WEBINAR



Swiss National NIH Science Foundation





15:00 – 15:10 Welcome and introductions

Dr. Laure Ognois, Head of International Cooperation, SNSF

Dr. Christine F. Sizemore, Director, Division of International Relations, Fogarty International Center (FIC), NIH

15:10 – 16:10 Presentation: How to approach applying for NIH grants using public resources

Dr. Christine F. Sizemore, Director, Division of International Relations, FIC, NIH

16:10 – 16:30 Q&A session and concluding remarks

The floor is open for questions from the audience.

Applying for U.S. NIH Grants

Navigating NIH Public Resources

Webinar co-organized by Swiss National Science Foundation

Christine F. Sizemore, Ph.D.

Director, Division of International Relations



Fogarty International Center



National Institutes of Health



U.S. Department of Health and Human Services







Share strategies for navigating NIH public resources with:

- \circ Researchers
- \circ Research Administrators



This is **not** a detailed review of NIH funding opportunities.

This information does not supersede official NIH instructions.

U.S. Government Research and <u>Research Funding</u> Agency for Medical and Behavioral Science (Est. 1887)

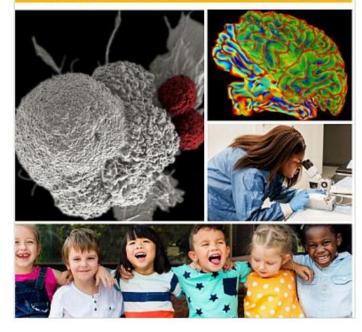
NIH conducts and supports:

- Basic research...to fuel progress
- Translational research...to move basic discoveries forward
- > Clinical research...to turn discoveries into prevention, treatments, and cures
- A creative and diverse workforce...since people are our most important resource
- Bottom-up research ideas to encourage and drive innovation





U.S DEPARTMENT OF HEALTH & HUMAN SERVICES + NATIONAL INSTITUTES OF HEALTH





27 Institutes and Centers

Each with:

