



# Extramural Program and Funding Opportunities

---

Pedro J. del Nido, M.D.

# Extramural Program Responsibilities



---

- **Scientific Program Management and Administration**
  - Manage grant portfolio
  - Monitor scientific progress
  - Analyze and evaluate grant and contract programs
- **Program Leadership and Development**
  - New Initiatives
- **Advice and Guidance to Prospective Applicants**
  - Respond to public, patients, and Congress
  - Respond to scientific/professional communities



# What kind of research is supported

---

- Basic Studies
- Clinical Investigations
- Population-based studies
- Clinical Trials
- Demonstration and Education Projects



# What kinds of grants are there?

---

- Many kinds, and they vary by Institute
- Website: <http://grants.nih.gov>
- Major grant types
  - Research
    - Single project
    - Multi-project
  - Small Business
  - Training and Career Development
  - Conference



# Research

---

- R01: the basic research grant
  - Single project
  - New and established investigators
  - Majority of NIH grantees
- R21: Exploratory/Developmental Research Grant
  - Early and conceptual stages of development
- P01: program project grant
  - Multi-project
  - Seasoned investigators



# Which one is for me?

---

- Small business
  - Small Business Innovative Research (SBIR)
    - Innovative research conducted by small businesses
    - Phase I: 6 months, \$100,000
    - Phase II: 2 years, \$750,000
  - Small Business Technology Transfer Program (STTR)
    - Innovative research conducted by small business/academic partnership
    - Phase I: 1 year, \$100,000
    - Phase II: 2 years, \$500,000



# Which one is for me?

---

- Training and Career Development
  - High School through Senior Scientist
  - Programs for minorities and researchers with disabilities
  - Basic science and clinical research



# Which one is for me?

---

- Career Development Awards (K's)
  - **K08: Mentored Clinical Scientist**
    - Health Professional Doctoral Degree
    - Not necessarily clinical research
  - **K23: Mentored Patient-Oriented Research**
    - Analogous to K08
    - Develop skills for patient-oriented research
  - **K24: Mid-career Investigator Award in Patient-Oriented Research**
  - **K99: Pathway to independence (R00)**
    - Transitions to R01 in latter years



# Aren't there some grants solicited by NIH?

---

- Program Announcements
  - Invites grant applications in a specific research area
  - New or expanded interest in an area, or a reminder of an ongoing interest
  - Usually has no \$\$ set aside
  - Reviewers note that a grant is responsive to a particular PA



# Aren't there some grants solicited by NIH?

---

- Request for Applications (RFA)
  - Announcement describing an institute initiative in a well-defined scientific area
  - Invitation to the field to submit research grant applications for a one-time competition
  - Set-aside of funds for a certain number of awards
  - Applications generally reviewed within the issuing institute



# Aren't there some grants solicited by NIH?

---

- Contracts
  - Request for Proposals (RFP)
  - Broad Agency Announcement (BAA)
  - Used when a specific “deliverable” is sought
    - Artificial heart
    - Pediatric ventricular assist
  - Highly structured application and negotiation process



# Whom do I talk to?

---

- Your mentors and other investigators
- Your business office
- Program staff at NIH
  - Each Institute has a web site with key personnel listed
  - Staff are happy to discuss grant procedures – we're here to help!
- The NIH Guide to Grants and Contracts
  - [www.grants.nih.gov/grants/guide](http://www.grants.nih.gov/grants/guide)
  - Lists special programs for which grants are being sought



# How do I apply?

---

- Electronic forms are on the web site
- Each grant mechanism has a different submission deadline
- R01s are submitted February 1, June 1, and October 1 of each year
- A Short Guide to Grant Preparation  
<http://deainfo.nci.nih.gov/EXTRA/EXTD/OCS/gntapp.htm>