

# 2025 Current Fiscal Year Report: Molecular, Cellular and Developmental Neuroscience Integrated Review Group

Report Run Date: 08/02/2025 07:45:37 AM

<b>1. Department or Agency</b>		<b>2. Fiscal Year</b>	
Department of Health and Human Services		2025	
<b>3. Committee or Subcommittee</b>		<b>3b. GSA Committee No.</b>	
Molecular, Cellular and Developmental Neuroscience Integrated Review Group		1865	
<b>4. Is this New Fiscal Year?</b>	<b>5. Current Charter</b>	<b>6. Expected Renewal Date</b>	<b>7. Expected Term Date</b>
No	01/03/1994		
<b>8a. Was Terminated During Fiscal Year?</b>	<b>8b. Specific Termination Authority</b>		<b>8c. Actual Term Date</b>
No			
<b>9. Agency Recommendation for Next Fiscal Year</b>	<b>10a. Legislation Req to Terminate?</b>	<b>10b. Legislation Pending?</b>	
Continue	Not Applicable	Not Applicable	
<b>11. Establishment Authority</b> Authorized by Law			
<b>12. Specific Establishment Authority</b>	<b>13. Effective Date</b>	<b>14. Committee Type</b>	<b>14c. Presidential?</b>
42 U.S.C. 282 (b)(16)	11/20/1985	Continuing	No
<b>15. Description of Committee</b> Grant Review Committee			
<b>16a. Total Number of Reports</b>	No Reports for this Fiscal Year		
<b>17a. Open</b>	<b>17b. Closed</b>	<b>17c. Partially Closed</b>	<b>Other Activities</b>
0	0	0	0
<b>17d. Total</b>			
0			
<b>Meetings and Dates</b>			
No Meetings			

	Current FY	Next FY
<b>18a(1). Personnel Pmts to Non-Federal Members</b>	\$0.00	\$0.00
<b>18a(2). Personnel Pmts to Federal Members</b>	\$0.00	\$0.00
<b>18a(3). Personnel Pmts to Federal Staff</b>	\$0.00	\$0.00
<b>18a(4). Personnel Pmts to Non-Member Consultants</b>	\$0.00	\$0.00
<b>18b(1). Travel and Per Diem to Non-Federal Members</b>	\$0.00	\$0.00
<b>18b(2). Travel and Per Diem to Federal Members</b>	\$0.00	\$0.00
<b>18b(3). Travel and Per Diem to Federal Staff</b>	\$0.00	\$0.00
<b>18b(4). Travel and Per Diem to Non-member Consultants</b>	\$0.00	\$0.00
<b>18c. Administrative Costs (FRNs, contractor support, In-person/hybrid/virtual meetings)</b>	\$0.00	\$0.00
<b>18d. Other (all other funds not captured by any other cost category)</b>	\$0.00	\$0.00
<b>18e. Total Costs</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?**

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 is 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 biophysics of neural systems, cellular and molecular biology of glia, cellular and molecular biology of neurodegeneration, molecular neuropharmacology, neurodifferentiation, plasticity, and regeneration, neurogenesis and cell fate neural oxidative metabolism and death, neurotransmitters, receptors, and calcium signaling, and synapses, cytoskeleton and trafficking. During this reporting period the committee reviewed 1,481 applications requesting \$2,241,039,007.00

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

The members of this committee are authorities knowledgeable in the various disciplines and fields relating to biophysics of neural systems, cellular and molecular biology of glia, cellular and molecular biology of neurodegeneration, molecular neuropharmacology, neurodifferentiation, plasticity, and regeneration, neurogenesis and cell fate neural oxidative metabolism and death, neurotransmitters, receptors, and calcium signaling, and synapses, cytoskeleton and trafficking.

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

The committee held 20 meetings during this reporting period.

**20d. Why can't the advice or information this**

**committee provides be obtained elsewhere?**

This committee is 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 applications and contract proposals. These evaluations and recommendations can not be obtained from other sources because the specialized, complex nature of the applications and proposals requires a unique balance and breadth of expertise 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. Drs. Brian Gebelein, Karl Obrietan, Xin Qi, Mathieu Wimmer and Rong Zhai were reassigned to the role of chairperson this fiscal year. The following members' terms ended early: Joshua Berke (6/21/2024), Qian Cai (4/6/2024), Hooman Ghashghaei (12/5/2023), Jeremy Herskowitz (4/11/2024), Vsevolod Katritch (6/21/2024), and Yannick Poitelon (8/12/2024). The following members' terms ended on

5/14/2024: Yuna Ayala, Todd Cohen, Shawn Ferguson, Bess Frost, Li Gan, David Harris, Lindsey Hayes, Myriam Heiman, Timothy Huang, Catherine Cook Kaczorowski, Celeste Karch, Cristian Lasagna-Reeves, Daniel Lee, Edward Lee, Nicole Liachko, Joseph Mazzulli, Subhojit Roy, Sokol Todi, and Amanda Woerman. 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. Due to the larger 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. In general, initial/integrated review group (IRG) members serve up to six years, which is documented in the Members list. Temporary members are individuals recruited based on expertise needed for each meeting. Some temporary members may attend one meeting only while others may attend multiple meetings. Instead of appointment start and end dates, each meeting date on which the temporary member served is identified on the Members list. Meeting rosters, including members' affiliations and zip codes are available online at <https://public.era.nih.gov/pubroster/>.

