

Questions and Answers

Submit your questions via the Q&A box on your screen

- You may elect to submit your question anonymously.
- For specific questions about your project, please contact a Program Director.

Next MCB Virtual Office Hours

December 11, 2024: Building Synthetic Microbial Communities (NSF 25-501) and Other New Funding Opportunities



MCB Virtual Office Hour

Today's Topic:

How to Write a Great NSF Budget

Slides and recordings of past presentations at

https://mcbblog.nsfbio.com/office-hours/2/





NSF Division of Grants & Agreements (DGA)

Division Director – Jamie H. French

Deputy Division Director – Lisa Scott-Morring

Branch Chief (BIO/GEO/OISE/SBE) – Deidre Coates

Team Lead (BIO/OISE) – Vanessa Richardson

Grants Administrator – Shirley Kerchner

BIO Grants Specialists

Sharon Glivens (DEB/MCB/OISE)

sglivens@nsf.gov; 703-292-7837

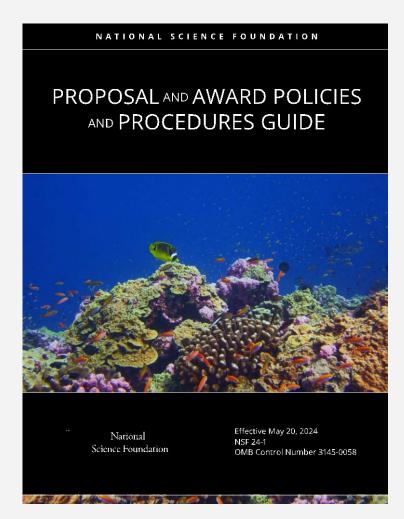
Termia Talbert (DBI/EF/IOS)

ttalbert@nsf.gov; 703-292-7074



Required Sections of an NSF Proposal

- Cover Sheet
- Project Summary
- Project Description
- References Cited
- Budget
- Budget Justification
- Facilities, Equipment and Other Resources
- Senior Personnel Documents
 - Biographical Sketch(es)
 - Current and Pending (Other) Support
 - Synergistic Activities
- Data Management and Sharing Plan
- Mentoring Plan (if applicable)
- Plan for Safe and Inclusive Working Environment (if applicable)



PAPPG 24-1



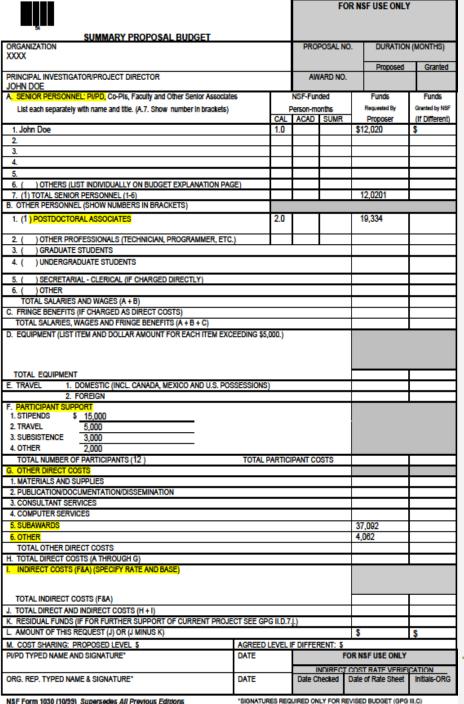
Budget

Budgetary guidelines are found in both the PAPPG and in specific program solicitations

- The proposal must contain a budget for each year of support requested.
- Know what various elements of your project will cost (good estimates).
- Ask for what you need:
 - Realistic and reasonable (Tip: see recent awards)
 - Well justified

Browse projects funded by this program

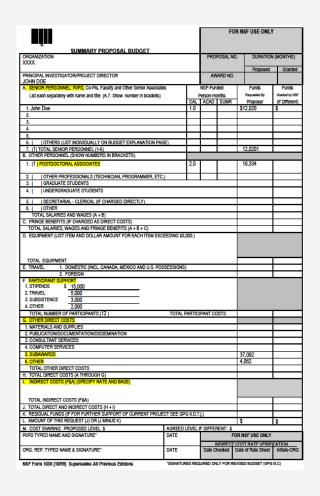
- Consistent with program guidelines
- Eligible costs include:
 - Personnel
 - Equipment
 - Travel
 - Participant Support
 - Other direct costs (materials, publications, services, subawards, "other").