- Unique mission and budget
- Most fund and conduct research

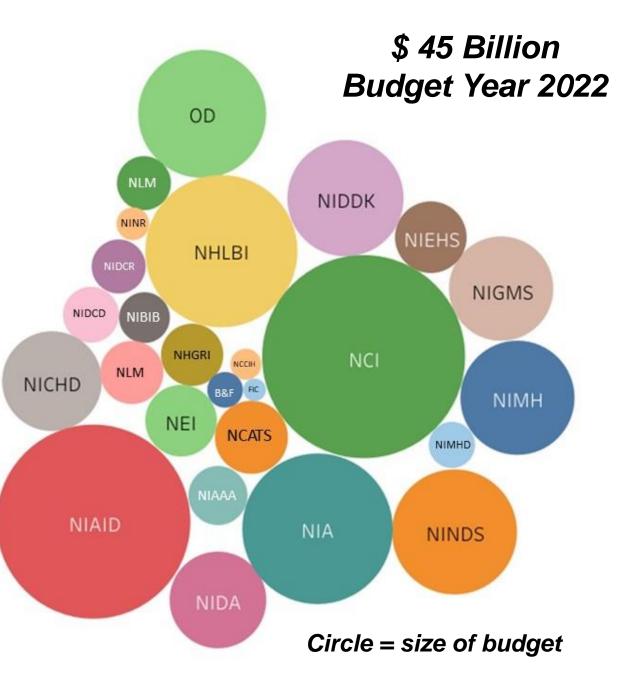
Intramural Research

➤ Conducted <u>at</u> NIH

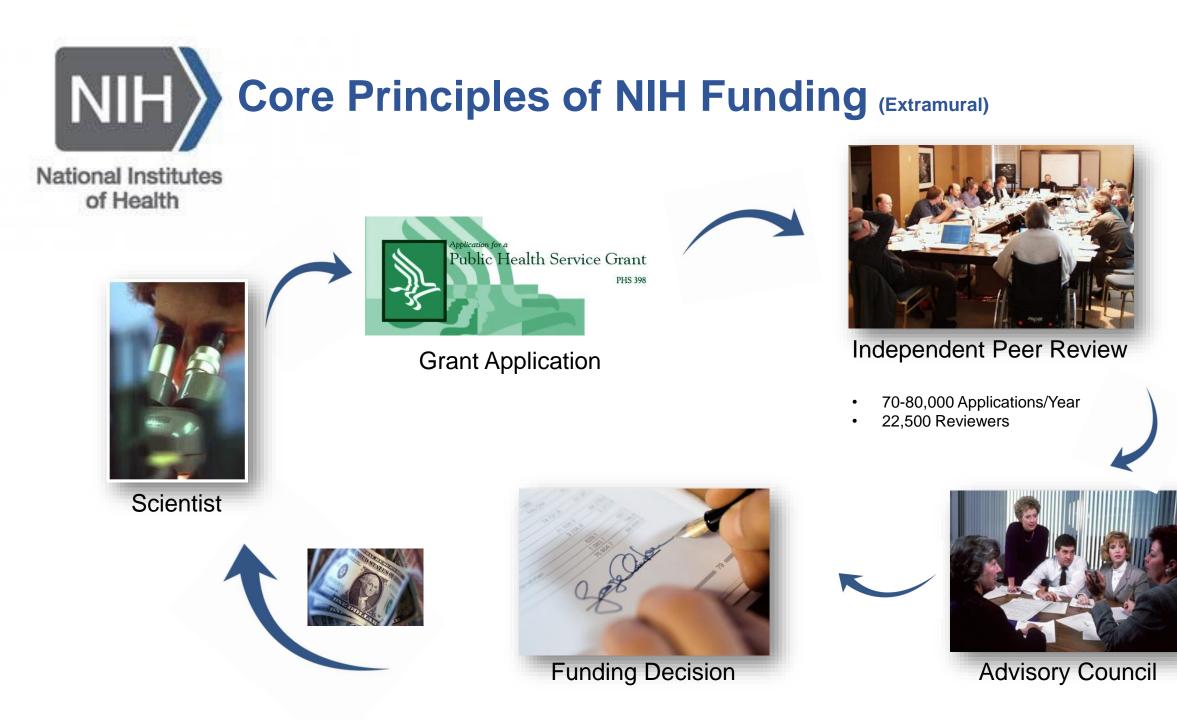
Extramural Research

- Funded by NIH
- Awarded to organizations in the U.S. and abroad

ALL funded research is peer reviewed Applications follow a rigorous process







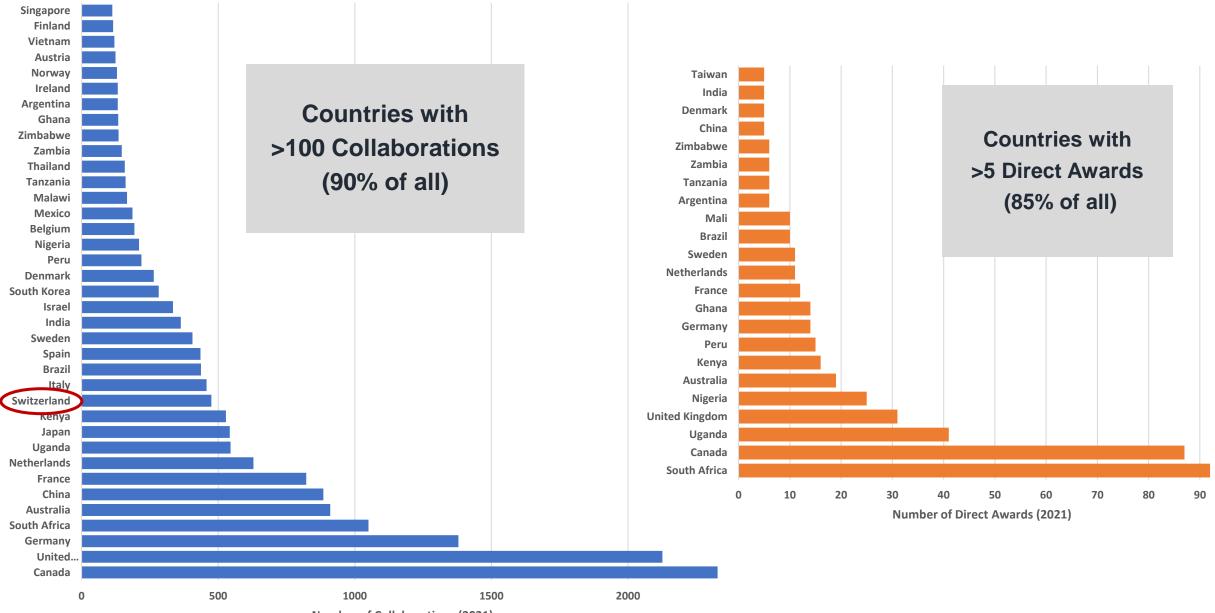


NIH Funds Research Globally

– Mostly as Collaborations on U.S. Awards

Countries with at least 100 collaborative arrangements (2021)





Number of Collaborations (2021)



