

# GRANT WRITING AND DEVELOPMENT

## GETTING STARTED

### FUNDAMENTALS OF THE NIH GRANT PROCESS AND NEED TO KNOW RESOURCES

[Video \(34:07\)](#) | [PowerPoint](#)

In this session, we'll review the benefits of networking for career. Every successful journey starts with a good foundation. If you are new to working with NIH, this video will answer key questions. Where do I start? Where's the funding? Where do I turn when I need help or advice? What opportunities are available and how can I find them? What's the application process and how long does it take? We will walk you through the grants process and give you an overview of key resources and websites you will need to be successful.

The following timestamps will help you key in on specific aspects of this video:

- Where do I start? – [1:23](#)
- Where's the funding? – [1:59](#)
- Finding a target IC using RePORTER – [3:21](#)
- Where do I turn when I need help or advice? – [4:54](#)
- A Program Official (PO), Scientific Review Officer (SRO), and Grant Management Officer (GMO) share thoughts on their roles in the grant process – [5:32](#)
- What opportunities are available & how can I find them? – [10:10](#)
- What's the application process & how long does it take? – [17:23](#)
- Summary of questions and answers covered – [30:56](#)

Recorded in October 2020 as part of the NIH Virtual Seminar on Program Funding and Grants Administration

## USING REPORT TO UNDERSTAND WHO AND WHAT NIH FUNDS

[Video \(43:18\)](#) | [PowerPoint](#)

NIH makes an abundance of grant and funding data – including analyses of who and what we fund available to the public through a resource called RePORT. Learn how to use this resource to find information to help target your application, find key contacts at NIH and in the grantee community, and more.

Access [NIH RePORT](#) to explore the RePORTER, Matchmaker, and the NIH Data Book.

Be sure to review our [funding page](#) to identify opportunities for your research program.

## UNDERSTANDING EARLY STAGE INVESTIGATOR STATUS

### EARLY STAGE INVESTIGATORS

#### All About Grants Podcast Episodes

##### Part 1 (6:14): [The Policy](#)

What does Early Stage Investigator (ESI) mean? How do I determine whether I am considered an ESI? Do I get special considerations? What grants qualify? Listen to get the answers and other great information.

Learn more about the ESI Status [here](#).

##### Part 2 (7:52): [Extensions](#)

What is an ESI extension? How do I get one? Listen to the podcast for answers to those questions and others.

Learn more about Early Stage Investigator Policies, including determination of investigator status, extension of ESI status, and more through [this NIH info page](#).

## DEVELOPING YOUR PROPOSAL

### GRANT WRITING FOR SUCCESS

[Video \(24:45\)](#) | [PowerPoint](#)

Are you a new or junior investigator? Do you assist in the preparation of the scientific portions of grant applications to NIH? If you answered “yes” to either question, then check out this popular presentation from NIH experts that provides insights and helpful hints on preparing an application for submission.

Learn how to avoid the most common mistakes in writing grant applications and correct some typical misconceptions about the grant review process.

### READY, SET, SUBMIT! APPLICATION PREPARATION AND SUBMISSION

[Video \(39:10\)](#) | [PowerPoint](#)

How do you get your great research idea to NIH for funding consideration? You must find an appropriate opportunity; prepare your application; submit your error-free application through Grants.gov to NIH on-time; and confirm NIH received it correctly. Learn about the NIH grant application process and the NIH resources available to complete each step.

### CONSIDERATIONS FOR DEVELOPING A RESEARCH PLAN

All About Grants Podcast episode; 8:05 minutes | [Listen here](#)

Two Program Officers discuss Research Strategy and Specific Aims focused around R01s, R21s, and R03s.

Review [successful grant proposals from CHOP investigators](#) to see how others have framed their ideas and what type of information they included in each section.

