

2024 Current Fiscal Year Report: Interdisciplinary Molecular Sciences and Training Integrated Review Group

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1. Department or Agency		2. Fiscal Year	
Department of Health and Human Services		2024	
3. Committee or Subcommittee		3b. GSA Committee No.	
Interdisciplinary Molecular Sciences and Training Integrated Review Group		72191	
4. Is this New Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
No	11/06/2009		
8a. Was Terminated During Fiscal Year?	8b. Specific Termination Authority		8c. Actual Term Date
No			
9. Agency Recommendation for Next Fiscal Year	10a. Legislation Req to Terminate?	10b. Legislation Pending?	
Continue	Not Applicable	Not Applicable	
11. Establishment Authority Authorized by Law			
12. Specific Establishment Authority	13. Effective Date	14. Committee Type	14c. Presidential?
42 U.S.C.282 (b)(16)	11/20/1985	Continuing	No
15. Description of Committee Grant Review Committee			
16a. Total Number of Reports	No Reports for this Fiscal Year		
17a. Open	17b. Closed	17c. Partially Closed	Other Activities
0	0	0	0
17d. Total			
0			
Meetings and Dates			
No Meetings			

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

20a. How does the Committee accomplish its purpose?

Section 492 of the PHS Act states that “The Secretary...shall by regulation require appropriate technical and scientific peer review of – (A) applications...; and (B) biomedical and behavioral research and development contracts.” This committee will be composed of recognized biomedical and behavioral research authorities who represent the forefront of research and technical knowledge and who provide first-level merit review of highly scientific and technical research funding applications and proposals, including but not limited to grant and cooperative

agreement applications and contract proposals for research projects and for research and training activities in areas relevant to biological chemistry, biophysics and cell biology, drug discovery and development, devices and detection systems, biomaterials, delivery systems and nanotechnology, computational biology, imaging and data mining, genes, genomes and genetics, environmental monitoring, and basic translational oncology. During this reporting period the committee reviewed 697 applications requesting \$984,662,789.00.

20b. How does the Committee balance its membership?

The members of this committee are authorities knowledgeable in the various disciplines and fields relating to biological chemistry, biophysics and cell biology, drug discovery and development, devices and detection systems, biomaterials, delivery systems and nanotechnology, computational biology, imaging and data mining, genes, genomes and genetics, environmental monitoring, and basic translational oncology.

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

The committee held 9 meetings during this reporting period.

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

This committee will be composed of recognized biomedical and/or behavioral research authorities who represent the forefront of research and technical knowledge and who provide first-level merit review of highly scientific and technical research grant application and contract proposals. These evaluation and recommendations cannot

be obtained from other sources because the specialized, complex nature of the applications and proposals requires a unique balance and breadth of experience not available on the NIH staff or from other established sources.

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

The meetings of the committee were closed to the public for the review of grant applications. Sections 552b(c)(4) and 552b(c)(6) of the Government in the Sunshine Act permit the closing of meetings where discussion could reveal confidential trade secrets or commercial property such as patentable material and personal information, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

21. Remarks

This committee did not produce any public reports during the fiscal year. Due to the assignment of responsibilities within the Center, the roles of the committee designated federal official and committee decision maker are filled by the same individual. Drs. Forest White and Pinar Zorlutuna were reassigned to the role of chairperson during the fiscal year. Drs. Dana Spence (7/1/2019-6/30/2023) and Laura Suggs (7/1/2019-6/30/2023) were inadvertently omitted from the 2019, 2020, 2021 and 2022 reports. Due to the large number of members serving on this committee, NIH staff are unable to provide additional information on Occupation or Affiliation. Additional information on an individual's affiliation may be obtained by contacting the designated federal officer listed in this report. Zip Codes: Due to the large number of members associated with this committee, NIH staff are unable to provide

individual zip codes for all members. Current individual meeting rosters, including zip codes are available online at <https://public.csr.nih.gov/IRGs#IMST>. In general, initial/integrated review group (IRG) members serve up to six years, which is documented in the Members list. The permanent membership of this IRG may be supplemented at any meeting with temporary members who have experience or expertise in the disciplines and fields related to the IRG's function and are appointed to review some or all of the applications considered at that meeting. Therefore, the Members list reflects meeting dates, not appointment start and end dates for these members. While only one meeting date is listed as an appointment start and end date, an IRG temporary member may have attended several meetings throughout the fiscal year. Meeting rosters, including members' affiliations and zip codes are available online at <https://public.era.nih.gov/pubroster/>.