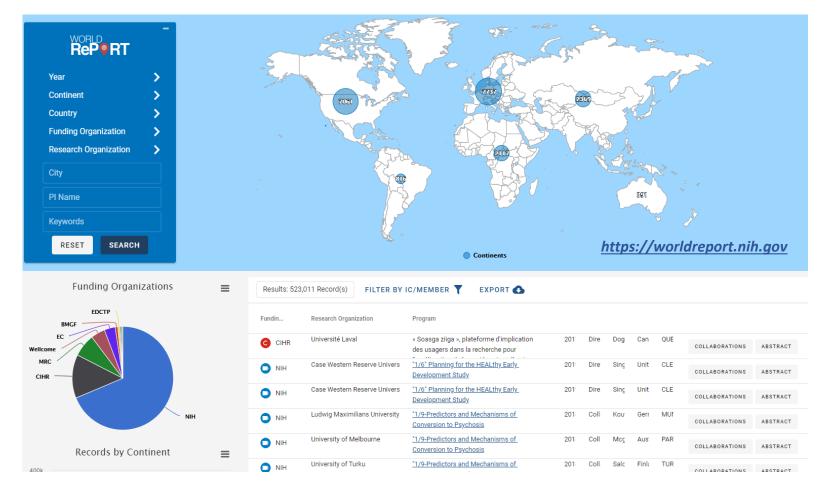
National Institutes of Health

- Direct Awards and Collaborations
- Data from 14 Funders
- 184 Countries
- Over 26,000 Research Institutions
- >700,000 Funding Records

Users can:

- See where NIH funds research
- Identify potential centers of excellence (multiple funders at the same location)
- Overview of research topics supported by NIH and other funders

World RePORT is becoming WorldView – let us know what features may be useful for you! Email: michael.cheetham@nih.gov







What Do I Need to Consider Before Applying?

Is similar research already funded in the U.S.?

- Applications from foreign institutions have extra review considerations!
- Do you offer unique resources or talent not available in the U.S.?
- Does your research also benefit the health sciences in the U.S.?

What Institute or Center funds my research?

- Not every Institute or Center participates in all grant programs
- Institutes and Centers have their own unique requirements

What Study Section usually reviews projects like mine?

• NIH reviews applications by topic and discipline

Who at NIH can help me?

- Finding the right Program Official is key
- Program Officials help you navigate the NIH process
- Helping you is part of their job!







Where Do I Start If I Want to Apply



Welcome to

 \bigcirc

RePORTER

Research Portfolio Online Reporting Tools (RePORT)

In addition to carrying out its scientific mission, the NIH exemplifies and promotes the highest level of public accountability. To that end, the Research Portfolio Online Reporting Tools provides access to reports, data, and analyses of NIH research activities, including information on NIH expenditures and the results of NIH supported research

Matchmaker



Categorical Spending

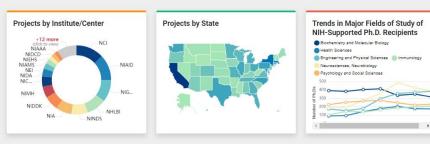
Explore NIH's comprehensive summary of ongoing COVID-19 research, including funding, clinical trials, and more.

NIH Data Book

Preview a modernized RePORTER, which offers faster searches and mobile-friendly interface.

Subscribe to the NIH RePORT ListServ to stay up to date on changes to these sites.

RePORT Statistics



Awards by Location

https://report.nih.gov/

Research News

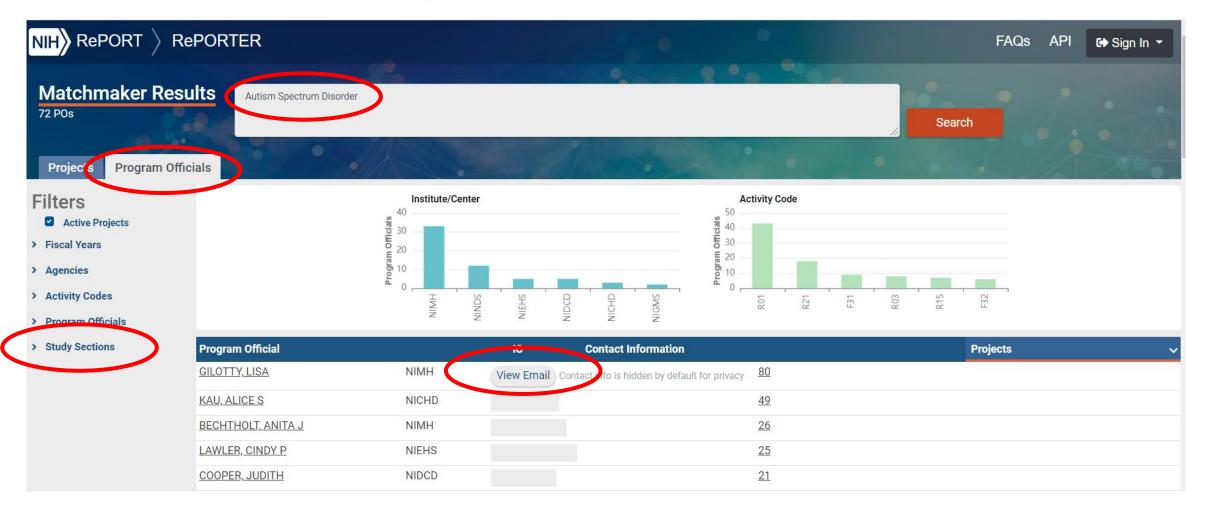
News Highlights Which Training Program Is Right for You? - Jun 2022



