Application for a TRANSFORM K12 Mentored Career Development Award

PHASE II

Selected candidates must submit the Phase II Application must by 8AM on JANUARY 7, 2013. Your research proposal should be emailed to David Zhai (dz2214@mail.cumc.columbia.edu).

GUIDELINES FOR THE RESEARCH PROPOSAL

Applicants selected in Phase I will be invited to submit a research proposal in Phase II. The research proposal should be organized as follows, with sections A and B totaling no more than 5 pages:

A. Specific Aims (1 page)
   “State concisely the goals of the proposed research and summarize the expected outcome(s), including the impact that the results of the proposed research will exert on the research field(s) involved.” [From PHS SF424 application guide, revised March 2011; the file can be downloaded from: http://grants.nih.gov/grants/funding/424/index.htm]

B. Research Strategy (4 pages)
   i. Significance. “Explain the importance of the problem or critical barrier to progress in the field that the proposed project addresses. Explain how the proposed project will improve scientific knowledge, technical capability, and/or clinical practice in one or more broad fields.” [Ibid.]
   ii. Innovation. “Explain how the application challenges and seeks to shift current research or clinical practice paradigms. Describe any novel theoretical concepts, approaches, or methodologies, instrumentation or interventions to be developed, and any advantage over existing methods, instrumentation, or interventions.” [Ibid.]
   iii. Approach. “Describe the overall strategy, methodology, and analyses to be used to accomplish the specific aims of the project. Include how data will be collected, analyzed, and interpreted. Discuss potential problems, alternative strategies, and benchmarks for success anticipated to achieve the aims.” [Ibid.]

C. Human Subjects Section (no page limit)
   “For all research involving human subjects, a part of the peer review process will include careful consideration of protections from research risks, as well as the appropriate inclusion of women, minorities, and children.”

D. References (not to exceed 40 citations)
   Provide a complete listing of citations, including all authors, article titles, and complete journal references.

*All funded research must obtain IRB approval prior to the start of the proposed project.