## BUDGET BUILDING BLOCKS FOR INVESTIGATORS

### GRANT WRITING FOR SUCCESS

[Video \(34:31\)](#) | [Presentation PowerPoint](#) | [Case Study PowerPoint](#)

There is much for an investigator and project administrator to consider when developing a budget for a grant application, such as what can be requested, how is the budget calculated, and is the request appropriate. NIH Program and Grants Management Officers will guide you on finding the answers to these questions by providing valuable information for preparing a proper grant budget.

Looking for more guidance in developing your budget? [NIH Guide to Developing your Budget](#) and additional [NIH Budget Guidance](#) can help support you. Contact your [Research Business Administrator](#) with specific questions.

### USING REPORT WEB TOOLS THROUGHOUT THE GRANTS PROCESS

[Video \(24:45\)](#) | [PowerPoint](#)

All About Grants Podcast episode ; 11:28 minutes | [Listen here](#)

Learn about NIH sponsored tools and how they can help you throughout the grant process.

If you are using Penn Resources or need other Penn Data for proposals, see these helpful websites:

#### [Find Penn Data for Proposals](#)

NIH frequently publishes helpful tips to consider prior to submitting your application through the Extramural Nexus. See the [Tips Before you Submit page](#) and check back frequently as new content is added periodically.

## POST-SUBMISSION

### HOW NIH PROCESSES AND ASSIGNS YOUR APPLICATION

[Video](#) (19:04)

Learn how NIH receives grant applications and refers them for review.

### LET'S LOOK AT PEER REVIEW

[Video](#) (38:06)

What happens after your application has been submitted?

How will it be evaluated?

This video follows a typical application from submission through peer review to funding consideration, with key steps and important factors to note along the way. Understanding the NIH peer review is fundamental to a successful grant application. So don't miss this opportunity to know the score on peer review!

### R01 GRANTS: NAVIGATING NIH PEER REVIEW

[Video](#) (1:01:07)

This briefing covers the key things applicants need to know about the submission and review of their R01 NIH grant applications. An R01 grant is a key mechanism by which the National Institutes funds investigator-initiated biomedical research. A Q&A session that follows the presentation will answer many common applicant questions.

### NIH MOCK STUDY SECTION

Ever Wondered What Happens During the Scientific Review of an NIH Grant Application? Understanding how peer review works is key to writing a good grant application. In this 44-minute video, NIH Peer Review: "Live" Mock Study Section, scientists have gathered virtually to review three fictional applications in response to a fictional Request For Applications (RFA).

Watch their discussion to learn how applications are scored, what questions are commonly asked, and what mistakes to avoid in your application. This video was originally recorded on October 28, 2020 during the 2020 NIH Virtual Seminar on Program Funding and Grants Administration. Find other presentations from the Seminar [here](#).

## **NOTICE OF AWARD ARRIVES... NOW WHAT?**

[Video \(34:43\)](#) | [PowerPoint](#)

What happens at your institution and at the NIH between grant award and closeout? This session will provide new research administrators a better understanding of NIH post-award activities from the perspective of NIH Senior Grants Management Specialists. The emphasis will be on business practices.

## **AFTER YOUR FIRST AWARD: NEXT STEPS IN YOUR JOURNEY WITH NIH**

[Video \(45:36\)](#) | [PowerPoint](#)

Congratulations! You just received your first independent NIH award. Nothing but success from here on, right? Maybe... Maybe not. The difference can lie in what you do (or don't do) after getting this first award. This session will illuminate possible paths to pursue – and common pitfalls to avoid – to enhance the likelihood of the long-term success of your funded Research Program.

## **PERSISTENCE IS KEY: RESOURCES FOR RESUBMISSION**

[Video \(44:46\)](#)

Unfortunately, not every application receives a great review score and persistence is the key to obtaining funding. Thankfully, the NIH allows you to address reviewer concerns and resubmit your revised application for further consideration. The panelists will walk through how to interpret reviewer comments and when to engage program staff in the post-review process. Even experienced applicants have to resubmit - learn how to use all the available tools to your advantage! Sample summary statements mentioned in session can be found here: [original](#) and [resubmission](#).