...Is Similar Research Already Funded in the U.S.? ...What Institute or Center Funds My Research?

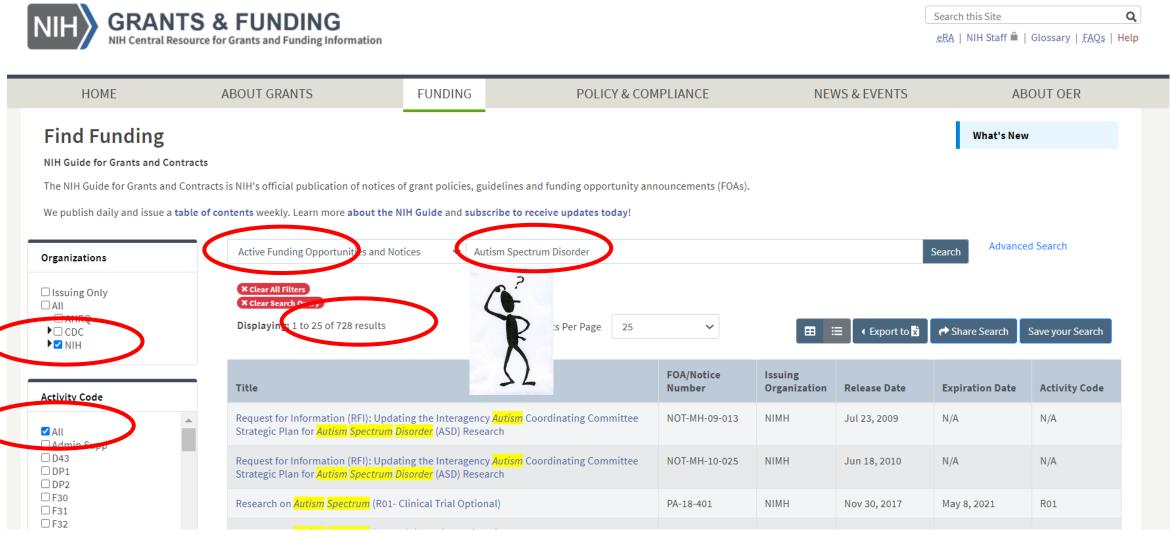


...What Study Section Usually Reviews Projects Like Mine? ...Who at NIH Can Help Me?





How Do I Apply? https://grants.nih.gov/funding/searchguide/index.html#/





What Do the Activity Codes Mean?

https://grants.nih.gov/grants/funding/funding_program.htm



Read each funding announcement carefully

The most common ones....

Activity Code

Type of Research

✓ All □ Clinical Trials □ Not Clinical Trials

R01:

- 4-5 years, maximum \$500,000 direct costs/year (some exceptions)
- Highly competitive, preliminary data needed, mature projects

R03:

- 2 years, up to \$50,000 direct costs per year
- Intended for pilot or feasibility studies, new research technologies
- Results often inform more mature applications

R21:

- 2 years, maximum \$275,000 direct costs for both years combined
- Exploratory research for early stage/conceptual programs
- Results often used as preliminary data for R01 applications

Note:

- All NIH grants are issued a Notice of Award that specifies the duration of the project period.
- All NIH grants are administratively reviewed each year annual progress report required
- Both awards to foreign organizations and foreign collaborations are limited to 8% overhead costs



Do I Choose a "Parent Announcement" or a Solicitation?

