

**NATIONAL DEAFNESS AND OTHER COMMUNICATION DISORDERS
ADVISORY COUNCIL**

January 25, 2019

**National Institutes of Health
Bethesda, MD**

MINUTES

The National Deafness and Other Communication Disorders Advisory Council convened on January 25, 2019, at the Neuroscience Center at 6001 Executive Blvd., Conference Room C/D, National Institutes of Health (NIH), Bethesda, MD. Dr. Judith A. Cooper, Acting Director, National Institute on Deafness and Other Communication Disorders (NIDCD), served as Chairperson. In accordance with Public Law 92-463, the meeting was:

Closed: January 25, 2019: 8:30 a.m. to 9:40 a.m. for review of individual grant applications; and

Open: January 25, 2019: 10:00 a.m. to 1:45 p.m., for the review and discussion of program development needs and policy.

Council members in Attendance¹:

Dr. John Carey	Ms. Nanci Linke-Ellis
Mr. Richard Einhorn	Dr. Cynthia Morton
Dr. Susan Ellis-Weismer	Dr. Christoph Schreiner
Dr. Judith Gierut	Dr. Neil Segil
Dr. Sandra Gordon-Salant	Dr. H. Steven Sims
Dr. Robert Hillman	Dr. Donald Wilson
Dr. Sue Kinnamon	Dr. Charlotte Yeh
Dr. M. Charles Liberman	Dr. Fan-Gang Zeng

Council members absent:

Ms. Lisa Adams Dr. Sarah Blackstone

Council ex-officio members in Attendance:

Dr. Martin Robinette for Dr. LaKeisha Henry
Dr. Judy Schaffer for Dr. Lucille Beck

The complete Council roster is found in Appendix 1.

¹For the record, it is noted that members absent themselves from the meeting when the Council is discussing applications (a) from their respective institutions or (b) in which a real or apparent conflict of interest might occur. This procedure applies only to individual discussion of an application and not to "en bloc" actions.

NIDCD employees present during portions of the meeting:

Dr. Kathy Bainbridge	Ms. Kristin Mullsteff
Dr. Laura Cole	Mr. Eddie Myrbeck
Dr. Judith Cooper	Mr. Christopher Myers
Dr. Janet Cyr	Mr. Eric Nunn
Ms. Susan Dambruskas	Dr. Amy Poremba
Mr. Hoai Doan	Ms. Lisa Portnoy
Ms. Tricia Fitzgerald	Dr. Bobby Ray
Dr. Nancy Freeman	Dr. Alberto Rivera-Rentas
Ms. Maria Garcia	Dr. Elka Scordalakes
Dr. Andrew Griffith	Dr. Lana Shekim
Mr. Howard Hoffman	Dr. Kathy Shim
Ms. Debbie Holmes	Dr. Sheo Singh
Ms. LaTonya Holmes	Ms. Nanette Stephenson
Dr. Craig Jordan	Dr. Melissa Stick
Dr. Kelly King	Dr. Susan Sullivan
Dr. Eliane Lazar- Wesley	Dr. Bracie Watson
Dr. Chuan-Ming Li	Ms. Ginger Webb
Ms. Lonnie Lisle	Mr. Timothy Wheelles
Dr. Trinh Ly	Mr. Eric Williams
Ms. Laura Mannella	Mr. Baldwin Wong
Dr. Castilla McNamara	Dr. Shiguang Yang
Ms. Phalla Messina	Dr. Lisa Yuan
Dr. Roger Miller	

Other federal employees present during portions of the meeting:

Dr. Biao Tian, CSR
Dr. Wind Cowles, CSR

Members of the public present during open portions of the meeting:

Dr. Christopher Platt
Ms. Susan Lott, American Speech-Language-Hearing Association
Ms. Jen McCulley, IQ Solutions
Ms. Barbara Kelley, Hearing Loss Association of America
Ms. Donna Sorkin, American Cochlear Implant Society
Ms. Deborah Outlaw, American Tinnitus Association

CLOSED SESSION

I. Call to Order and Opening Remarks Dr. Judith A. Cooper

The meeting was called to order by Dr. Cooper, Acting Director, NIDCD, who expressed appreciation to the entire Council for their service and advice.

II. Council Procedures..... Dr. Craig A. Jordan

Procedural Matters

Dr. Jordan discussed important procedural matters, including requirements imposed by the Government in the Sunshine Act and the Federal Advisory Committee Act. The necessity of members to avoid conflict of appearance thereof was stressed, as was the need to maintain confidentiality concerning the proceedings and materials related to the closed portion of the meeting. Dr. Jordan announced that the Council meeting would be closed for consideration of grant applications during the morning session, but would be open to the public at approximately 9:40 a.m.

III. Council Consideration of Pending Applications

A. Research Project Grant Awards

1. Consideration of Applications: On the Council's agenda was a total of 115 investigator-initiated R01 grant applications; 100 applications had primary assignment to NIDCD, in the amount of \$36.3 million first-year direct costs. It is anticipated that, of the applications competing at this Council, NIDCD will be able to award grants to R01 applications scoring up through the 14th percentile.