Designated Federal Officer

Ray Jacobson Director, Division of Basic and Integrative Biological Sciences

Committee Members	Start	End	Occupation	Member Designation
An, Hongyu	04/29/2021	06/30/2024	Associate Professor	Peer Review Consultant Member
Bailey, Ryan	07/20/2021	06/30/2025	Professor	Peer Review Consultant Member
Beatty, Kimberly	07/01/2020	06/30/2024	Associate Professor	Peer Review Consultant Member
Burdette, Joanna	07/01/2020	06/30/2024	Professor	Peer Review Consultant Member
Chaumeil, Myriam	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Chen, Min	07/01/2023	06/30/2027	Professor	Peer Review Consultant Member

Chen, Weiqiang	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
De Figueiredo, Paul	07/01/2022	06/30/2026	Research Assistant Professor	Peer Review Consultant Member
Domenech, Maribella	07/01/2021	06/30/2027	Professor	Peer Review Consultant Member
Ebong, Eno	07/01/2022	06/30/2028	Professor	Peer Review Consultant Member
Evans, Conor	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Fabris, Daniele	07/01/2020	06/30/2024	Professor	Peer Review Consultant Member
Fernandez-Granda, Carlos	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Fox, Peter	04/29/2021	06/30/2024	Vice Chair for Research and Research Education	Peer Review Consultant Member
Freedman, Benjamin	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Freytes, Donald	07/01/2023	06/30/2029	Associate Professor	Peer Review Consultant Member
Gerber, Scott	07/01/2020	06/30/2024	Professor	Peer Review Consultant Member
Goldsmith, Randall	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
Grayson, Warren	07/01/2020	06/30/2024	Associate Professor	Peer Review Consultant Member
Guo, Ying	04/29/2021	06/30/2024	Professor	Peer Review Consultant Member
Habeck, Christian	07/01/2022	06/30/2026	Research Professor	Peer Review Consultant Member
Hackel, Benjamin	07/01/2020	06/30/2024	Associate Professor	Peer Review Consultant Member
Hall, Adam	07/01/2022	06/30/2026	Professor	Peer Review Consultant Member
Hammond, Ming	07/01/2023	06/30/2029	Professor	Peer Review Consultant Member

Hernandez-Garcia, Luis	07/01/2021	06/30/2025	Research Professor	Peer Review Consultant Member
Huang, Susie	07/01/2021	06/30/2025	Assistant Professor	Peer Review Consultant Member
Jacob, Mathews	07/01/2023	06/30/2026	Professor	Peer Review Consultant Member
Jones, Lisa	07/01/2020	06/30/2026	Associate Professor	Peer Review Consultant Member
Kelly, Kimberly	07/01/2020	06/30/2024	Professor	Peer Review Consultant Member
Krapf, Diego	07/01/2023	06/30/2029	Professor	Peer Review Consultant Member
Kuceyeski, Amy	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
Kurt, Mehmet	07/01/2023	06/30/2027	Assistant Professor	Peer Review Consultant Member
Lakadamyali, Melike	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Leonard, Joshua	07/01/2020	06/30/2024	Associate Professor	Peer Review Consultant Member
Li, Lexin	08/02/2023	06/30/2027	Professor	Peer Review Consultant Member
McCain, Megan	07/01/2022	06/30/2026	Professor	Peer Review Consultant Member
McGrath, James	07/01/2023	06/30/2027	Professor	Peer Review Consultant Member
Min, Wei	07/01/2021	06/30/2025	Professor	Peer Review Consultant Member
Mosley, Amber	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Oz, Gulin	07/01/2022	06/30/2025	Associate Professor	Peer Review Consultant Member
Palecek, Sean	07/01/2020	06/30/2024	Professor	Peer Review Consultant Member
Pitteri, Sharon	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member

ROBINSON, RENA	07/01/2018	06/30/2024	ASSOCIATE PROFESSOR	Peer Review Consultant Member
Reinhard, Bjoern	07/01/2021	06/30/2025	Professor	Peer Review Consultant Member
Ruotolo, Brandon	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
Sanchez, Laura	07/01/2022	06/30/2028	Professor	Peer Review Consultant Member
Sant, Shilpa	07/01/2020	06/30/2024	Associate Professor	Peer Review Consultant Member
Schiavinato Eberlin, Livia	07/01/2022	06/30/2028	Associate Professor	Peer Review Consultant Member
Schultz, Zachary	07/01/2023	06/30/2027	Professor	Peer Review Consultant Member
Shu, Xiaokun	07/01/2023	06/30/2027	Professor	Peer Review Consultant Member
Singh, Ankur	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Singh, Vikas	07/01/2022	06/30/2025	PROFESSOR	Peer Review Consultant Member
St-Pierre, Francois	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
Styner, Martin	04/29/2021	06/30/2024	Associate Professor	Peer Review Consultant Member
Tanifum, Eric	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
Ting, Angela	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Wang, Lei	04/29/2021	06/30/2024	Professor	Peer Review Consultant Member
Wang, Rong	07/01/2023	06/30/2027	Professor	Peer Review Consultant Member
Wang, Yalin	07/01/2022	06/30/2026	Professor	Peer Review Consultant Member
Wang, Yuhong	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member

