

YALE UNIVERSITY • SCHOLAR AWARD COMPETITION
BURROUGHS WELLCOME FUND
Career Awards at the Scientific Interface

Bridging Support for Physical / Computational Scientists Entering Biology

DEADLINES

Monday, February 4, 2008 - Internal deadline

April 15, 2008 - Burroughs Wellcome Fund deadline for formal applications

PROGRAM WEBSITE

Please refer to the Burroughs Wellcome Fund website for more information about this program. Formal application instructions for the nominee(s) are outlined in detail at this website.

http://www.bwfund.org/programs/interfaces/career_awards_main.html

Program Brochure: <http://www.bwfund.org/programs/interfaces/CASI%20Brochure.html>

FAQ (recommend reading thoroughly):

http://www.bwfund.org/programs/interfaces/career_awards_faqs.html

BACKGROUND

Advances in genomics, quantitative structural biology, and modeling of complex systems have created opportunities for an exciting research career at the interface between the physical / computation sciences and the biological sciences. This award is designed to foster early career development of researchers with backgrounds in the physical/computational sciences whose work draws from training in a scientific field other than biology to address important questions in the biological sciences. *This includes, but is not limited to:* physical measurement or manipulation of biological phenomena, computer simulation of complex processes in physiological systems, mathematical modeling of self-organizing behavior, building probabilistic tools for medical diagnosis, developing novel imaging tools or biosensors, applying nanotechnology to manipulate cellular systems, predicting cellular responses to topological clues and mechanical forces, and developing a new conceptual understanding of the complexity of living organisms. Proposals that include experimental validation of theoretical models are encouraged.

ELIGIBILITY

- Applicants must hold a Ph.D. in mathematics, physics, chemistry, computer science, statistics, or engineering. Exceptions will be made only if the applicant can demonstrate significant expertise in one of these areas, evidenced by publications or advanced coursework.
- Candidates must have completed at least **12** months, but not more than 48 months of postdoctoral research training at the time of application. No exceptions to this requirement.
- During the grant period, awardees must complete at least 1 year of postdoctoral training.
- U.S. or Canadian citizenship or permanent resident status is required. Temporary residents of the U.S. may be eligible if their visa will allow sufficient time remaining in the U.S. to be productive on the project. Temporary residents should contact the Burroughs Wellcome Fund to confirm eligibility.
- Recipients must plan to devote at least 80% of their time to research-related activities.

FUNDING

- \$500,000 over 5 years to support up to 2 years of advanced postdoctoral training and the first 3 years of a faculty appointment.
- During the postdoctoral period, \$75,000 in the first year and \$55,000 in the second year are allocated to salary and research support.
- During the faculty appointment, salary and research support total \$110,000 per year.

NOMINATION LIMITATION

- Yale may nominate up to four (4) candidates for this award. BWF encourages institutions to nominate women and members of underrepresented minority groups for this award.

RECENT RECIPIENT

2003, Jeffrey R. Kuhn, PhD (MCDB) • 2007, Ming Chen Hammond, PhD (MCDB)

INTERNAL COMPETITION PROCEDURES

Complete instructions for submitting an application for the Internal Competition are available on the Grant & Contract Administration website at:

http://grants.med.yale.edu/funding_opportunities/internal-competition.html

FOR FURTHER INFORMATION, CONTACT:

Melanie Smith ▼ Yale University ▼ Funding Resource Center ▼ Phone: 737-5933

Last update: January 8, 2008

For upcoming Scholar Award deadlines: http://grants.med.yale.edu/funding_opportunities/deadlines.html