

2001 Current Fiscal Year Report: Advisory Panel for Developmental Mechanisms

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1. Department or Agency	2. Fiscal Year
National Science Foundation	2001
3. Committee or Subcommittee	3b. GSA Committee No.
Advisory Panel for Developmental Mechanisms	1141

4. Is this New Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
No	06/30/1999	06/30/2001	06/30/2001

8a. Was Terminated During Fiscal Year?	8b. Specific Termination Authority	8c. Actual Term Date
Yes		06/30/2001

9. Agency Recommendation for Next Fiscal Year	10a. Legislation Req to Terminate?	10b. Legislation Pending?
Continue	No	

11. Establishment Authority	Agency Authority		
12. Specific Establishment Authority	13. Effective Date	14. Committee Type	14c. Presidential?
ADM IV-100	09/30/1992	Continuing	No

15. Description of Committee Grant Review Committee

16a. Total Number of Reports No Reports for this Fiscal Year

17a. Open 0 **17b. Closed** 0 **17c. Partially Closed** 2 **Other Activities** 0 **17d. Total** 2

Meetings and Dates

Purpose	Start	End
Proposal Review and discussion on research trends, opportunities, and assessment procedures	10/25/2000	10/27/2000
Proposal Review and discussion on research trends, opportunities, and assessment procedures	04/18/2001	04/20/2001

Number of Committee Meetings Listed: 2

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$48,920.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$14,420.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$14,406.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Administrative Costs (FRNs, contractor support, In-person/hybrid/virtual meetings)	\$0.00	\$0.00
18d. Other (all other funds not captured by any other cost category)	\$1,973.00	\$0.00
18e. Total Costs	\$79,719.00	\$0.00
19. Federal Staff Support Years (FTE)	0.18	0.00

**20a. How does the Committee accomplish its
purpose?**

The Developmental Mechanisms Review Panel advises in three scientific areas, plant & microbial development, animal development biology, and the evolution of development. In 2001, this panel reviewed a total of 200 competing proposals for research initiatives. The funds expended by the

program totalled about 18.0M in FY01; however, this includes supplementary awards to existing awards and awards to symposia not reviewed by the Panel. The primary role of the Panel is to identify those proposals most worthy of funding, in the environment of limited funds. The Panel's recommendations are based solely on scientific merit. In addition to this key role, the Panel also provides service to the program in particular and to the NSF community as a whole by discussing matters of importance to the research community they represent. They advise the NSF regarding current trends in innovative research, format changes in proposal processing, and how the reviewing process can be improved. In meeting with the program officers over a period of three days for each Panel session, they also gain knowledge of the workings of the NSF and an appreciation for the difficulties of the process of balancing funding decisions.

20b. How does the Committee balance its membership?

Membership is based primarily on criteria of outstanding abilities and scientific judgment of the individual panelist. In addition, the program balances the representation on the Panel in terms of the enormous range of systems and techniques that need to be covered to effectively evaluate the proposals coming to Developmental Mechanisms. The group must encompass experts in invertebrate and vertebrate animal systems, plants, and microbes. Consideration is also made to balance the Panel in terms of gender and underrepresented minorities, as well as representation for small colleges and research institutes, along with the large research universities. The 26 panelists that served in 2001 fit in the following categories: researchers studying

invertebrate systems, including Drosophila, C.elegans, and marine invertebrates, 12 panelists; and those in vertebrate systems, 5 panelists; and those studying plants or microbes, 9 panelists -- there were 6 women panelists.

20c. How frequent and relevant are the Committee Meetings?

The Developmental Mechanisms Review Panel met twice in FY 01. These meetings correspond to the programs' two target dates a year. The panel is absolutely essential in their role of advising the two program directors regarding the relative merits of the entire group of proposals, a role not possible for mail reviewers to fulfill.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

While ad hoc reviews can and do provide a vital function of circumspect and critical expert knowledge in their area, they only evaluate a single proposal at a time, and therefore cannot provide the advice necessary for the program officer to choose between many meritorious applications. The Panel has the charge of placing proposals in funding categories in relation to one another. If funds were not so limiting, and all deserving awards could be funded, the panel's overall perspective might not be necessary.

20e. Why is it necessary to close and/or partially closed committee meetings?

To review proposals that included information of a proprietary or confidential nature, including technical information; financial data such as salaries; and personal information concerning individuals associated with the proposals.