Wang, Zhong	07/01/2022	06/30/2028	Assistant Professor	Peer Review Consultant Member
White, Forest	07/01/2019	06/30/2025	Professor	Peer Review Consultant Member
Wu, Yu-Chien	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Yu, Yonghao	07/01/2019	06/30/2025	Associate Professor	Peer Review Consultant Member
Zinn, Kurt	08/08/2023	06/30/2027	Professor and Director	Peer Review Consultant Member
Zorlutuna, Pinar	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member

Number of Committee Members Listed: 66

Narrative Description

NIH's mission is to seek fundamental knowledge about the nature and behavior of living systems and the application of that knowledge to enhance health, lengthen life, and reduce illness and disability. NIH works toward that mission by supporting the research of non-Federal scientists in universities, medical schools, hospitals, and research institutions throughout the country and abroad. Section 492 of the PHS Act states that The Secretary ...shall by regulation require appropriate technical and scientific peer review of (A) applications...; and (B) biomedical and behavioral research and development contracts...

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

Checked if
Applies

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

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

NIH supported basic and clinical research accomplishments often take many years to unfold into new diagnostic tests and new ways to treat and prevent diseases.

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

5,699

Number of Recommendations Comments

Grant Review

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

0%

% of Recommendations Fully Implemented Comments

The mission of the Center for Scientific Review is to provide the funding Institutes and Centers of NIH with the scientific and technical merit of research grant applications submitted to the NIH. It is these Institutes or Centers and their advisory councils that

make funding decisions. NIH Peer Review Committees are involved in the initial review of research grant applications. The NIH dual peer review system is mandated by statute in accordance with section 492 of the Public Health Service Act. The charge to this committee is to determine scientific and technical merit of the individual grants or contracts. These recommendations are forwarded to Federal officials who generally accept the committee's recommendations and favorable applications are then forwarded for the second level of review performed by Institute and Center (IC) National Advisory Councils or Boards. Only applications that are favorably recommended by both the initial peer review committee and the Advisory Council may be funded.

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

0%

% of Recommendations Partially Implemented Comments

The mission of the Center for Scientific Review is to provide the funding Institutes and Centers of NIH with the scientific and technical merit of research grant applications submitted to the NIH. It is these Institutes or Centers and their advisory councils that make funding decisions. NIH Peer Review Committees are involved in the initial review of research grant applications. The NIH dual peer review system is mandated by statute in accordance with section 492 of the Public Health Service Act. The charge to this committee is to determine scientific and technical merit of the individual grants or contracts. These recommendations are forwarded to Federal officials who generally accept the committee's recommendations and favorable applications are then forwarded for the second level of review performed by Institute and Center (IC) National Advisory Councils or Boards. Only applications that are favorably recommended by both the initial peer review committee and the Advisory Council may be funded.

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

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

Information resulting from closed initial peer review meetings is subject to the Freedom of Information Act. The public can view information on research projects funded by NIH on the RePORT (Research Portfolio Online Reporting Tool) website located at <http://report.nih.gov>.

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 checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

An action of “approved” or “recommended” for grants receiving initial peer review by this committee does not infer that the grant will be or has been funded. Research grant applications submitted to NIH must go through a two-step review process that includes the initial peer review for scientific and technical merit and a second step of review and approval by a National Advisory Council for program relevance. In addition, prior to an award or funding being made, NIH staff must conduct an administrative review for a number of other considerations. These include alignment with NIH’s funding principles, review of the project budget, assessment of the applicant’s management systems, determination of applicant eligibility, and compliance with public policy requirements. After all these steps have been completed, NIH officials make funding decisions on individual grant applications.

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

Yes

What is the estimated Number of grants reviewed for approval 697

What is the estimated Number of grants recommended for approval 697

What is the estimated Dollar Value of grants recommended for approval \$984,662,789

Grant Review Comments

Grant Review

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

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>

Online Committee Web Site



Online GSA FACA Web Site



Publications



Other



Access Comments

N/A