### **Designated Federal Officer**

DELIA OLUFOKUNBI SAM DIRECTOR,  
DIVISION OF NEUROSCIENCE,  
DEVELOPMENT AND AGING

<b>Committee Members</b>	<b>Start</b>	<b>End</b>	<b>Occupation</b>	<b>Member Designation</b>
Andrabi, Shaida	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Bachstetter, Adam	07/01/2022	06/30/2025	Associate Professor	Peer Review Consultant Member

Bhattacharyya, Anita	07/01/2023	06/30/2027	Assistant Professor	Peer Review Consultant Member
Bianchi, Laura	07/01/2019	06/30/2025	Professor	Peer Review Consultant Member
Boateng, Comfort	07/01/2024	06/30/2028	Assistant Professor	Peer Review Consultant Member
Burton, Michael	07/29/2023	06/30/2027	Assistant Professor	Peer Review Consultant Member
Butler, Samantha	07/01/2022	06/30/2026	Professor	Peer Review Consultant Member
Calipari, Erin	07/01/2021	06/30/2025	Assistant Professor	Peer Review Consultant Member
Carrillo, Robert	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Cervantes-Sandoval, Isaac	07/01/2024	06/30/2028	Assistant Professor	Peer Review Consultant Member
Chen, Yao	07/01/2024	06/30/2028	Assistant Professor	Peer Review Consultant Member
Chung, Hee Jung	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Coleman, Leon	07/01/2022	06/30/2028	Assistant Professor	Peer Review Consultant Member
Collins, Catherine	07/01/2022	06/30/2026	Associate Professor	Peer Review Consultant Member
Coufal, Nicole	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Coutinho-Budd, Jaeda	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
Creed, Meaghan	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Crocker, Stephen	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Cruz-Martin, Alberto	07/10/2023	06/30/2027	Assistant Professor	Peer Review Consultant Member
Dagda, Ruben	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member

Davis, Marie	07/01/2023	06/30/2027	Assistant Professor	Peer Review Consultant Member
De Marco Garcia, Natalia	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Dickson, Eamonn	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Farah, Mohamed	07/01/2019	06/30/2025	Associate Professor	Peer Review Consultant Member
Fossati, Silvia	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Frank, Carl	07/01/2023	06/30/2026	Associate Professor	Peer Review Consultant Member
Gandhi, Sunil	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Garcia, Anna Denise	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Gebelein, Brian	07/01/2022	06/30/2026	Associate Professor	Peer Review Consultant Member
Giger, Roman	07/01/2022	06/30/2026	Professor	Peer Review Consultant Member
Green, Kim	07/01/2023	06/30/2027	Professor	Peer Review Consultant Member
Guemez Gamboa, Alicia	07/01/2023	06/30/2027	Assistant Professor	Peer Review Consultant Member
Hammarlund, Marc	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Hardwick, J. Marie	07/01/2021	06/30/2025	Professor and Vice Chair of Research	Peer Review Consultant Member
Harwell, Corey	07/01/2019	06/30/2025	Assistant Professor	Peer Review Consultant Member
He, Congcong	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Huang, Jeffrey	07/01/2022	06/30/2026	Associate Professor	Peer Review Consultant Member
Huang, Yanhua	07/12/2023	06/30/2027	Associate Professor	Peer Review Consultant Member

Ihrie, Rebecca	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Jaworski, Alexander	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Jordan, Bryen	07/01/2019	06/30/2025	Associate Professor	Peer Review Consultant Member
Kaczocha, Martin	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Karkhanis, Anushree	07/01/2023	06/30/2027	Assistant Professor	Peer Review Consultant Member
Kellendonk, Christoph	07/01/2022	06/30/2028	Associate Professor	Peer Review Consultant Member
Kim, Jun	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Kim, Seonhee	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Kordula, Tomasz	07/01/2022	06/30/2026	Professor	Peer Review Consultant Member
Kratsios, Paschalis	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
Kwan, Kenneth	07/01/2023	06/30/2025	Associate Professor	Peer Review Consultant Member
Liao, Francesca-Fang	07/01/2021	06/30/2025	Professor and Vice Chair	Peer Review Consultant Member
Linseman, Daniel	07/01/2023	06/30/2027	Professor	Peer Review Consultant Member
Luo, Yu	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Maher, Pamela	07/01/2020	06/30/2026	Senior Staff Scientist	Peer Review Consultant Member
Maletic-Savatic, Mirjana	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Martin, Donna	07/01/2023	06/30/2027	Professor and Chair	Peer Review Consultant Member
Martinowich, Keri	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member