Budget Justification

- Must provide detailed breakdown of spending in each category and justification for requested amounts.
- No more than five pages for all years of the project.



Justification

A. Senior Personnel (Total \$)

PI: Dr. Who (mo/yr)

Co-PI: Dr. Strange (mo/yr)

B. Other Personnel (Total \$)
Postdoctoral scholar (mo/yr)
Graduate student (mo/yr)

C. Fringe Benefits (Total \$)

D. Equipment (Total \$)

E. Travel (Total \$)

F. Participant Support (Total \$)

G. Other Direct Costs (Total \$)

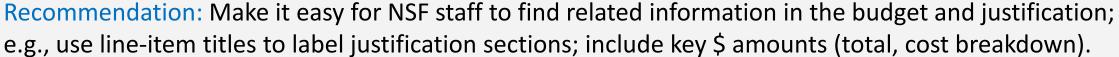
1. Materials and Supplies (\$)

•••

6. Other (\$)

H. Total Direct Costs (A through G)

I. Indirect Costs





Budget Justification – Senior, Other Personnel

A. SENIOR PERSONNEL: PI/PD, Co-Pls, Faculty and Other Senior Associates		NSF-Funded		Funds	Funds
List each separately with name and title. (A.7. Show number in brackets)	Person-months			Requested By	Granted by NSF
	CAL	ACAD	SUMR	Proposer	(If Different)
1. John Doe	1.0			\$12,020	\$
2.					
3.					
4.					
5.					
OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (1) TOTAL SENIOR PERSONNEL (1-6)				12,0201	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. (1) POSTDOCTORAL ASSOCIATES	2.0			19,334	
2. () OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)					
3. () GRADUATE STUDENTS					
4. () UNDERGRADUATE STUDENTS					
5. () SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					
6. () OTHER					
TOTAL SALARIES AND WAGES (A + B)					
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					

A. Senior Personnel (Total \$)

PI: Dr. Who (mo/yr)

Co-PI: Dr. Strange (mo/yr)

B. Other Personnel (Total \$)

Postdoctoral scholar (mo/yr)

Graduate student (mo/yr)

C. Fringe Benefits (Total \$)

PAPPG II.D.2.f.i/ii

- As general policy, NSF limits the salary for each senior/key person to two months of their regular salary in any one year (summed over all current NSF awards).
- Compensation >two months must be disclosed in the proposal budget, justified in the budget justification, and must be specifically approved by NSF in the award notice.



Budget Justification – Equipment, Travel

D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT	FOR EACH ITEM EXCEEDING \$5,000 \	
b. Edon ment feor tremvino botes it vino ont	on a formal and a social socia	
TOTAL EQUIPMENT		
E. TRAVEL 1. DOMESTIC (INCL. CANADA, N	EXICO AND U.S. POSSESSIONS)	
2. FOREIGN		

D. Equipment (Total \$)

E. Travel (Total \$)

PAPPG II.D.2.f.iii

Equipment:

- Generally, tangible property with a useful life >1 year and cost >\$5,000.
- Limited to equipment not already available for conduct of the research.
- Must be disclosed in the proposal budget, justified in the budget justification.

PAPPG II.D.2.f.iv

Travel:

- Generally, funds for field work, attendance at meetings and conferences, and other travel
 associated with the proposed work, including subsistence.
- When anticipated, travel must be specified, itemized, and justified by destination and cost.



Budget Justification – Participant Support

ORT			
15,000			
5,000			
3,000			
2,000			
	15,000 5,000 3,000 2,000	15,000 5,000 3,000	15,000 5,000 3,000 2,000

- F. Participant Support (Total \$)
- 1. Stipends (\$)
- 2. Travel (\$)
- 3. Subsistence (\$)
- 4. Other (\$)

PAPPG II.D.2.f.v

- Direct costs for items such as stipends, subsistence, travel, and registration for participants or trainees in training projects or NSF-sponsored conferences.
 - Note: For conferences, speakers and trainers generally are not considered participants, unless the primary purpose of attendance is learning and receiving training.
- "F.4. Other" costs must be itemized and detailed in the justification.
- Participant support funds may not be used for incentive payments to research subjects.
- Indirect costs (F&A) are not usually allowed on participant support costs (unless the organization's current, Federally approved indirect cost rate agreement allows).
- Participant support costs must be accounted for separately if an award is made.



