

Mentored Quantitative Scientist Career Development Award (K25)

PURPOSE

To support the career development of such investigators who make a commitment to basic or clinical biomedicine, bioengineering, bioimaging, or behavioral research. This award provides support for a period of supervised study and research for productive professionals with quantitative backgrounds who have the potential to integrate their expertise with NIH-relevant research and develop into productive investigators. It is intended for research-oriented investigators from the postdoctoral level to the level of senior faculty.

ELIGIBILITY

Degree Type: transdisciplinary sciences (Ph.D.s)

Award Type: individual

Career Stage: mentored postdoc or junior faculty

Other:

- Candidates must:
 - Be U.S. citizens, non-citizen nationals, or permanent residents of the United States at the time of award (see [program announcement](#) for definition of non-citizen nationals)
 - Have demonstrated research interests with an advanced degree in a quantitative area of science or engineering, such as M.S.E.E., Ph.D., or D.Sc. Backgrounds appropriate for this award include, but are not limited to: mathematics, statistics, computer science, informatics, physics, chemistry, and engineering
 - Identify a mentor with extensive behavioral or biomedical research experience
 - Be willing to spend at least 75% of full-time professional effort conducting research career development and basic or clinical research

- Applications must be submitted, on behalf of the candidate, by domestic organizations, public or private, such as research foundations/institutions, commercial entities, medical schools or other institutions of higher education, or Federal laboratories (except for laboratories of the NIH)

- Former Principal Investigators on NIH Small Grants (R03) or Exploratory/Developmental Grants (R21) are eligible to apply

- NOT ELIGIBLE:
 - Former Principal Investigators on NIH research project grants (R01), FIRST Awards (R29), comparable career development awards (e.g., K01, K08, K23), subprojects on Program Project Grants (P01) or center grants (P50) and equivalent are not eligible

FUNDING

Period of Support: Up to 5 years (with a minimum of 3 years), not renewable

Direct Cost Max/Year: \$115,000

Allowable Costs:

- Salary: Up to \$75,000 plus fringe benefits
- Research Development Support: Up to \$40,000 (covers such items as tuition, fees, books, research expenses, travel, research support services including personnel and computer time)

DETAILS

The Mentored Quantitative Scientist Career Development Award (K25) will support the career development of such investigators who make a commitment to basic or clinical biomedicine, bioengineering, bioimaging, or behavioral research. This award provides support for a period of supervised study and research for productive professionals with quantitative backgrounds who have the potential to integrate their expertise with NIH-relevant research and develop into productive investigators. It is

intended for research-oriented investigators from the postdoctoral level to the level of senior faculty. Transdisciplinary sciences includes training and career development for those disciplines that are normally regarded as outside of traditional behavioral and biomedical cancer research and/or training and career development in those areas of cancer research that will require individuals to conduct their research within highly interdisciplinary, collaborative team settings.

Candidates must have demonstrated research interests with an advanced degree in a quantitative area of science or engineering, such as M.S.E.E., Ph.D., or D.Sc. They must identify a mentor with extensive behavioral or biomedical research experience. Candidates must be willing to spend at least 75% of full-time professional effort conducting research career development and basic or clinical research. Applications may be submitted on behalf of candidates by organizations. At time of award, candidates must be citizens or non-citizen nationals of the United States, or have been lawfully admitted to the United States for permanent residence. Individuals on temporary or student visas are not eligible.

Former Principal Investigators of an NIH Small Grant (R03) or Exploratory/Developmental Grants (R21) remain eligible. Former Principal Investigators on NIH research project (R01), program project (P01), center grants, FIRST Awards (R29), SBIR/STTR awards, subprojects of program project (P01), or center grants, K01, K08 or K23 awards, or the equivalent are not eligible.

A candidate for the Mentored Quantitative Research Career Development Award may not concurrently apply for any other Public Health Service award that duplicates the provisions of this award nor have another application pending award. Mentored Quantitative Research Career Development Award recipients are strongly encouraged to apply for independent research grant support, either Federal or private, during the latter period of this K25 award. However, since the K25 is a full professional effort award, time conducting additional research directly related to this award is subsumed under the salary support already provided by this award.

Candidates must be willing to spend at least 75% of full-time professional effort conducting research career development and basic or clinical research. Candidates receive a salary up to \$75,000 plus fringe benefits and Research Development Support up to \$40,000.

This award is not renewable.

REVIEW CRITERIA

Candidate

- Academic and research record
- Potential to become an independent quantitative biomedical or bioengineering researcher or to play a role in multidisciplinary research teams
- Commitment to a career in quantitative biomedical or bioengineering research

Career Development Plan

- Appropriateness of the proposed didactic and research phases
- Consistency with career goals and prior research training experience
- Likelihood of substantial contribution to career development of candidate
- Quality of the proposed training in responsible conduct of research

Research Plan

- Scientific and technical merit
- Appropriateness to stage of research development and for achieving research career development objectives
- Where appropriate, adequacy of plans for inclusion of minorities, women and children

Mentor

- Scientific qualifications
- Track record of research productivity and research support in basic or clinical biomedical research

- Adequacy of research facilities and training opportunities
- Quality and appropriateness of environment
- Institutional commitment to research career development of applicant

Budget

- Adequacy of justification in relation to goals and research aims

DATES TO APPLY

NEW APPLICATION RECEIPT DATES	INITIAL REVIEW DATES	NCAB REVIEW DATES
February 1	March 1	September/October
June 1	July 1	January/February
October 1	November 1	May/June

APPLICATION FORMS

<http://grants.nih.gov/grants/funding/phs398/phs398.html>

PROGRAM ANNOUNCEMENT (PA-02-127)

<http://grants1.nih.gov/grants/guide/pa-files/PA-02-127.html>

FURTHER INFORMATION

Transdisciplinary Sciences

<http://cancertraining.nci.nih.gov/research/translational/translational.html>

Mentored Career Development Awards: Change in NIH Policy Concerning Concurrent Support from Career Development Award and a Research Grant

<http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-04-007.html>

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