

 **NIAMS**
National Institute of Arthritis and
Musculoskeletal and Skin Diseases

NIH Inside Out

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27 Institutes and Centers (IC) of the NIH



NIH Bethesda
Campus: 75 bldg
on 322 acres

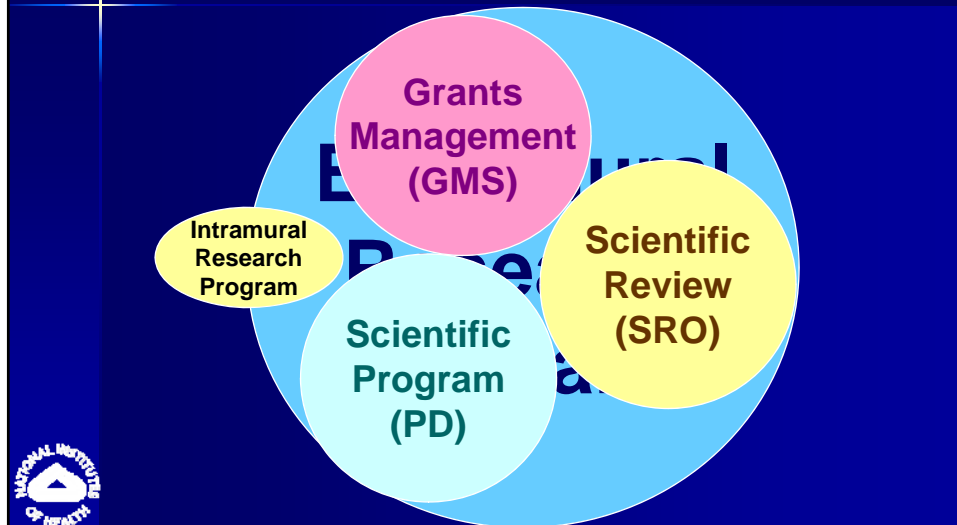
- National Institute of Arthritis and Musculoskeletal and Skin Diseases
- National Institute on Aging
- National Institute of Allergy and Infectious Diseases
- National Institute of Child Health and Human Development
- National Institute of Neurological Disorders and Stroke
- National Eye Institute
- National Institute of Dental and Craniofacial Research
- National Institute on Deafness and Other Communication Disorders
- National Institute on Alcohol Abuse and Alcoholism
- National Institute on Drug Abuse
- National Center for Complementary and Alternative Medicine
- National Center for Minority Health and Health Disparities
- Center for Information Technology
- National Center for Research Resources
- John E. Fogarty International Center
- National Center for Information Technology
- National Institute of Diabetes and Digestive and Kidney Diseases
- National Heart, Lung, and Blood Institute
- National Cancer Institute
- National Library of Medicine
- National Human Genome Research Institute
- Center for Scientific Review
- Clinical Center
- National Institute of Biomedical Imaging and Bioengineering
- National Institute of Nursing Research
- National Institute of Environmental Health Sciences
- National Institute of General Medical Sciences
- National Institute of Mental Health
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- National Institute of Environmental Health Sciences
- National Institute of General Medical Sciences
- National Institute of Mental Health



A Simple-View of the NIH for Applicants



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The Roles of NIH Grants Management Specialists (GMS)

- Provide advice to PI's and grantee business officials on NIH grant policies, budgets, and all business – related aspects of grants
- Monitor the business management practices of grantee organization to assure awarded funds are spent properly
- Assure grantees fulfill requirements regarding laws, regulations and administrative grant policies
- Monitor the objectivity of NIH grants processes to assure fairness for all grantees



The Roles of NIH Scientific Review Officers (SRO)

- Designated Federal Official responsible for implementing review policies and procedures and a fair, unbiased and competent review
- Primary NIH contact with PIs during review phase
- Manager of all aspects of the review process:
 - Conduct administrative review and select review date
 - Identify reviewers with appropriate expertise and make appropriate reviewer assignments
 - Determine the deadline for receipt of supplemental materials
 - Ensure the fairness and consistency at the review meeting
 - Prepare and release summary statements in a timely fashion
 - Provide requested information about review to program staff and National Advisory Councils