Type of Funding Opportunities

□ All Funding Opportunities
Notice of Special Interest
🗹 PA
PAR
PAS
🗹 RFA
Parent Announcements

Parent Funding Programs

- Ongoing opportunities to present your best idea to NIH
- Funding cut-off depends on available budget (pay lines)
- Are reviewed in categorical Study Sections (Peer Review Panels)
- Compete with applications in the same scientific field

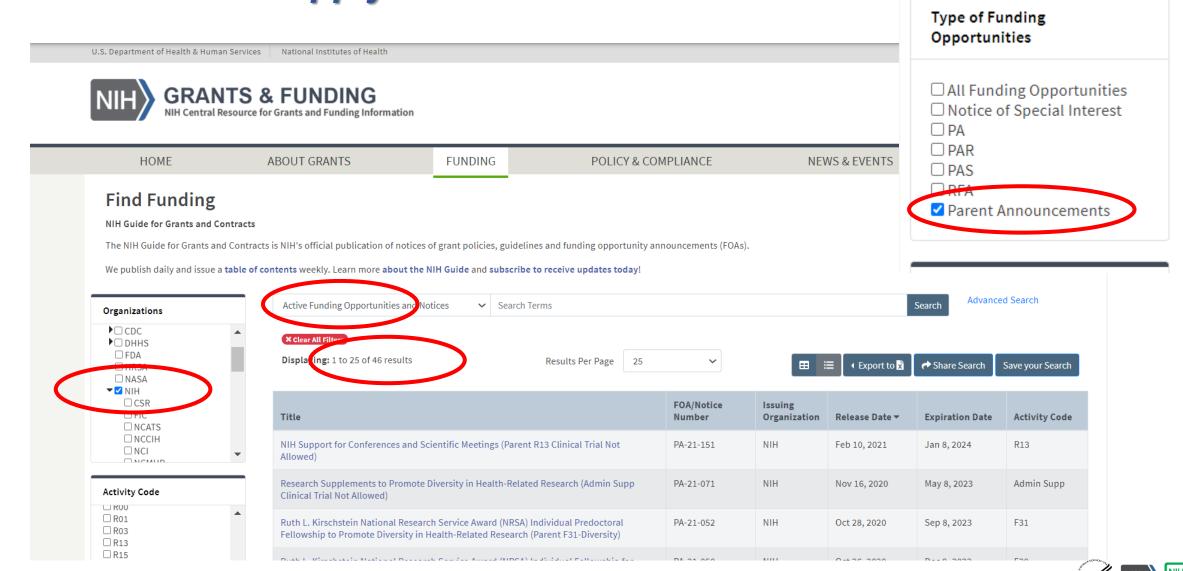
Solicited Application Programs

- Focused on specific topics
- Often have set-aside funds
- Limited number of Institutes/Centers participate
- Are frequently reviewed in special Study Sections
 Compete with similar, targeted applications
- Most NIH grants come in through this process
- You <u>do NOT need</u> a specific call in the area of your research interest to apply

All peer reviewed applications receive a written critique Not all applications are discussed in Study Sections Only discussed applications get a score – can be considered for funding

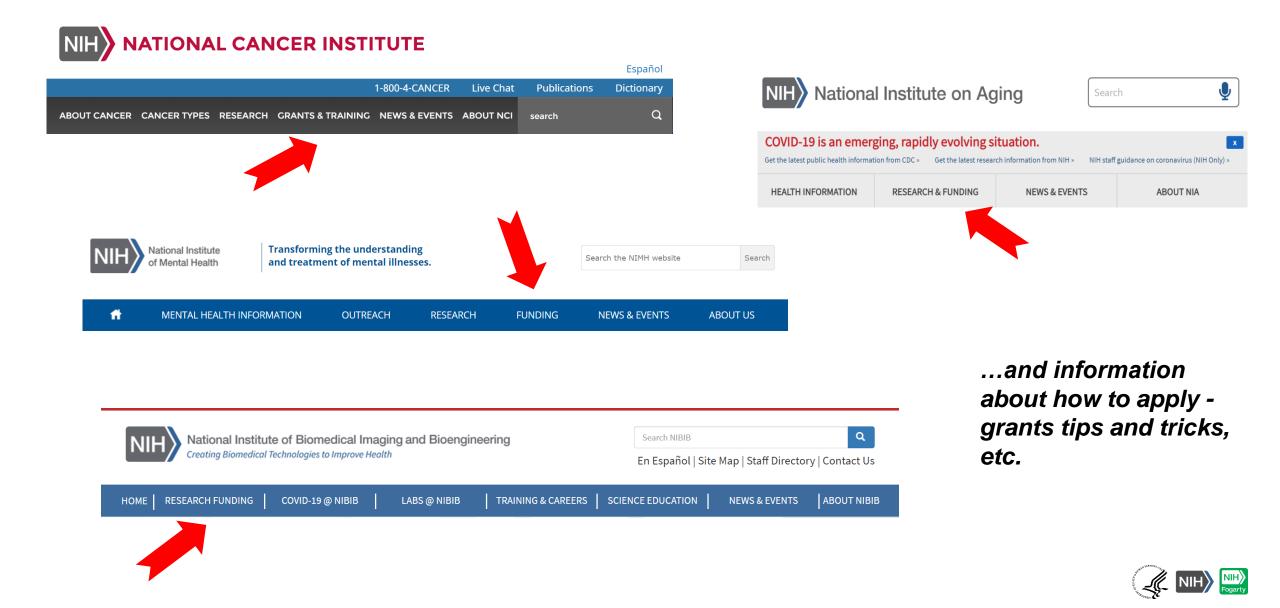


There is No Funding Call for My Research...!You Can Still Apply!





