

The Ruth K. Broad Biomedical Research Foundation, Inc.

A Duke University Support Corporation

Request for Applications: Broad Faculty Scholar in the Neurosciences

Application due: February 1, 2024

Next award period: July 1, 2024 – June 30, 2027

The Broad Faculty Scholar in the Neurosciences Award provides seed funding for high-priority, high-potential neurobiological research toward the prevention and cure of neurodegenerative diseases. The Foundation will provide \$125,000 per year for three years to support an innovative, pre-NIH project of a Duke faculty member.

Applications will be evaluated on the quality of the science, and the potential of the research for advancing understanding of neurodegenerative disorders, especially Alzheimer's disease. The research proposed should be a new direction of study for the applicant's lab, and uniqueness of the research is required criterion for selection.

The Foundation does not allow for indirect costs for this award.

To apply please submit:

- (1) Three-page proposal stating the nature of the research project, a description of the work to be done, the potential impact of the knowledge gained, and its potential relationship to Alzheimer's disease. Please utilize the template provided to title the project and include your name.
- (2) NIH format biographical sketch for each principal investigator.
- (3) Completed Broad Faculty Scholar in the Neurosciences budget and information form. Budget may not include salary or fringe benefits of the Duke faculty award applicant.

Finalists may be interviewed by the Ruth K. Broad Foundation intramural grant review committee. The purpose of the interview is to assess that the research proposed is a new direction for the applicant's lab.

Please submit applications ELECTRONICALLY as a single .pdf file with pages in the order specified above to RuthKBroadFoundation@mc.duke.edu no later than February 1, 2024. If you do not receive an acknowledgement of your email within three business days, please contact Cathleen Durgin at cathleen.durgin@duke.edu.

Awardee Requirements:

The award may require research presentations at the Foundation's annual Board of Directors meeting along with a one-page written progress report each year. Funding in years two and three are contingent upon demonstrating research productivity. A final written report is due by July 31, 2027.

The Foundation also requests recognition on any publication emanating from funded research.

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Previous recipients of the Duke Faculty Award

2021-2024

Noncoding regulation of gene transcription in human neurons

Anne West, MD, PhD

Professor, Departments of Cell Biology and Neurobiology

2017-2020

Molecular control of astrocyte cell number during development

Jeremy Kay, PhD

Assistant Professor, Departments of Ophthalmology and Neurobiology

2015-2017

Role of RNA binding proteins in cortical development and neurodevelopmental pathology

Debby Silver, PhD

Assistant Professor, Department of Molecular Genetics and Microbiology

2013-2015

The epigenetic dysfunction of SHANK3 and the susceptibility of Alzheimer disease

Yong-hui Jiang, MD, PhD

Assistant Professor, Department of Pediatrics

2011-2013

New molecular logic of Charcot-Marie Tooth disease/spinal muscular atrophy: Do CMT/SMA disease-causing human TRPV4 mutations compromise spinal cord motoneurons via upregulation of follistatin?"

Wolfgang Liedtke, MD, PhD

Department of Medicine/Neurology

2009-2011

Epigenetic Transcriptional Regulation of Neuronal Plasticity

Anne E. West, MD, PhD

Department of Neurobiology

2007-2009

Exploring Novel Pathways for the Treatment of Cognitive Impairment

Nicole Calakos, MD, PhD

Department of Neurology

2005-2007

Roles of Actin Regulatory Proteins in Synaptic Development and Plasticity

Guoping Feng, PhD

Department of Neurobiology

2003-2005

Proteomic Analysis of Synaptic Signaling Complexes in Animal Models of Aging and Alzheimer's Disease

Michael D. Ehlers, MD, PhD

Department of Neurobiology

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Broad Faculty Scholar Application

Applicant Name:

Applicant email and phone:

Project Title:

Describe the nature of the research project, the work to be done at each site, and the potential impact of the knowledge gained and its relationship to Alzheimer's disease (limit to 3 pages):

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Budget and Information Sheet

| Broad Faculty Scholar in the Neurosciences | | | | | | |
|--|-----------------|--------|-----------------|------------------|--------------|--------------|
| Award for Duke Faculty | | | | | | |
| Applicant name: | | | | | | |
| Mailing address: | | | | | | |
| City: | | State: | | Zip Code: | | |
| Email address: | | | | Phone number () | | |
| Staff Name | Role in Project | Salary | Fringe Benefits | Year 1 Total | Year 2 Total | Year 3 Total |
| | | | | \$ | \$ | \$ |
| Equipment: (description) | | | | \$ | \$ | \$ |
| Supplies: (description) | | | | \$ | \$ | \$ |
| Other: | | | | \$ | \$ | \$ |
| Subtotal of equipment, supplies and other: | | | | \$ | \$ | \$ |
| TOTAL | | | | \$125,000 | \$125,000 | \$125,000 |
| Award period: July 1, 2024 – June 30, 2027 Application deadline: February 1, 2024 | | | | | | |
| <p>Please send PDF applications to Cathleen Durgin, Secretary:</p> <p>ruthkbroadfoundation@mc.duke.edu</p> | | | | | | |