Mastroeni, Diego	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Ming, Guo-li	07/01/2022	06/30/2026	Professor	Peer Review Consultant Member
Mishra, Anusha	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Mokalled, Mayssa	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Molofsky, Anna	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
More, Swati	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Morfini, Gerardo	07/01/2021	06/30/2027	Associate Professor	Peer Review Consultant Member
Nakamura, Ken	07/01/2022	06/30/2026	Associate Professor	Peer Review Consultant Member
Novitch, Bennett	07/01/2019	06/30/2025	Professor	Peer Review Consultant Member
Obrietan, Karl	07/01/2022	06/30/2026	Professor	Peer Review Consultant Member
Ortinski, Pavel	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Paez, Pablo	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Pan, Ping-Yue	07/01/2023	06/30/2025	Assistant Professor	Peer Review Consultant Member
Paradis, Suzanne	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Park, Kevin Kyung	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Pekkurnaz, Gulcin	07/01/2024	06/30/2028	Assistant Professor	Peer Review Consultant Member
Popko, Brian	07/01/2021	06/30/2025	Professor	Peer Review Consultant Member
Puthenveedu, Manojkumar	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member

Qi, Xin	07/01/2022	06/30/2026	Professor	Peer Review Consultant Member
Raab-Graham, Kimberly	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Ran, Qitao	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Rangaraju, Srikant	07/01/2022	06/30/2026	Associate Professor	Peer Review Consultant Member
Ribelayga, Christophe	07/01/2023	06/30/2027	Professor	Peer Review Consultant Member
Riccomagno, Martin	07/01/2021	06/30/2025	Assistant Professor	Peer Review Consultant Member
Ringstad, Niels	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Robison, Alfred	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Sanders, Laurie	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Sanz-Clemente, Antonio	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Shelly, Maya	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Shepherd, Jason	07/01/2023	06/30/2025	Associate Professor	Peer Review Consultant Member
Sloan, Steven	07/01/2024	06/30/2028	Assistant Professor	Peer Review Consultant Member
Smith, Katharine	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Song, Juan	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Streicher, John	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Thomas, Gareth	07/01/2024	06/30/2028	Associate Professor	Peer Review Consultant Member
Tracy, Tara	07/01/2023	06/30/2026	Assistant Professor	Peer Review Consultant Member

Tsunoda, Susan	08/07/2020	06/30/2026	Professor	Peer Review Consultant Member
Tzingounis, Anastasios	08/07/2020	06/30/2026	Professor	Peer Review Consultant Member
Vargas, Marcelo	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
Vasudevan, Anju	07/01/2021	06/30/2025	Scientific Director	Peer Review Consultant Member
Venkatachalam, Kartik	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Wadiche, Jacques	07/01/2023	06/30/2027	Professor	Peer Review Consultant Member
Watters, Jyoti	07/01/2021	06/30/2025	Professor and Associate Chair	Peer Review Consultant Member
Wei, Shuo	07/01/2022	06/30/2026	Associate Professor	Peer Review Consultant Member
Williams, Megan	07/01/2022	06/30/2026	Associate Professor	Peer Review Consultant Member
Wimmer, Mathieu	07/01/2022	06/30/2026	Assistant Professor	Peer Review Consultant Member
Winckler, Bettina	07/01/2024	06/30/2028	Professor	Peer Review Consultant Member
Wojtovich, Andrew	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member
Wood, Teresa	07/01/2019	06/30/2025	Professor	Peer Review Consultant Member
Xiong, Yulan	07/01/2023	06/30/2027	Assistant Professor	Peer Review Consultant Member
Xue, Mingshan	07/01/2021	06/30/2027	Assistant Professor	Peer Review Consultant Member
Yao, Yao	07/01/2022	06/30/2026	Associate Professor	Peer Review Consultant Member
Zhai, Rong	07/01/2020	06/30/2026	Professor	Peer Review Consultant Member
Zhao, Liqin	07/01/2023	06/30/2027	Associate Professor	Peer Review Consultant Member

Zheng, Sika	07/01/2021	06/30/2025	Associate Professor	Peer Review Consultant Member
Zhou, Min	07/01/2022	06/30/2026	Associate Professor	Peer Review Consultant Member
Zhu, Yongling	07/01/2023	06/30/2026	Assistant Professor	Peer Review Consultant Member

**Number of Committee Members Listed: 113**

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

### Outcome Comments

NA

**What are the cost savings associated with this committee?**

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

**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?**

39,334

**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

☐

### 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

What is the estimated **Number** of grants recommended for 1,481

approval 1,481

What is the estimated **Dollar Value** of grants recommended for approval

\$2,241,039,007

### Grant Review Comments

Grant Review

### 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