Institutes and Centers also List Their Funding Announcements



Funding Announcements Include Important Information

Components of Participating Organizations	National Heart, Lung, and Blood Institute (NHLBI) National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)			
Key Dates				
Posted Date	January 06, 2021 Standard submission dates for Parent Announcements.			
Open Date (Earliest Submission Date)	February 15, 2021			
Letter of Intent Due Date(s)	30 days prior to the application due date			
Expiration Date	October 16, 2021			
Clinical Trial?	Optional: Accepting applications that either propose or do not propose clinical trial(s).			
	Need help determining whether you are doing a clinical trial?			
Funds Available and Anticipated Number of Awards Maximum 8% Indirect Costs	award.			
Award Budget	Application budgets need to reflect the actual needs of the proposed project and may not exceed \$500,000 in direct costs in any one year.			

Funding Announcements Include Important Information cont.

Section III. Eligibility Information

Foreign Institutions

Non-domestic (non-U.S.) Entities (Foreign Institutions) are eligible to apply.

Non-domestic (non-U.S.) components of U.S. Organizations are eligible to apply.

Foreign components, as defined in the NIH Grants Policy Statement, are allowed.

Applications directly from foreign organizations are accepted.



U.S. applications can include foreign collaborators.





Funding Announcements Include Important Information cont.



Section V. Application Review Information

Scored Review Criteria

Reviewers will consider each of the review criteria below in the determination of scientific merit, and give a separate score for each. An application does not need to be strong in all categories to be judged likely to have major scientific impact. For example, a project that by its nature is not innovative may be essential to advance a field.

Additional Review Considerations

As applicable for the project proposed, reviewers will consider each of the following items, but will not give scores for these items, and should not consider them in providing an overall impact score.

Applications from Foreign Organizations

Reviewers will assess whether the project presents special opportunities for furthering research programs through the use of unusual talent, resources, populations, or environmental conditions that exist in other countries and either are not readily available in the United States or augment existing U.S. resources.



What Do NIH Peer Reviewers Look For in an Application

Things to consider:

- Write for the peer review panel they are the ones rating your application
- Assume that the reviewers are NOT experts in your field
 - \checkmark Stay within page limits and make the application easy to read
 - $\checkmark\,$ Do not try to impress with dense, highly technical applications
 - \checkmark Explain why your research matters your introduction sets the tone
 - ✓ Explain your hypotheses
 - ✓ You will need to present preliminary data and a solid research plan!
- Provide alternatives to your research plan give the reviewers confidence that something useful will come from your research – no matter what!

Examples of well written grant applications:

www.niaid.nih.gov/grants-contracts/sample-applications





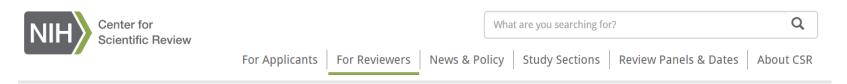
Can You Serve as a Peer Reviewer?

Advantage:

- Learn first-hand how NIH peer review is done
- Learn what level detail is needed for a successful application
- Appreciate the importance of grantsmanship for NIH applications

Opportunity: https://

https://public.csr.nih.gov/ForReviewers/BecomeAReviewer/ECR



Home > For Reviewers > Become a Reviewer

Early Career Reviewer (ECR) Program

The program aims to help early career scientists become more competitive as grant applicants through first-hand experience with peer review and to enrich and diversify CSR's pool of trained reviewers.

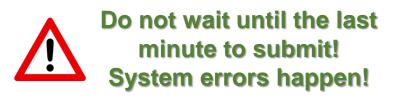




Also – Contact your NIH Program Official and let them know you are interested in serving



How Do I Submit My Application?



