Boston University Alzheimer's Disease Center
T32 Postdoctoral Training Program Request for Applications

PROGRAM SUMMARY

The Boston University Alzheimer's Disease Center (BU ADC) is pleased to announce **one post-doctoral fellowship position to commence in Summer or Fall of 2012** for our NIA-funded *Alzheimer's Disease Translational Research Training Program (T32)*. This post-doctoral fellowship program addresses a growing need for well-trained Alzheimer's disease (AD) researchers capable of independently facilitating translational studies. The program provides structured and individualized translational research post-doctoral training for basic and clinical scientists, positioning them to make major contributions to the field of AD.

Trainees will benefit from the BU ADC's rich resources and collaborative research community. The program has four main objectives for participating fellows:

1. Establish an integrated knowledge base in the basic and clinical fundamentals of AD with a focus on risk factors, prevention, mechanistic pathways, pathophysiology, biomarkers, diagnostics, and therapeutics,
2. Acquire and refine essential research skills and critical professional skills for success in academic medicine,
3. Receive formal instruction and hands-on training regarding responsible conduct of research with animal and human subjects and the procedures and application processes of the Institutional Animal Care and Use Committee and Institutional Review Board,
4. Complete a jointly-mentored, interdisciplinary research experience that prepares the trainee for independent investigator status.

ELIGIBILITY

In order to be considered for the program, candidates must be a permanent resident or citizen of the United States with a medical or doctoral degree in clinical science or basic science, interested in developing a career in AD research. Candidates with a background in medicine (e.g., neurology, geriatrics, psychiatry, pathology), psychology, neuroscience, biochemistry, pharmacology, or a related area are particularly well-suited for participation.

FELLOW TRACKS

There are two training tracks: the **PhD Fellow Track** (2 or 3 year training period) and the **Physician Fellow Track** (3 year training period). Physician fellows matriculate through a master's degree program emphasizing research methodology and biostatistics during this timeframe.

FELLOWSHIP COMPENSATION

Fellowship stipend levels are in accordance with NIH guidelines based on years of postdoctoral experience and may be supplemented. Program fellows who engage in clinical research will be eligible to apply for the NIH Loan Repayment Program, which encourages promising early career clinical scientists by repaying up to $35,000 of their student loan debt each year.

PROGRAM FACULTY

Program faculty and their relevant research interests are outlined below. Prospective applicants should email or call the Program Manager (Elizabeth Daube, MSW, edaube1@bu.edu, 617-414-1077) with questions or for additional information.

Faculty Name	Primary Department	Research Interest
Carmela Abraham, PhD	Biochemistry	Cellular and molecular biology of AD and normal brain aging
J. Krzysztof Blusztajn, PhD	Pathology & Laboratory Medicine	Molecular and cellular neurobiology of brain development and aging
Andrew Budson, MD	Neurology	Cognitive neuroscience studies of false memories and enhancing effects of music in MCI and AD
Alpaslan Dedeoglu, MD, PhD	Neurology	Neurotherapeutics for AD, animal models of AD
Lindsay Farrer, PhD	Biomedical Genetics	Genetics of AD and other neuropsychiatric diseases, genetic epidemiology
Lee Goldstein, MD, PhD	Psychiatry	Early detection of AD, laser diagnostics, role of metals in AD, protein aggregation
David Harris	Biochemistry	Prion diseases; connections between AD and the prion protein.
Neil Kowall, MD	Neurology	Animal models of AD and neurodegeneration, AD therapeutics/clinical trials
Jennifer Luebke, PhD	Anatomy & Neurobiology	Anatomy, neurophysiology, and molecular biology of identified neurons in transgenic models of neurodegeneration
Ann McKee, MD	Neurology	Trauma related neurodegeneration, posterior AD neuropathology, vascular pathological correlates of AD
Marlene Oscar Berman, PhD	Behavioral Neuroscience	Alcoholism-related brain damage: Neurobehavioral consequences, gender differences, and synergism with aging
David Salat, PhD	Neurology	Structural & functional neuroimaging age-related neurodegenerative disease, vascular health and aging
Robert Stern, PhD	Neurology	Chronic traumatic encephalopathy, thyroid-brain relationships, driving and dementia, neuropsychology of AD
Benjamin Wolozin, MD, PhD	Pharmacology	Molecular and cellular biology of AD and other neurodegenerative diseases

APPLICATION INSTRUCTIONS

Please see application details below for required elements. All applications will be reviewed by the Training Review Committee. Select applicants will be invited to interview. Application materials must be received no later than **April 2, 2012** for consideration, and early submission is strongly encouraged. All applicants will be informed in writing of the review committee's decision no later than May 15, 2012.

For more information or to submit an application, please contact:

Elizabeth Daube, MSW
Education Programs Manager
Boston University Alzheimer's Disease Center
72 E. Concord Street, Robinson 7800
Boston, MA 02118
e-mail: edaube1@bu.edu
phone: 617-414-1077

Established in 1996, the Boston University Alzheimer's Disease Center is committed to conducting cutting-edge AD research, providing clinical care and support to AD patients, and contributing to quality education of the next generation of AD investigators. For more information on the BU ADC, please visit: http://www.bu.edu/alzresearch/

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Postdoctoral Training Program Application

Please complete and return this form along with the following required elements:

- A **two-page statement of research experience and interests**, including potential project ideas to be conducted during the fellowship and intended primary and secondary research mentors. The statement should be developed with assistance from the proposed mentorship team. Applicants are encouraged to contact potential mentors for guidance well before the deadline.
- A **two-page statement of long-term career and research goals** (as they relate to AD research) and how the applicant would benefit from participation in the program.
- **Three letters of reference** sent directly to the Program Manager from the referee.
- Current **curriculum vita**
- **Graduate transcripts**
- Scientific **writing sample**

Demographic & Contact Information

Applicant Name _____

Address for Correspondence _____

_____

Email _____

Work Phone Number _____ Home Phone Number _____

Are you a citizen of the United States? Yes _____ No _____

Are you a permanent resident of the United States? Yes _____ No _____

Sex Male _____ Female _____

Racial & Ethnic Self-Description (check all that apply)

American Indian/Alaska Native _____
Asian _____
Native Hawaiian or Other Pacific Islander _____
Black or African American _____
Hispanic or Latino _____
White _____

This program is particularly interested in encouraging applications from the following groups (check all that apply – please note, NIH requires this T32 program to report the frequency of the following categories from the entire applicant pool):

_____ Individuals from racial and ethnic groups that have been shown by the National Science Foundation to be underrepresented in biomedical and clinical research on a national basis.

_____ Individuals with disabilities, who are defined as those with a physical or mental impairment that substantially limits one or more major life activities.

_____ Individuals from disadvantaged backgrounds who are defined as either individuals who come from a family with an annual income below established low-income thresholds or individuals who come from a social, cultural, or educational environment, such as that found in certain rural or inner-city environments that has demonstrably and recently directly inhibited the individual from obtaining the knowledge, skills, and abilities necessary to develop and participate in a research career.

Education History (start with college and include all details through most recent degree/training experience, including residency or fellowships if appropriate)

Academic Degree/ Training Experience	Institution	Year

Title of Dissertation (if applicable) _____

_____

Dissertation Advisor (if applicable _____

_____

T32 Program Information

Proposed Research Project Title _____

_____

Intended Primary Faculty Mentor _____

Intended Secondary Faculty Mentor _____

Have you contacted intended faculty mentors? Yes No

If yes, please specify: _____

_____

_____

Signature of Applicant Date