21. Remarks

Designated Federal Officer

Frank C. Greene Division Director, IBN

Committee Members	Start	End	Occupation	Member Designation
Barton, Kathy	10/01/2000	09/30/2001	University of Wisconsin	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Bejsovec, Amy	10/01/2000	09/30/2001	Duke University	Special Government Employee (SGE) Member
Benfey, Philip	10/01/2000	09/30/2001	New York University	Special Government Employee (SGE) Member
Berg, Celeste	10/01/2000	09/30/2001	University of Washington	Special Government Employee (SGE) Member
Cameron, Andrew	10/01/2000	09/30/2001	California Institute of Technology	Special Government Employee (SGE) Member
Denell, Robin	10/01/2000	09/30/2001	Kansas State University	Special Government Employee (SGE) Member
Fitch, David	10/01/2000	09/30/2001	New York University	Special Government Employee (SGE) Member
Gasser, Charles	10/01/2000	09/30/2001	University of California	Special Government Employee (SGE) Member
Izpisua Belmonte, Juan Carlos	10/01/2000	09/30/2001	Salk Institute for Biological Studies	Special Government Employee (SGE) Member

Johnson, Randy	10/01/2000	09/30/2001	University of Texas	Special Government Employee (SGE) Member
Kimelman, David	10/01/2000	09/30/2001	University of Washington	Special Government Employee (SGE) Member
Kopan, Raphael	10/01/2000	09/30/2001	Washington University	Special Government Employee (SGE) Member
Ma, Hong	10/01/2000	09/30/2001	Penn State University	Special Government Employee (SGE) Member
Mahaffey, James	10/01/2000	09/30/2001	North Carolina State University	Special Government Employee (SGE) Member
Maxson, Robert	10/01/2000	09/30/2001	University of Southern California	Special Government Employee (SGE) Member
McClure, Bruce	10/01/2000	09/30/2001	University of Missouri	Special Government Employee (SGE) Member
Poethig, R. Scott	10/01/2000	09/30/2001	University of Pennsylvania	Special Government Employee (SGE) Member
Pruitt, Robert	10/01/2000	09/30/2001	Purdue University	Special Government Employee (SGE) Member
Pultz, MaryAnne	10/01/2000	09/30/2001	Western Washington University	Special Government Employee (SGE) Member
Raff, Rudolf	10/01/2000	09/30/2001	Indiana University	Special Government Employee (SGE) Member

Schupbach, Gertrud	10/01/2000	09/30/2001	Princeton University	Special Government Employee (SGE) Member
Sinha, Neelima	10/01/2000	09/30/2001	University of California	Special Government Employee (SGE) Member
Steele, Robert	10/01/2000	09/30/2001	University of California-Irvine	Special Government Employee (SGE) Member
Weisblat, David	10/01/2000	09/30/2001	University of California	Special Government Employee (SGE) Member
Wray, Gregory	10/01/2000	09/30/2001	Duke University	Special Government Employee (SGE) Member
Yanofsky, Martin	10/01/2000	09/30/2001	University of California	Special Government Employee (SGE) Member

Number of Committee Members Listed: 26

Narrative Description

What are the most significant program outcomes associated with this committee?

Checked if
Applies

Improvements to health or safety	<input type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input type="checkbox"/>
Advance in scientific research	<input type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input type="checkbox"/>
Increased customer satisfaction	<input type="checkbox"/>

Implementation of laws or regulatory requirements

☐

Other

☐

Outcome Comments

What are the cost savings associated with this committee?

Checked if Applies

None

☒

Unable to Determine

☐

Under \$100,000

☐

\$100,000 - \$500,000

☐

\$500,001 - \$1,000,000

☐

\$1,000,001 - \$5,000,000

☐

\$5,000,001 - \$10,000,000

☐

Over \$10,000,000

☐

Cost Savings Other

☐

Cost Savings Comments

What is the approximate Number of recommendations produced by this committee for the life of the committee?

0

Number of Recommendations Comments

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

%

% of Recommendations Fully Implemented Comments

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

%

% of Recommendations Partially Implemented Comments

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☐ No ☐ Not Applicable ☒

Agency Feedback Comments

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input type="checkbox"/>
Reallocated resources	<input type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO	<input type="checkbox"/>
Online Agency Web Site	<input type="checkbox"/>
Online Committee Web Site	<input type="checkbox"/>
Online GSA FACA Web Site	<input type="checkbox"/>
Publications	<input type="checkbox"/>

Other



Access Comments