

2021 Current Fiscal Year Report: Board of Scientific Counselors for Basic Sciences, National Cancer Institute

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|---|------------------------------|
| 1. Department or Agency | 2. Fiscal Year |
| Department of Health and Human Services | 2021 |
| 3. Committee or Subcommittee | 3b. GSA Committee No. |

| | |
|--|-------|
| Board of Scientific Counselors for Basic Sciences, National Cancer Institute | 25160 |
|--|-------|

| | | | |
|------------------------------------|---------------------------|---------------------------------|------------------------------|
| 4. Is this New Fiscal Year? | 5. Current Charter | 6. Expected Renewal Date | 7. Expected Term Date |
| No | 09/27/2005 | | |

| | | |
|---|---|-----------------------------|
| 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? |
| Merge | Not Applicable | Not Applicable |

11. Establishment Authority Authorized by Law

| | | | |
|---|---------------------------|---------------------------|---------------------------|
| 12. Specific Establishment Authority | 13. Effective Date | 14. Committee Type | 14c. Presidential? |
| 42 USC 284(c)(3) | 11/04/1988 | Continuing | No |

15. Description of Committee Other Committee

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

17a. Open 0 **17b. Closed** 1 **17c. Partially Closed** 0 **Other Activities** 0 **17d. Total** 1

Meetings and Dates

| Purpose | Start | End |
|---|------------|------------|
| Peer Review of Intramural Laboratories/Programs | 11/09/2020 | 11/09/2020 |

Number of Committee Meetings Listed: 1

| | Current FY | Next FY |
|---|--------------|---------|
| 18a(1). Personnel Pmts to Non-Federal Members | \$6,600.00 | \$0.00 |
| 18a(2). Personnel Pmts to Federal Members | \$0.00 | \$0.00 |
| 18a(3). Personnel Pmts to Federal Staff | \$350,632.00 | \$0.00 |
| 18a(4). Personnel Pmts to Non-Member Consultants | \$4,400.00 | \$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 | \$361,632.00 | \$0.00 |
| 19. Federal Staff Support Years (FTE) | 3.30 | 0.00 |

20a. How does the Committee accomplish its purpose?

This Committee was composed of recognized biomedical and/or behavioral research authorities who represent the forefront of research and technical knowledge and who provide evaluation and peer review of Institute laboratories and staff scientists in the Center for Cancer Research.

20b. How does the Committee balance its membership?

The Board consisted of up to thirty members, including the Chair, appointed by the Director,

NCI, from authorities knowledgeable in the fields of laboratory, clinical and biometric research; clinical cancer treatment; cancer etiology; and cancer prevention and control with emphasis on training and experience in the various disciplines and fields related to scientific areas relevant to carcinogenesis; cancer biology and diagnosis; cancer chemotherapy; cancer epidemiology, cancer education; cancer information services; biological, chemical and physical carcinogenesis; DNA repair; tumor biology and immunology; humoral and cellular immunity; hematopoiesis; cell differentiation and transformation; oncogenes and growth factors; cell signaling; molecular and structural biology; genetic regulation; genetics; genomics; proteomics; viral oncology; vaccine development; transplantation; chemotherapy; pharmacology; drug development and developmental therapeutics; genetic and immunotherapies; pathology; diagnostic research and cytogenetics; biological response modifiers; imaging; survey research; biostatistics; psychology and behavioral medicine; public health and community oncology; cancer detection and diagnosis; cancer treatment and restorative care; nutrition; education of health professionals; medical oncology; gynecologic oncology; and pediatric oncology.

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

The Board of Scientific Counselors – Basic Sciences held approximately three formal meetings each year for the peer review of intramural laboratories on a rotating basis as required by the PHS Act. The Board met only one time during the FY 2021 reporting period. The BSC for Basic Sciences and BSC for Clinical Sciences and Epidemiology merged into one

committee in December 2020. As such, this committee only met once since it was merged to form the Board of Scientific Counselors, NCI in December 2020. The meeting was held on November 9, 2020. The Board met to discuss the overall program review of all Laboratories and Branches. Special site visit teams met four times to review and evaluate, for the full Board, the programs of individual laboratories, including budget requests, staffing, and program strengths and weaknesses. Site Visit Dates: 10/5/2020 and 11/20/2020.