Search this Site

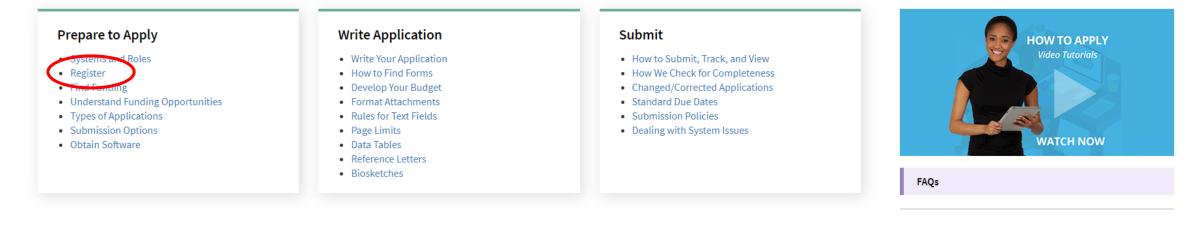
eRA | NIH Staff 🔒 | Glossary | <u>FAQs</u> | Help

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HOME	ABOUT GRANTS	FUNDING	POLICY & COMPLIANCE	NEWS & EVENTS	ABOUT OER	
Home » About Grants » How to Apply - Applicatio	on Guide					

How to Apply - Application Guide

Use the application instructions found on this page along with the guidance in the funding opportunity announcement to submit grant applications to NIH, the Centers for Disease Control and Prevention, the Food and Drug Administration, and the Agency for Healthcare Research and Quality.



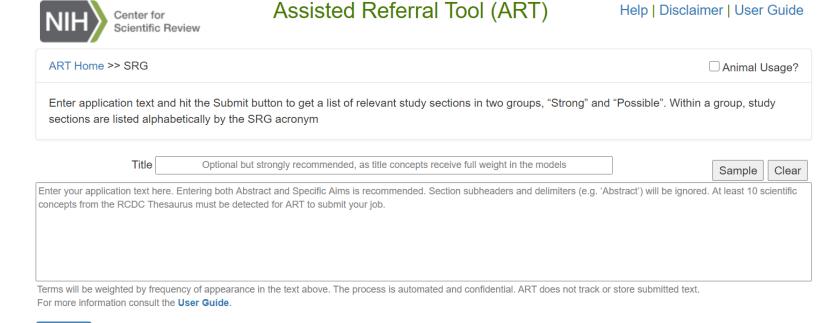


What Else to Consider When Submitting Your Application?



NIH Center for Scientific Review Assisted Referral Tool (ART)

https://public.csr.nih.gov/ForApplicants





Submit an "Assignment Request Form"

- Suggest a Study Section expertise to review your science
- Suggest an Institute/Center fits with mission (have a home!)
- Who should NOT review your application (conflicts!)
- DO NOT propose reviewers!
- Exception solicited grants programs (e.g., RFA) are reviewed in ad hoc Study Sections

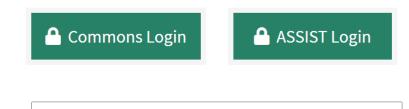




After Submitting – Track What Happens With Your Application



electronic Research Administration Office of Extramural Research



Search this Site

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FAQS | Subscribe | Glossary 🖄 💼 eRA Intranet | Need Help?

This is where you/your organization registered before submitting



https://era.nih.gov/applicants

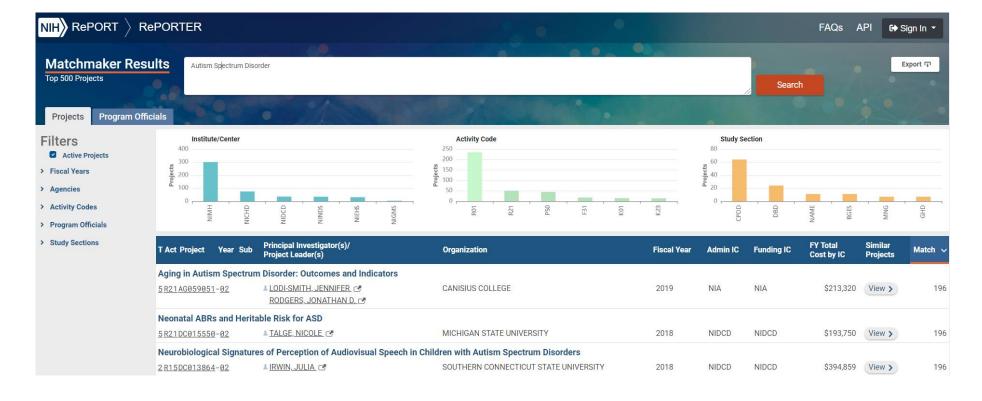
Not Ready to Submit Your Own Application?