Budget Justification – Other Direct Costs

	1	
G. OTHER DIRECT COSTS		
1. MATERIALS AND SUPPLIES		
2. PUBLICATION/DOCUMENTATION/DISSEMINATION		
3. CONSULTANT SERVICES		
4. COMPUTER SERVICES		
5. SUBAWARDS	37,092	
6. OTHER	4,062	

- **G.** Other Direct Costs (Total \$)
 - 1. Materials and Supplies (\$)
 - 2. Publication costs (\$)
 - 3. Consultant Services (\$)
- 4. Computer Services (\$)
- 5. Subawards (\$)
- 6. Other (\$)

PAPPG II.D.2.f.vi

- Allowable, reasonable costs that are directly allocable to the activity associated with the project.
- Any direct costs not specified in lines G.1. through G.5. must be included in G.6.
- All costs under "G.6. Other" must be itemized and detailed in the justification;
 e.g., graduate tuition.



Budget Justification – Total Direct and Indirect Costs

H. TOTAL DIRECT COSTS (A THROUGH G)	
I. INDIRECT COSTS (F&A) (SPECIFY RATE AND BASE)	
TOTAL INDIRECT COSTS (F&A)	
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)	

H. Total Direct Costs (A through G)

I. Indirect Costs

PAPPG II.D.2.f.viii

Indirect costs (IDC)

- Applicable U.S. Federally negotiated indirect cost rate(s) must be used in computing indirect costs (F&A).
- Absent a negotiated rate agreement, the organization may choose to apply the de minimis rate of 15%.
- As per <u>NSF's indirect cost rate policies</u>, commonly excluded costs from the IDC base are:
 - Equipment and capital expenditures
 - Subaward costs >\$50,000
 - Participant Support costs



In the Event of an Award...

NSF grants come in two flavors:

Standard grants

- All funding is provided at the start of the project
 - All funds will expire at the same time (after 7 years)
- Require annual reporting
- Subject to Terms and Conditions.

Continuing grants

- Funds are awarded on an annual basis in continuing grant increments (CGIs)
 - Funds will expire on a rolling basis (7 years after specific CGI)
- Require annual reporting
 - CGIs cannot be awarded until report is submitted and approved
- Subject to Terms and Conditions.



Post-award Budget Considerations

The grantee has expanded authority to enact some revisions of budget and program plans without prior NSF approval:

- Transfer amounts budgeted for indirect costs to absorb increases in direct costs, or vice versa.
- Incur project costs up to 90 calendar days pre-award.
- Initiate a one-time extension of the period of performance by up to 12 months.
- Carry-forward of unobligated balances to subsequent budget periods.
- Transfer funds among direct cost categories.
- Note: rebudgeting authority is generally limited to 10% of the total approved budget.

Post-award Budget Considerations

However, for other revisions of budget and program plans prior written NSF approval is required:

- Change in the scope or the objective of the project.
- Change in a key person specified in the proposal or NSF award.
- Disengagement from the project for more than three months, or a 25% reduction in time devoted to the project by the PI.
- Subsequent no-cost extension or extension of more than 12 months.
- Transfer of funds budgeted for participant support costs to other categories of expenses.
- Subawarding, transferring or contracting out of any work under an NSF award.



New Solicitations and DCLs

- Molecular Foundations for Biotechnology RNA Tools/Biotechnology; NSF 24-607
 Due: 12/16/2024
- Future Manufacturing; NSF 24-525

 Due 1/13/2025
- Accelerating Computing-Enabled Scientific Discovery (ACED); NSF 24-541
 Due: 1/14/2025
- BioMADE; NSF 25-012
 Due: 1/22/2025 (white paper); 4/18/24 (full proposal)
- Building Synthetic Microbial Communities; NSF 25-501
 Due: 2/3/2025
- Advancing Research at the Intersection of Biology and AI/ML; NSF 24-131
- Use-Inspired Creativity Extension; NSF 24-133



Upcoming...

Office hours:

- Wednesday December 11th, 2024, 3-4 pm ET
 Building Synthetic Microbial Communities (NSF 25-501)
 and Other New Funding Opportunities
- Wednesday January 8th, 2025, 2-3 pm ET
 Mid-Career Advancement (NSF 22-603)

Funding opportunities:

See Funding Opportunities page on MCB blog for relevant funding calls and deadlines.

Questions