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

This Board was composed of recognized biomedical and behavioral research authorities from outside the NIH in order to secure unbiased and objective evaluations of intramural research programs. Their recommendations were invaluable because of the complex nature of research in each laboratory requires a unique balance and breadth of expertise not available at NIH or from other established sources. This advice was essential for the effective management of this Institute's intramural research programs.

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

The meetings of this Board were closed to the public for the review, discussion, and evaluation of individual programs and projects conducted by the Divisions including consideration of personnel qualifications and performance, the competence of individual investigators, and similar items, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy. Section 552b(c)(6) of the Government in the Sunshine Act permits the closing of meetings where discussion

could reveal personal information, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

21. Remarks

Other: Scientific and Technical Peer Review.
Reports: This committee did not produce any public reports. Meetings: The Board met only one time during the FY 2021 reporting period. The BSC for Basic Sciences and BSC for Clinical Sciences and Epidemiology merged into one committee in December 2020. As such, this committee only met once since it was merged in December 2020. Members: Since the BSC for Basic Sciences and BSC for Clinical Sciences and Epidemiology merged into one committee in December 2020, the term end dates for all of the current members were changed. As such, all member term end dates are different than what was reported on the FY20 ACR. The Board of Scientific Counselors for Basic Sciences, National Cancer Institute (#25160) merged with the Board of Scientific Counselors for Clinical Sciences and Epidemiology, National Cancer Institute (#86) and the new name is the Board of Scientific Counselors, National Cancer Institute (#86) on 12.16.2020. The DFO and Committee Decision Maker positions were held by the same individual because of the assignment of responsibilities within the Institute.

Designated Federal Officer

Mehrdad M. Tondravi Chief, Institute Review Office

Committee Members Start

End

Occupation

Member
Designation

| | | | | |
|-------------------------|------------|------------|--|--|
| AIKEN, CHRISTOPHER | 11/23/2020 | 12/16/2020 | CORNELIUS VANDERBILT CHAIR AND PROFESSOR, DEPARTMENT OF PATHOLOGY, MICROBIOLOGY, AND IMMUNOLOGY, VANDERBILT UNIVERSITY MEDICAL CENTER | Special Government Employee (SGE) Member |
| CHANDEL, NAVDEEP | 07/06/2020 | 12/16/2020 | DAVID W. CUGELL DISTINGUISHED PROFESSOR, NORTHWESTERN UNIVERSITY | Special Government Employee (SGE) Member |
| GALLOWAY, DENISE | 05/31/2016 | 12/16/2020 | ASSOCIATE DIRECTOR, HUMAN BIOLOGY DIVISION, FRED HUTCHINSON CANCER RESEARCH CENTER | Special Government Employee (SGE) Member |
| IRUELA-ARISPE, LUISA | 09/18/2017 | 12/16/2020 | STEPHEN WALTER RANSON PROFESSOR AND CHAIR, DEPARTMENT OF CELL AND DEVELOPMENTAL BIOLOGY, NORTHWESTERN UNIVERSITY FEINBERG SCHOOL OF MEDICINE | Special Government Employee (SGE) Member |
| JAMESON, STEPHEN | 10/01/2017 | 12/16/2020 | PROFESSOR, DEPARTMENT OF LABORATORY MEDICINE AND PATHOLOGY, CENTER FOR IMMUNOLOGY, UNIVERSITY OF MINNESOTA MEDICAL SCHOOL | Special Government Employee (SGE) Member |
| JINKS-ROBERTSON, SUE | 04/17/2016 | 12/16/2020 | PROFESSOR, DEPARTMENT OF MOLECULAR GENETICS AND MICROBIOLOGY, DUKE UNIVERSITY MEDICAL CENTER | Special Government Employee (SGE) Member |
| JOHNSON, TRACY | 06/09/2019 | 12/16/2020 | PROFESSOR, DEPARTMENT OF MOLECULAR, CELL, AND DEVELOPMENTAL BIOLOGY, UNIVERSITY OF CALIFORNIA, LOS ANGELES | Special Government Employee (SGE) Member |
| JOHNSON, WELKIN | 08/17/2020 | 12/16/2020 | PROFESSOR AND CHAIR, DEPARTMENT OF BIOLOGY, BOSTON COLLEGE | Special Government Employee (SGE) Member |

