COLLABORATIVE RESEARCH SUPPORT – Center Grants

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Outline

1. What is a center grant?

2. What are the challenges and rewards?

3. Collaborative Research Support Program

4. Overview of center grant opportunities

5. Questions

CENTER GRANT OVERVIEW

What is unique about a center grant?

1. Large number of participants (5 or more)
2. High dollar (>$1M Direct Costs/Year)
3. Generally an education component (K-grey)
4. Can include a business component
5. Can include an unfunded foreign partner requirement
6. Must be greater than the sum of the parts

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CENTER GRANT OVERVIEW

What are the challenges?

1. Strong Leader
2. Established multidisciplinary team
3. Time expensive with little research funding
4. Collaboration among and between areas and physical locations
5. Must be greater than the sum of the parts – constant vision and goal updates
6. Assisting foreign partner and industry partners (IP and NDA)

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CENTER GRANT OVERVIEW

What are the rewards?

1. Opportunities to network across fields
2. Opportunity for additional funds from the sponsor without formal proposal
3. Satisfaction from helping via the education component
4. Creation of a start-up or development of IP that will be commercialized

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PROPOSAL PROJECT MANAGEMENT

PROJECT MANAGEMENT SUPPORT TO HELP WITH PROPOSALS

-FROM ORGANIZATION THROUGH SUBMISSION

COLLABORATIVE RESEARCH SUPPORT PROGRAM (OSP)

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(*plus 2 staff*)

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PROPOSAL PROJECT MANAGEMENT

INITIAL MEETING WITH PI

Create long-term vision, proposal checklist, assign responsibilities & decide timeline of tasks (example below from NSF proposal)

Proposal Section	Description	Responsibility	Due Date	Notes
Project Summary	Intellectual Merit	Anil/Dawn	1/5/11	
	Broader Impacts	Anil/Dawn	1/5/11	
	Added Value of Having the Center	Anil/Dawn	1/5/11	
	Vision and description of CEMRI	Anil/Dawn	1/5/11	
	Scientific Impact	Anil/Dawn	1/5/11	
	Technological Impact	Anil/Dawn	1/5/11	
	Societal Impact	Anil/Dawn	1/5/11	
	Limited to 3 pages	Dawn	1/5/11	
Project Description				
a. List of Senior Investigators	Limited to 1 page	Dawn	12/10/10	
	name, org/inst affiliation, major role (IRG, ed, etc)	Dawn to send to Ajay and Brian to confirm	12/10/10	Dawn updated 12/10/10, need to add seed projects
b. Achievements Under Recent NSF Support	Limited to 5 pages	Dawn to send to Ajay and Brian to confirm	12/10/10	Dawn Sent to group 11/28/10

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PROPOSAL PROJECT MANAGEMENT

CHECKLIST OF SERVICES

1. Schedule and organize all group meetings
2. Collect and format CVs from each participant
3. Contact subcontractors and obtain all required CVs, budgets, justifications, forms, etc.
4. Prepare budget and collect supporting documentation and justification
5. Collect and prepare facilities and equipment section
6. Prepare and create data tables and figures/graphics, concept diagrams, flow charts, etc.
7. Create timeline and milestones of research strategy for the research plan

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PROPOSAL PROJECT MANAGEMENT

CHECKLIST OF SERVICES

8. Create resource sharing plan, education plan, IP plan, and management plan (if applicable)
9. Create and complete Document Summary Sheet
10. Arrange for cost share if required in FOA
11. Complete grants.gov application and submit application
12. Coordinate external reviewers, site visits, etc.

FUNDS AVAILABLE THROUGH CRSP

Proposal Preparation Costs

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CENTER GRANT OPPORTUNITIES

National Science Foundation

Center Name	Duration	$/year	Total ($)	Frequency	Notes
Science & Technology Centers	5-10Y	16-20M	96M	~every 2 years, likely 6/17	1) limited submission, 2) university, education, industry, 3) 1991 STC in computer graphics and scientific viz for 35M
Engineering Research Centers	5-10Y	3.5-4.25M	20M	now, again 6/18	1) preproposal, 2) engineered systems, education, innovation ecosystem, 3) 1986 Advanced Combustion ERC
Industry/University Cooperative Research Centers	5-10Y	depends	5M	annual	1) planning grant, 2) majority of funds from industry fees

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CENTER GRANT OPPORTUNITIES

National Science Foundation (cont.)

Center Name	Duration	$/year	Total ($)	Frequency	Notes
Materials Research Science and Engineering Centers	Up for renewal this summer, mrsec.utah.edu				
Physics Frontiers Centers	5Y	1-5M	5-25M	~2-3 years, likely 1/17	1) limited submission, 2) research and education
Center for Chemical Innovation	5Y	4M	20M	~2 years, likely 10/16	1) limited submission, 2) research and education
***Major Research Instrumentation Grants	1-2Y	depends	100K-2M	annual, due 1/13/16	1) limited submission VPR due 11/16/15, 2) 3 applications allowed

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CENTER GRANT OPPORTUNITIES

Department of Energy

Center Name	Duration	$/year	Total ($)	Frequency	Notes
Engineering Frontier Research Centers	4/5 years	2-5M	8-25M	Every 4-5 years, likely 2019	1) research oriented, 2) graduate and post doc heavy for education, 3) Started in 2009
Hot Topic Centers	*	*	10-100M	*	1) sequestration, geothermal, shale, china clean energy

CENTER GRANT OPPORTUNITIES

National Institutes of Health

- P01 = Research Program Project – integrated projects with common theme (1M per year for 5 years – 19 opportunities) – U01 identical but cooperative agreement
- P20 = Exploratory – planning grant for other P level grants (250K per year – 4 opportunities)
- P30 = Center Core Grants – shared resources and facilities to integrate those already funded (varies – 15 opportunities – neuroscience, Alzheimer's, diabetes, vision, AIDS, cancer, etc.)
- P50 = Specialized Center – multidisciplinary attack on a problem (varies – 15 opportunities, cancer (2.3M/yr.), Alzheimer's, mental health, etc.) - U54 identical but cooperative agreement

CENTER GRANT OPPORTUNITIES

Department of Defense

- Multidisciplinary University Research Initiatives (MURI) – 3 to 5 years, specific topics annually, 500K – 1M per year, ARL, AFO, ONR
- Collaborative Technology and Research Alliances – dependent upon DoD need, 5-10 years, 1-10M per year, ARL
- Defense University Research Instrumentation Program (DURIP) – annual, 50K – 1M, must be funded by DoD
- DARPA, DTRA, ARO, ARL, ONR Broad Agency Announcements