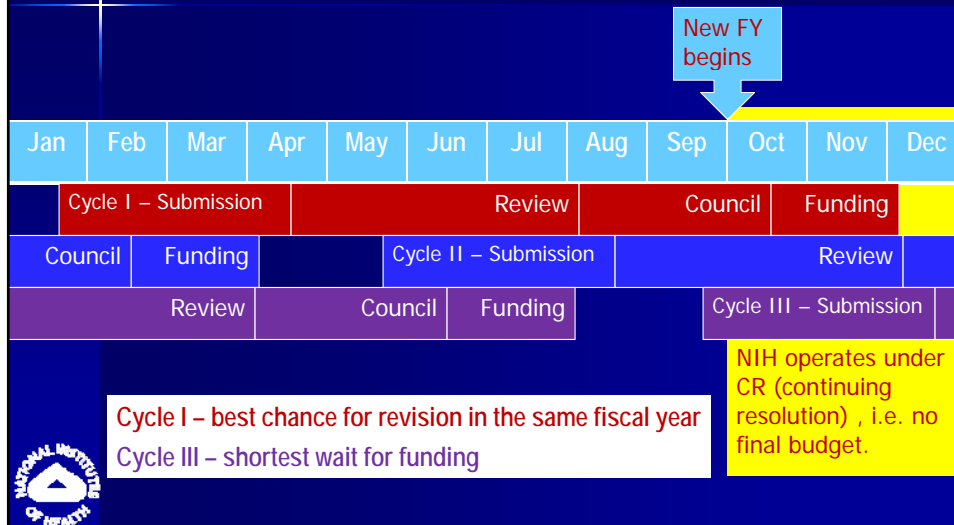


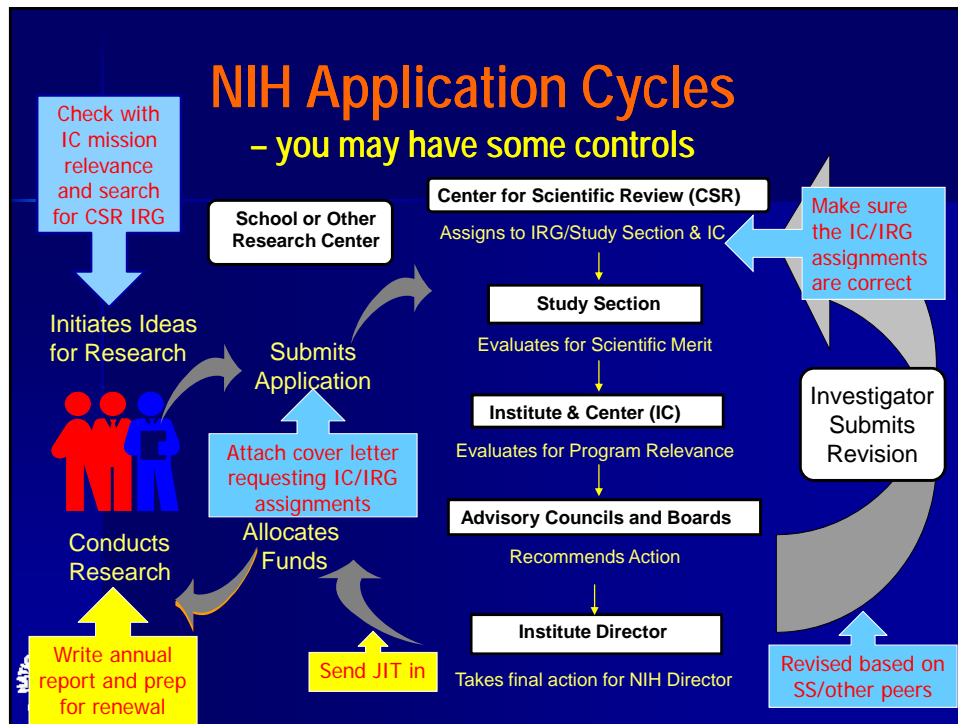
The Roles of NIH Program Directors

- ❑ **Public Face of the Government**
Pre-application and post-review scientific contact (mechanism/SS/concerns); mediate interactions of government with PIs/Inst/Public
- ❑ **Responsible Steward of Public Funds**
Monitor award and progress; ensure proper use of public fund
- ❑ **Scientist/Scholar in Residence**
Follow biomedical development and report scientific advances; advise senior management and ensure scientific accuracy of IC public statement
- ❑ **Scientific Portfolio Builder**
Help to set/implement IC priorities; design/execute specific initiatives; make funding recommendations; and rationalize investments
- ❑ **Advocate for Science and Medicine in Areas of Expertise**
Represent PIs/Inst/Public and facilitate communications
- ❑ **Internal Policy Maker/Manager**
Advise IC/NIH senior management on specific policies and procedures and serve on trans-NIH or-agency committees/working groups



NIH Application Cycles – Timing





For New PIs

- **K series if you need mentor**
 - K99/R00 is not designed to bypass citizenship/residency requirement
- **R03 and your start-up funds for preliminary data**
- **R01 – don't try to conquer the world**
- **Definitely NOT R21 simply for generating preliminary data**



Ways to Win NIH Grant Awards

- Know your destination (envision the end point application)
- Use the correct vehicle (align the research with the needs and resources of the target funding organization)
- Map the route (define the R&D in technical details)
- Be realistic in goals, time and budget
- Deal with detours (build in contingencies)
- Heed the road signs (know the difference between regulations and guidelines)
- Follow directions
- Good Grantsmanship always goes a long way!



Most Important Things

- Keep your eye on the science
- Don't have tunnel vision
- Don't be wedded to techniques
- Surround yourself with successful and enthusiastic scientists
- Early in your career and even later if your environment is not challenging and developing you – MOVE!
- Your science education is a national treasure – if you don't become an R01 recipient use it to do something you love



Notice on NIAMS R21s

- In making funding decisions on R21 applications, NIAMS will place a higher priority on:
 - Innovative, ground-breaking projects with potential for significant impact;
 - Projects that involve novel technology or tool development, and have the potential to significantly accelerate research fields;
 - Projects that propose the novel application of methods, technologies, or conceptual approaches from outside biomedical science to a research problem in the NIAMS mission area.

<http://grants.nih.gov/grants/guide/notice-files/NOT-AR-10-023.html>
- Projects that will be considered a lower priority include:
 - Projects specifically to develop preliminary data for longer-term projects in a well established research area;
 - New investigator starter grants;
 - Pilot projects that do not exhibit a high degree of innovation.



Thank you and ?

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