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|----------------------|------------|------------|---|--|
| KRONENBERG, MITCHELL | 06/23/2019 | 12/16/2020 | PRESIDENT AND SCIENTIFIC DIRECTOR, LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY | Special Government Employee (SGE) Member |
| LAMBERT, PAUL | 05/28/2019 | 12/16/2020 | DIRECTOR, MCARDLE LABORATORY FOR CANCER RESEARCH, UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE AND PUBLIC HEALTH | Special Government Employee (SGE) Member |
| LAM, KIT | 10/01/2017 | 12/16/2020 | PROFESSOR AND CHAIR, DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR MEDICINE, OF HEMATOLOGY AND ONCOLOGY, UC DAVIS COMPREHENSIVE CANCER CENTER, UNIVERSITY OF CALIFORNIA, DAVIS | Special Government Employee (SGE) Member |
| LIMA, CHRISTOPHER | 06/22/2020 | 12/16/2020 | CHAIR, MEMBER, AND PROFESSOR, STRUCTURAL BIOLOGY PROGRAM, SLOAN KETTERING INSTITUTE EDWIN VEDEJS COLLEGIATE | Special Government Employee (SGE) Member |
| MAPP, ANNA | 10/14/2018 | 12/16/2020 | PROFESSOR OF CHEMISTRY, RESEARCH PROFESSOR, DIRECTOR, CANCER BIOLOGY PROGRAM, LIFE SCIENCES INSTITUTE, UNIVERSITY OF MICHIGAN | Special Government Employee (SGE) Member |
| MCMAHON, MARTIN | 10/01/2017 | 12/16/2020 | CUMMING-PRESIDENTIAL ENDOWED CHAIR, DEPARTMENT OF DERMATOLOGY, SENIOR DIRECTOR FOR PRECLINICAL TRANSLATION, HUNTSMAN CANCER INSTITUTE | Special Government Employee (SGE) Member |
| MONTELL, DENISE | 06/23/2019 | 12/16/2020 | ROBERT AND PATRICIA DUGGAN PROFESSOR, UNIVERSITY OF CALIFORNIA, SANTA BARBARA | Special Government Employee (SGE) Member |

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|-------------------|------------|------------|--|--|
| NEWTON, ALEXANDRA | 10/01/2017 | 12/16/2020 | PROFESSOR OF PHARMACOLOGY, CO-DIRECTOR, MOLECULAR PHARMACOLOGY TRACK, UNIVERSITY OF CALIFORNIA, SAN DIEGO | Special Government Employee (SGE) Member |
| OSLEY, MARY ANN | 05/28/2019 | 12/16/2020 | THE VICTOR AND RUBY HANSON SURFACE PROFESSOR IN CANCER EPIGENETICS, THE UNIVERSITY OF NEW MEXICO | Special Government Employee (SGE) Member |
| PAULL, TANYA | 07/06/2020 | 12/16/2020 | BURL G. AND LORENE L. ROGERS CHAIR IN HUMAN HEALTH PROFESSOR, DEPARTMENT OF MOLECULAR GENETICS AND MICROBIOLOGY, THE UNIVERSITY OF TEXAS AT AUSTIN | Special Government Employee (SGE) Member |
| SIMON, M. | 10/01/2017 | 12/16/2020 | PROFESSOR, DEPARTMENT OF CELL AND DEVELOPMENTAL BIOLOGY, UNIVERSITY OF PENNSYLVANIA | Special Government Employee (SGE) Member |
| SONTHEIMER, ERIK | 05/28/2019 | 12/16/2020 | PROFESSOR, RNA THERAPEUTICS INSTITUTE, UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL | Special Government Employee (SGE) Member |
| SPEARMAN, PAUL | 04/17/2016 | 12/16/2020 | ALBERT B. SABIN PROFESSOR AND DIRECTOR, DIVISION OF INFECTIOUS DISEASES, CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER UNIVERSITY DISTINGUISHED PROFESSOR, COLLEGE OF VETERINARY PATHOBIOLOGY, | Special Government Employee (SGE) Member |
| THREADGILL, DAVID | 10/01/2017 | 12/16/2020 | DEPARTMENT OF MOLECULAR AND CELLULAR MEDICINE, TEXAS A&M UNIVERSITY HEALTH SCIENCE CENTER | Special Government Employee (SGE) Member |

