

California State University, Northridge

Introductory Module

SHORT VERSION

What Can I Fund?

Developmental (new investigator or new area)

Research

Community outreach/centers -- service

Program development or change

Training (BUILD, CIRM, others) – workforce diversity

Construction or equipment – enable development of buildings, renovation, etc.

Conferences or meetings

Centers

Research



Where Can I Find Funding?



Public

NIH, NSF, DOE, DOJ, state, local

Usually more \$

More space to write about project

Can be basic or applied projects

Greater freedom

Greater indirect costs (~45% for federal)

Annual progress report

Private

CA Wellness, CA Endowment, RWJF

Usually more tied to applied research or projects

Concise, related to mission

Sometimes directive

Smaller or no indirect costs (often 8%)

Often quarterly progress report

Collaborating

Begin to assemble the research study team **early**.

If you have identified collaborators, you will need to include **letters of commitment** in your application that clearly state their roles. The grant application should contain a signed letter from each collaborator to the applicant that **lists the contribution** he or she intends to make and his or her enthusiasm for the work. These letters are often crucial information for the reviewers.

Investigate opportunities for **collaborating** with more experienced, **well-known grantees**, or a known laboratory. Collaborators can fill gaps in your own expertise and resources and can assure reviewers of the competence of your proposed team.

More on Collaboration

Consider a Multiple PD/PI Model: If your work includes multidisciplinary efforts and collaboration where a team science approach could be more effective, then you should consider the [multiple-PI model](#).

The format, peer review and administration of applications submitted under the multiple-PI model do have some **significant differences** from the traditional single-PI model which will need to be taken into consideration as you plan.

Therefore, as with the preparation of any research proposal, it is essential that you consider all aspects of the funding mechanism before submitting an application. All applicants proposing team science efforts are strongly encouraged to contact their NIH program officials at the earliest possible date to discuss the appropriateness of the multiple-PI model for the support of their research.

For consultants, you will need to include letters that reflect the rate/charge for consulting services.

Issues with division of \$

National Institutes of Health

The National Institutes of Health (NIH), a part of the [U.S. Department of Health and Human Services](#), is the nation's medical research agency—making important **discoveries that improve health and save lives**.

NIH is the largest source of funding for medical research in the world, creating hundreds of thousands of high-quality jobs by funding thousands of scientists in universities and research institutions in every state across America and around the globe.

Cool NIH Resources

NIH Library Materials via PubMed

<http://www.ncbi.nlm.nih.gov/pubmed/>

NIH RePORTER

<https://projectreporter.nih.gov/reporter.cfm?icde=40950735>

NIH the Big Picture

https://www.youtube.com/watch?v=rNwsg_PR90w&feature=player_embedded&list=PLOEUwSnjvqBJNvVxAEHDaR6ZJxg7TI6eM

Tips for Applicants at the NIH (4:37):

<http://www.youtube.com/watch?v=IAOGtr0pM6Q>

Early Career Review Program at the NIH CSR (6:34):

<http://www.youtube.com/watch?v=dtKwYgiuh7M>

Video of the Peer Review Process at the NIH (14:51):

<http://www.youtube.com/watch?v=fBDxI6I4dOA&feature=youtu.be>

Strategic Plan for Obesity Research at the NIH (Francis Collins; 4:17)

<http://www.youtube.com/watch?v=VIH6I5Jf9Xc>

NIH Mechanisms

R Series	Research Grants
K Series	Career Development Awards
T/F Series	Research Training/Fellowships
P Series	Program Project/Center Grants

Resource Grants

Early Stage Investigators – 10 years since terminal degree

BUILD is from the “Common Fund” with three mechanisms, U54 (institutional), RL (research and mentor training of faculty), and TL (student training)

Types of Research/Career Grants at NIH

Dissertation awards, postdoctoral awards

R01 Research Project Grant \$lots/3-5 years

R03 Small Grant \$50,000/PER 2 years

R15 Academic Research Enhancement Award (AREA) \$300,000 (total)/3 yrs

R21 Exploratory/Developmental \$275,000 (total)/2yrs

R13 Conferences, Scientific Meetings

K01 Mentored Research Scientist Development

Who's your Institute?

National Cancer Institute (NCI)

National Eye Institute (NEI)

National Heart, Lung, and Blood Institute (NHLBI)

National Human Genome Research Institute (NHGRI)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Allergy and Infectious Diseases (NIAID)

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

Or...

National Institute on Deafness and Other Communication Disorders (NIDCD)

National Institute of Dental and Craniofacial Research (NIDCR)

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

National Institute on Drug Abuse (NIDA)

National Institute of Environmental Health Sciences (NIEHS)

National Institute of General Medical Sciences (NIGMS)

National Institute of Mental Health (NIMH)

National Institute on Minority Health and Health Disparities (NIMHD)

National Institute of Neurological Disorders and Strokes (NINDS)

National Institute of Nursing Research (NINR)

National Library of Medicine (NLM)

NIH Centers

Center for Information Technology (CIT)

Center for Scientific Review (CSR)

Fogarty International Center (FIC)

National Center for Advancing Translational Sciences (NCATS)

National center for Complementary and Alternative Medicine (NCCAM)

NIH Clinical Center (CC)

Funding Rates

	R01 Success (HUGE)	R03 Success (50K)	R15 Success (300K)	R21 Success
FIC	18.8	9.9	NA	35.7
NCI	14.6	14.6	13	10.6
NEI	27.9	NA	16.7	14.5
NHLBI	15.9	0	13.9	14.5
NHGRI	27.8	15.8	0	13.3
NIA	13.1	15.8	3.3	11.3
NIAAA	20.6	13.3	4.8	17.2
NIAID	15.1	20.3	14.5	16.6
NIAMS	17.4	14	7.7	13
NIBIB	17.3	13.5	6.1	11.2
NICHD	12.1	12.5	10.1	8.4
NIDCD	26.1	30.3	8	11.8
NIDCR	21.9	18.2	8	10.4
NIDDK	18.2	46.8	6.6	8.8
NIDA	19.8	19.6	14.3	19.4
NIEHS	14.7	19.7	20.4	12.4
NIGMS	20.8	NA	14.8	9
NIMH	19.5	10.1	17.2	16.9
NIMHD	4.1	0	NA	12.5
NINDS	19.8	18	13.7	17.3
NINR	11.6	4.3	16.7	5.1
NLM	16.4	NA	0	3.4
NCCAM	11.8	NA	15.8	6.3