Advice for Early Stage Investigators

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Advice for Early Stage Investigators

- Know the purpose the program you will apply for, and the review criteria; make sure the application addresses them completely
- Tell Reviewers what they need to know to favorably evaluate your application
- Use the data to better understand your choices and chances
- Avoid the R21 Activity Code while still an Early Stage Investigator
- Build Networks

Know the purpose of the program and its review criteria

Funding Opportunity Title

Mentored Patient-Oriented Research Career Development Award
(Parent K23)

"The purpose of the NIH Mentored Patient-Oriented Research Career Development Award (K23) is to support the career development of individuals with a clinical doctoral degree who have made a commitment to focus their research endeavors on patient-oriented research."

Funding Opportunity Title

NIH Research Project Grant (Parent R01)

"The NIH Research Project Grant supports a discrete, specified, circumscribed project in areas representing the specific interests and competencies of the investigator(s)."

Review Criteria - K23

- Candidate
- Career Development Plan/Career Goals and Objectives
- Research Plan
- Mentor(s), Co-Mentor(s), Consultant(s), Collaborator(s)
- Environment & Institutional Commitment to the Candidate

- ✓ State Long-term and Immediate Career Objectives
- ✓ Explain how Career Development Plan, Research Plan, Mentors and Institution will help fulfill career objectives
- ✓ Letters of support must express commitment to fulfilling candidate's career objectives

Review Criteria – R01

- Significance
- Investigator(s)
- Innovation
- Approach
- Environment
 - √ Focus of review criteria is the research project
 - Approach, Significance, Innovation
 - These three criteria are weighted most heavily
 - **✓** Other criteria assess how the research objectives are advanced.
 - Investigator(s), Environment

Tell Reviewers what they need to know to favorably evaluate your application

- Explain in the application:
 - How the project is significant and innovative
 - How the project fulfills the objectives of the program
- If there are controversies or conflicting literature in the field, it must be discussed in the application (scientific premise) explain how your research will inform the discussion.
- Don't ignore limitations in the application in hopes that reviewers don't notice them.
 - It is better to make the argument for your chosen solution
 - Assures reviewers you have thought of (most) everything

Use the data to better understand the scientific landscape around your application

- Look for funded grants similar to your own
- "Futurecasting"
- Talk to other successful applicants about their experiences and strategies

Finding Funded Grants...



Matchmaker Results

Matchmaker New Query

Export All Projects ▼ 60



Avoid applying for the R21 Activity Code

- Why? Reviewers look for fit with purpose, e.g. the "high risk high reward" aspects of the application
- Look for the stated purpose from the parent announcement:

https://grants.nih.gov/grants/guide/pa-files/PA-16-161.html

"...These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research."

- Reviewers look for evidence that approach is "feasible"; risk is "manageable" in the hands of this investigator
 - Read: Preliminary data not required but established investigators often provide it
 - Limited funds and time make challenges for inexperienced managers, reviewers know this
 - No benefit for Early Stage Investigators applying for the R21, so enlist established investigator to collaborate as a MPI
- If the R01 is not a choice
 - tell reviewers how your application fits the stated purpose; how you plan to manage risk
 - look for an RFA or PAR to avoid applying for the parent announcement.
 - Reviewers will focus on RFA's scientific concepts instead of lingering on high risk high reward
 - If you can find an R21/R33, that's almost better than an R01
- Overall award rates for R21s at NIA (FY19): 209/1,061 = 20%; ESIs: 42/200 = 21%
 - Compare to R01: 391/2,081 = 19%; ESIs: 98/349 = 28%

Part 1. Overview Information

Participating Organization(s)	National Institutes of Health (NIH)
Components of Participating Organizations	National Institute on Aging (NIA)
Funding Opportunity Title	Grants for Early Medical/Surgical Specialists' Transiti to Aging Research (GEMSSTAR) (R03 Cline) Trial Opti
Activity Code	R03 Small Grant Prog
Announcement Type	Reissue of RFA-AG-19-0
Related Notices Funding Opportunity Announcement (FOA) Number	Targeted to Clinicians; Receipt Date: Yearly in October Award rate in FY19: 53% !!!
Key Dates	
Posted Date	
Open Date (Earliest Submission Date)	September 02, 2019
Letter of Intent Due Date(s)	September 2, 2019
Application Due Date(s)	October 2, 2019, by 5:00 PM local time of applicant organization. All applications allowed for this funding opportunity announcement are due on these dates. No late applications will be accepted for this funding opportunity announcement.

Build your Networks !!!

- Don't try to be too self-reliant
 - Many will want to help you, so if the first person does not respond, keep asking until you find your partners
- NIA Program Staff get *much* email, are often on travel, reading email on tiny screens. You may have to send a reminder email to get a response.
 - We do want to speak to you, it's the fun part

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