Number of Committee Members Listed: 25

The goal of NIH research is to acquire new knowledge to help prevent, detect, diagnose, and treat disease and disability, from the rarest genetic disorder to the common cold. The NIH mission is to uncover new knowledge that will lead to better health for everyone. NIH works toward that mission by conducting research in its own laboratories. Section 402(b)(9) of the Public Health Service Act states that “the Director, NIH...shall assure that research at...the National Institutes of Health is subject to review in accordance with section 492.” Section 492(b) states that the “Director of NIH shall establish procedures for periodic technical and scientific peer review of research at the National Institutes of Health. The mission of the Board of Scientific Counselors is to assess the quality of the Institute’s intramural research programs and to evaluate the productivity and performance of intramural scientists and shall also, as requested by the Director, NIH, undertake peer review of extramural funding applications as required by section 492 of the Public Health Service Act, as amended.”

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 checked="" 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 | <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?

Number of Recommendations Comments

All the Laboratories/Branches reviewed in this fiscal year were either continued, expanded or closed. Continued means that there is not a change in scientific priorities or a decrease in the resources allocated to the laboratory/branch. Expanded means that the scientific priorities may be/are increased and thus an increase in resources are allocated to the laboratory/branch. Closed means that the scientific priorities are ended and the resources allocated to the laboratory/branch are decreased, i.e., towards closing the laboratory/branch.

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

90%

% of Recommendations Fully Implemented Comments

The percentage of recommendations implemented stated above was developed at the time the Annual Comprehensive Review report was prepared. Additional information is available through the RePORT (Research Portfolio Online Reporting Tool) website. RePORT provides access to reports, data, and analyses of NIH research activities that advance the mission of the NIH, including information on NIH expenditures, strategic plans, reports on NIH funding, and reports on the organization and people involved in NIH research and research training. The RePORT website is located at <http://report.nih.gov>.

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

10%

% of Recommendations Partially Implemented Comments

The percentage of recommendations implemented stated above was developed at the time the Annual Comprehensive Review report was prepared. Additional information is available through the RePORT (Research Portfolio Online Reporting Tool) website. RePORT provides access to reports, data, and analyses of NIH research activities that advance the mission of the NIH, including information on NIH expenditures, strategic plans, reports on NIH funding, and reports on the organization and people involved in NIH research and research training. The RePORT website is located at <http://report.nih.gov>.

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 Board of Scientific Counselors meetings is subject to the Freedom of Information Act. The public can view information on NIH Intramural Research Reports found on the NIH Intramural Research Sourcebook website located at <https://oir.nih.gov/sourcebook/intramural-research-communications-resources/annual-reports-bit>

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 checked="" 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

The Scientific Director and other NIH/NCI officials use the recommendations made by the BSC in evaluating the quality of the intramural research programs including scientific priorities and resources available. As a result, all the Laboratories/Branches reviewed in this fiscal year were either continued, expanded or closed.

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

No

Grant Review Comments

Although grant reviews are included in the duties of this Board, there were no grant reviews performed during this fiscal year.

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 | <input checked="" type="checkbox"/> |
| Online GSA FACA Web Site | <input checked="" type="checkbox"/> |
| Publications | <input type="checkbox"/> |

Other



Access Comments

N/A