... You Can Collaborate With a U.S. Researcher on Their Application

Advantage:

- Get exposed to the NIH grants process
- Learn how to write applications for the NIH review system
- Understand administrative requirements (there are quite a few)...
- Explore participating on a Multiple PI application equal credit and responsibility





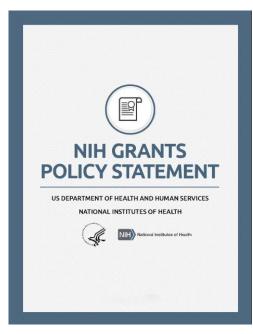


What Else Should You be Aware of?

.... Applies to Direct Awards and Collaborations!

Research grants are to ORGANIZATIONS, not individuals – do you have organizational support?

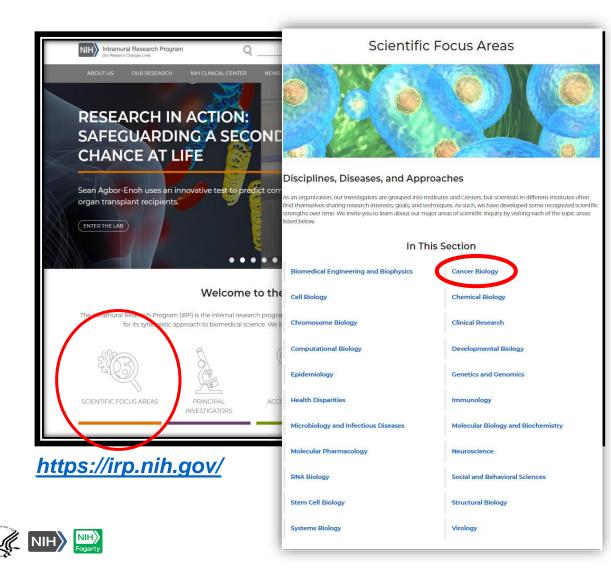
- Accepting the grant means you agree to all grant terms, including:
 - Disclosure of ALL other funding
 - Research findings will be made public (after you file patents, if applicable)
 - Free and open sharing of research samples
 - Financial auditing, if deemed appropriate
 - Annual reporting of progress
- Funding is in U.S. Dollars currency fluctuations may impact funds

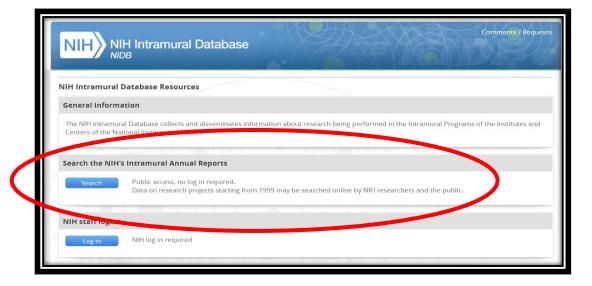






Interested in Collaborating with NIH Intramural Researchers?

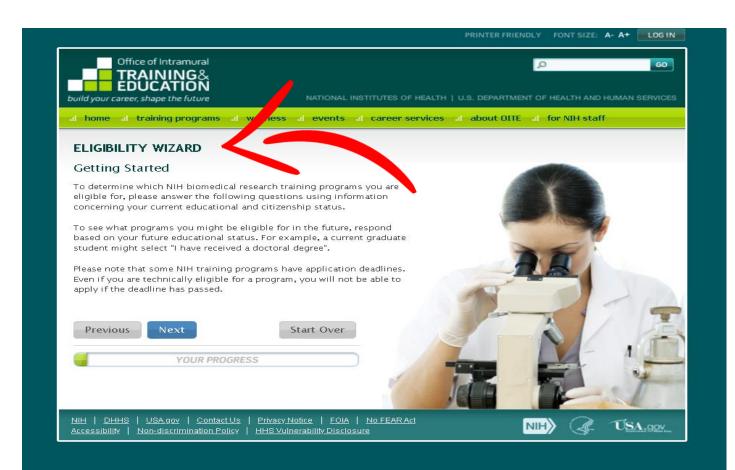




https://intramural.nih.gov/index.taf

NIH does <u>not</u> provide funding for this!

Interested in Training in NIH Intramural Labs? https://www.training.nih.gov/



https://www.training.nih.gov/eligibility_wizard





Not all training opportunities are open to non-U.S. researchers!







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6 UNIVERSITÄT BERN



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Leah Witton, Grants Advisor, University of Berne
Dr. Friederike Bernsdorff, Grants Advisor, University of Berne
Prof. Alexander Eggel, Past NIH grant holder (subaward), Inselspital, Bern University Hospital
Dr. Per von Groote, Project Manager on current NIH grant (main award), University of Berne

Dr. Georges Klein, Scientific Officer, SNSF **Flurina Kuhn**, Scientific Officer, SNSF