

Research Supplements to Promote Diversity in Health-Related Research NIBIB's Additional Guidelines

Please prepare your application according to the instructions provided in the Funding Opportunity Announcement [PA-21-071](#), [SF424 \(R&R\) Application Guide](#), and [NIBIB's specific information](#).

Additionally, please make sure the **Research Strategy/Plan** required by these instructions includes the following sections (the total Research Strategy should not exceed 6 pages):

a. Candidate

Discuss candidate, providing academic background and prior research training, achievements, current status (e.g., predoctoral student, considering graduate school, seeking postdoctoral position etc.) and future career plans. For predoctoral students, please indicate years in program and whether classwork has been completed and qualifying exam passed. Indicate current source of funding.

Provide your evaluation of the candidate's research potential and ability to pursue a research career in biomedical imaging and/or bioengineering.

The candidate's biosketch should include an expanded personal statement (about 1 page) describing their background, motivation for research and their vision for their future career. (Do not forget to include a biosketch for the mentor(s) as well.)

Transcripts (up to the predoc level) and reference letters can be submitted to strengthen the application but are not required.

Please note that individuals who already receive support from an NIH research grant, an NIH National Research Service Award (NRSA), or any other DHHS funding mechanism may not be transferred to supplemental support to increase the availability of funds to the parent grant for other uses.

b. Summary of specific aims of parent grant

Provide an abstract and list the specific aims of parent grant including any modifications since the time of application.

c. Supplement research plan and relation to parent grant

Describe the research proposed to be carried out by the candidate and list the new specific aim(s). Describe how the proposed research plan relates to the parent grant. Please note that while supplements must support work within the scope of the original project, the goals and activities proposed must be distinct from and cannot duplicate the specific aims of the parent grant.

Discuss how this research will enhance the research potential, knowledge, and/or skills of the candidate and how these relate to his/her career goals. Please note that duration recommended for a supplement is one to two years in order to ensure an optimal career development experience for the candidate. The supplement research must be conducted during the originally approved award period and thus not during a no-cost extension. Please provide a timeline for accomplishing major milestones.

e. Career development plan

Provide a career development plan, including a description of how the supplement will expand and foster the scientific knowledge, and research capabilities of the candidate in order to help them

transition to the next stage of their research career. The plan should go well beyond simple laboratory assignments or stating that the candidate will attend seminars or lab meetings. The career development plan should be structured, specific and stage-appropriate for the candidate and include parameters such as skills to be learned, the frequency of meetings, topics to be discussed, any formal coursework, communication and how progress will be monitored. Please provide a timeline for accomplishing specific milestones and other activities that will be undertaken to secure independent research funding (i.e., anticipated publications, grantsmanship workshops, timeframe for grant submissions and type of independent research support the candidate seeks).

f. Mentoring plan

Provide a description including:

- 1) information on the research qualifications and previous mentoring experience of the mentor(s), especially in mentoring individuals from underrepresented backgrounds (with examples or a list of former mentees and their current positions and accomplishments);
- 2) a description of the nature of the supervision and mentoring that will occur during the proposed award period, including how the candidate's scientific and professional development will be promoted by the mentor(s); and
- 3) a plan for transitioning the candidate from the supplement award to independence.

If more than one mentor is proposed, the respective areas of expertise and responsibility of each should be described. A description of how co-mentors will coordinate with the primary mentor and the candidate should be provided.

g. Promoting diversity

Discuss how this appointment will promote diversity within the institution or in science nationally. Describe any activities the candidate is involved in to enhance diversity at your institution or outside. Provide information about the representation of individuals from diversity backgrounds at your institution.

Please keep in mind the main review criteria in the PA when preparing your application:

- The qualifications of the candidate including career goals, prior research training, research potential, and any relevant experience.
- Evidence of educational achievement and interest in science (if the candidate is a student).
- The strength of the description of how this appointment will promote diversity in biomedical, behavioral, or clinical research nationally, in accordance with the guidelines provided in *Section I, Enhancing Diversity*.
- The plan and timeline for the proposed research and career development experiences in the supplemental request and their relationship to the parent grant.
- Evidence that the proposed experience will expand and foster the research capabilities, knowledge, and/or skills of the candidate.
- Evidence that the activities of the candidate will be an integral part of the project.
- Evidence of adequate mentoring experience and success.
- Evidence that the candidate will receive research career mentoring.