

## 2021 Current Fiscal Year Report: Advisory Committee for Mathematical and Physical Sciences

Report Run Date: 05/08/2021 07:06:14 PM

### 1. Department or Agency

National Science Foundation

### 2. Fiscal Year

2021

### 3. Committee or Subcommittee

Advisory Committee for Mathematical and Physical Sciences

### 3b. GSA Committee No.

66

### 4. Is this New During Fiscal Year?

No

### 5. Current Charter

06/29/2020

### 6. Expected Renewal Date

06/29/2022

### 7. Expected Term Date

### 8a. Was Terminated During Fiscal Year?

No

### 8b. Specific Termination Authority

### 8c. Actual Term Date

### 9. Agency Recommendation for Next Fiscal Year

Continue

### 10a. Legislation Req to Terminate?

No

### 10b. Legislation Pending?

Enacted

### 11. Establishment Authority

Agency Authority

### 12. Specific Establishment Authority

ADM IV-100

### 13. Effective Date

10/01/1992

### 14. Committee Type

Continuing

### 14c. Presidential?

No

### 15. Description of Committee

Scientific Technical Program Advisory Board

### 16a. Total Number of Reports

No Reports for this Fiscal Year

### 17a. Open Meetings and Dates

No Meetings

### 17b. Closed

0

### 17c. Partially Closed

0

### Other Activities

0

### 17d. Total

0

### Current FY Next FY

### 18a(1). Personnel Pmts to Non-Federal Members

\$0.00 \$0.00

### 18a(2). Personnel Pmts to Federal Members

\$0.00 \$0.00

### 18a(3). Personnel Pmts to Federal Staff

\$0.00 \$0.00

### 18a(4). Personnel Pmts to Non-Member Consultants

\$0.00 \$0.00

### 18b(1). Travel and Per Diem to Non-Federal Members

\$0.00 \$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

<b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b>	\$0.00	\$0.00
<b>18d. Total</b>	\$0.00	\$0.00
<b>19. Federal Staff Support Years (FTE)</b>	0.00	0.00

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

The Advisory Committee provides the Directorate with valuable scientific, educational, and management advice for the purpose of enhancing the overall impact and performance of its programs in the mathematical and physical sciences. An important function of the Committee is to conduct oversight reviews of the impact, performance, and management of the programs in the mathematical and physical sciences. In FY 2020, the Committee continued to focus on strategic planning for mathematical and physical sciences.

**20b. How does the Committee balance its membership?**

Representation on the Committee is diverse and includes individuals from all MPS disciplines. The professional affiliations of Committee members include universities, industry, and other appropriate organizations. Members from the academic community typically include faculty and administrators from research universities and predominantly undergraduate institutions. Successful efforts have also been made to include on the Committee women and members of ethnic and racial groups traditionally underrepresented in the sciences.

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

Two advisory committee meetings were held in FY 2020. Maintaining the Committee will allow for the continuation of advice to and oversight of Directorate programs.

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

Given that the Committee is required to provide advice on priorities and opportunities across all the disciplines supported by the Directorate for Mathematical and Physical Sciences, it is a unique entity. There is no existing organization with the appropriate range of expertise and knowledge.

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

N/A

**21. Remarks**

N/A

## Designated Federal Officer

Sean L Jones Assistant Director, MPS

Committee Members	Start	End	Occupation	Member Designation
Awschalom, David	10/01/2017	09/30/2021	University of Chicago	Special Government Employee (SGE) Member
Balazs, Anna	04/01/2020	03/31/2022	University of Pittsburgh	Special Government Employee (SGE) Member
Brenner, Susanne	10/01/2016	09/30/2022	Louisiana State University & Agricultura	Special Government Employee (SGE) Member
Bryant, Robert	10/01/2014	03/31/2021	Duke University	Special Government Employee (SGE) Member
Dobbins, Tabbetha	04/01/2020	03/31/2022	Rowan University	Special Government Employee (SGE) Member
Garcia-Garibay, Miguel	10/01/2017	09/30/2021	University of Cal Los Angeles	Special Government Employee (SGE) Member
Hillenbrand, Lynne	10/01/2016	09/30/2022	California Institute of Technology	Special Government Employee (SGE) Member
Hunt, Catherine	10/01/2017	09/30/2021	University of Virginia	Special Government Employee (SGE) Member
Jaffe, Daniel	10/01/2019	09/30/2021	University of Texas at Austin	Special Government Employee (SGE) Member
Kirshner, Robert	04/01/2020	03/31/2022	Harvard University	Special Government Employee (SGE) Member
Lang, Cornelia	04/01/2020	03/31/2022	University of Iowa	Special Government Employee (SGE) Member
Levine, Herbert	10/01/2019	09/30/2021	Northeastern University	Special Government Employee (SGE) Member
Lewis, Jennifer	10/01/2017	09/30/2021	Harvard University	Special Government Employee (SGE) Member
Millis, Andrew	10/01/2017	09/30/2021	Columbia University	Special Government Employee (SGE) Member
Pipher, Jill	04/01/2020	03/31/2022	Brown University	Special Government Employee (SGE) Member
Tolman, William	04/01/2020	03/31/2022	Washington University	Special Government Employee (SGE) Member
Zajc, William	10/01/2014	03/31/2021	Columbia University	Special Government Employee (SGE) Member

**Number of Committee Members Listed: 17**

## Narrative Description

The NSF mission is set out in the NSF Act of 1950 that authorizes and directs the NSF to initiate and support: basic scientific research and research fundamental to the engineering process; and science and engineering education programs at all levels in all fields of science and engineering. The MPS Advisory Committee provides advice to senior management within the Mathematical and Physical Sciences on activities related to the NSF strategic plan.

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

Checked if Applies

- Improvements to health or safety
- Trust in government
- Major policy changes
- Advance in scientific research
- Effective grant making
- Improved service delivery
- Increased customer satisfaction
- Implementation of laws or regulatory requirements
- Other

**Outcome Comments**

NA

**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**

The use of the advisory committee to discuss activities of the directorate is an invaluable asset. The cost of obtaining the expertise, insight, and information received by the directorate using alternative methods, such as hiring the expertise as full or part-time employees, would be extremely high.

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

47

**Number of Recommendations Comments**

0 New Recommendations for FY20. Total cumulative recommendations is 47 for this committee. The advisory committee provides comments on review activities such as Committee of Visitors and workshop reports within the MPS Directorate.

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

79%

**% of Recommendations Fully Implemented Comments**

NA

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

11%

**% of Recommendations Partially Implemented Comments**

Some recommendations were deemed contrary to policy.

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

Yes  No  Not Applicable

### **Agency Feedback Comments**

Through discussion and reporting at subsequent meetings of the advisory committee, and by posting updates to recommendations on the advisory committee website.

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

Checked if Applies

Reorganized Priorities	<input checked="" 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 checked="" type="checkbox"/>

### **Action Comments**

Initiation of workshops to study issues.

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

No

**Grant Review Comments**

This advisory committee does not make recommendations concerning approval of grants.

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

Checked if Applies

- Contact DFO
- Online Agency Web Site
- Online Committee Web Site
- Online GSA FACA Web Site
- Publications
- Other

**Access Comments**

N/A