an attachment in the supplementary materials. *(maximum 1000 words)*

List of publications cited in the application. Please include full citations with a complete author list and PMID.

ATTACHMENTS

1. **Applicant and Supervisor CV:** Attach your CV and that of your proposed supervisor, a maximum of 5 pages each
2. **Reference Letters:** Attach 3 letters of support (optional 4th letter):
   - one from your proposed supervisor at Oxford demonstrating their willingness to support your research and have you join their lab for 2 years
   - one from your current supervisor or PhD supervisor speaking to your scientific merit and promise as a future leading Canadian neuroscientist
   - another reference of your choice speaking to your scientific qualities and leadership qualities
   - optional 4th letter of support from your department/faculty (e.g., Dean) speaking to your potential as a future candidate for a faculty position after your fellowship
3. **Milestones**
4. **Supplemental Materials (optional):** You may submit supplementary materials to a maximum of 10 pages. The content included under supplementary materials should be directly relevant to the proposed work or cited in the application. Any materials beyond 10 pages, and/or that are not relevant will not be reviewed. Supplementary materials should not contain additional text for the application. Please note that this component of the proposal application is optional so it is not meant to be onerous.
5. **Signature Page**

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