B. Special Programs Actions

1. Ruth L. Kirschstein NRSA Institutional Research Training Grant (T32): The Council recommended support of five applications.
2. Ruth L. Kirschstein NRSA Short-Term Institutional Research Training Grant (T35): The Council recommended support of one application.
3. NIH Mentored Research Scientist Development Award (K01): The Council recommended support of two applications.
4. NIH Research Career Enhancement Award for Established Investigators (K18): The Council recommended support of one application.
5. NIH Support for Conferences and Scientific Meetings (R13): The Council recommended support of five applications.
6. Academic Research Enhancement Awards (AREA) (R15): The Council recommended support of three applications.
7. NIH Exploratory/Development Research Grant Award (R21): The Council recommended support of seven applications.
8. NIDCD Early Career Research (ECR) Award (R21): The Council recommended support of nine applications.
9. NIH Small Business Technology Transfer (STTR) Phase I (R41): The Council

recommended support of one application.

10. NIH Small Business Innovation Research Awards (SBIR): The Council recommended support of two Phase I (R43) applications.

11. NIH Small Business Innovation Research Awards (SBIR): The Council recommended support of two Phase II (R44) applications.

OPEN SESSION

IV. Opening Remarks Dr. Cooper

Dr. Cooper welcomed additional staff and visitors to the open session of the meeting.

Recognition of New Members

Our newest member from the Department of Defense, Dr. LaKeisha Henry, is an otolaryngologist and a Colonel in the United States Air Force. Dr. Henry leads the Center for Hearing Excellence for the Department of Defense as it executes the Congressionally-directed mission to optimize operational effectiveness, heighten medical readiness and enhance quality of life for Service members and Veterans through collaborative leadership and advocacy for hearing and balanced health initiatives. Dr. Henry is unable to join us today and she sent her alternate to this meeting Dr. Martin Robinette, the Army Liaison to the DoD Hearing Center of Excellence. Dr. Robinette is also an audiologist involved in supporting the mission of the Hearing Center of Excellence in the areas of prevention, research, clinical care and informatics and ensuring that the initiatives, programs, products, and best practices of the Center are in the best interests of and communicated to the Army.

Consideration of Minutes of the Meeting of September 7, 2018

Dr. Cooper called the members' attention to the minutes of the September 7, 2018 meeting of the Advisory Council. The minutes were approved as written.

Confirmation of Dates for Future Council Meetings

Dates for the Council meetings through September 2020 have been established. A list of these meetings was distributed to the Council members and posted on the web site prior to this meeting. The next meeting of the Council is scheduled for Friday, May 17, 2019.

V. Report on the NIDCD Budget Mr. Eric Williams

NIDCD's Budget Officer, Mr. Eric Williams, presented information on the current and previous fiscal year. He shared that the enacted budget for FY 2019 represents a 3.38% (\$15.5M) increase over the enacted budget for FY 2018. He stated that the budget details for fiscal year 2019 are embargoed until cleared by the Office of Management and Budget. He also stated that a small fraction of the funds from FY 2018 budget was recalled by the Department for other pressing needs and expects that the same will happen in FY 2019.

[A copy of the slides Mr. Williams used for this budget presentation is included in Appendix 2]

VI. Hearing in a World of Light: Why, Where, and How Auditory andDr. Jennifer Groh Visual Information Interact in the Brain

Dr. Jennifer Groh is a member of the Core Faculty at the Center for Cognitive Neuroscience at Duke University. Research in her laboratory examines how sensory and motor systems work together, and how neural representations play a combined role in sensorimotor and cognitive processing. Her work concerns the interactions between vision and hearing. We

invited her to speak today on the topic, “Hearing in a world of light: why where and how auditory and visual information interact with the brain.” Dr. Groh provided the following abstract describing her presentation.

No sensory system is an island. The auditory and visual systems work together to provide information about the nature of the events occurring in the environment. I will talk about why they do this, where in the brain it happens, and how the brain performs the necessary computations to achieve it. I will emphasize the following general insights: 1. Interactions between sensory systems occur at the earliest possible point in the auditory pathway, namely, the eardrum. Although the exact mechanism is not yet understood, these findings suggest that visual signals and auditory signals may be linked at the very threshold of the ascending auditory pathway. 2. The brain may use activity fluctuations across time to allow neural populations to represent more than one simultaneous sound. This capacity may compensate for the auditory system’s apparent limitations in how many sounds can be processed at once and allow the brain to link multiple sights and sounds together. Overall, these findings suggest that the brain’s auditory pathway should be thought of as a dynamic and flexible system with early cross talk between senses and rapidly changing signals that enhance its coding capacity.

VII. Report of the Division of Scientific Programs..... Dr. Cooper

Dr. Cooper introduced Dr. Roger Miller to update the Council regarding recent SBIR Commercialization Success Stories.

This presentation gave a brief overview of the purpose, eligibility criteria, and structure of the NIH Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. These congressionally mandated grant programs provide support to US owned companies organized for-profit with less than 500 employees. Phase I awards will provide up to \$250,000 in total costs for projects lasting one year, with the intent that the preliminary data derived from this award will be used to support evaluation of a subsequent, Phase II grant application. The second phase of development, supported by the Phase II grant, should result in a product ready for sale. Phase II awards typically provide near \$1.5 M in total costs over a two-year period. The third phase of development noted for this program is commercialization, e.g. sale of an innovative product by the company.

The NIH-wide website SBIR.NIH.gov has a section devoted to commercialization success stories and currently features an article on EarMachine. This company received a fast-track SBIR award from NIDCD in 2013. The team was able to complete product development during the Phase II project period, and the core innovation was included in the Bose Headphones, first offered to consumers in 2017. Four other success stories derived from NIDCD SBIR grant funding were also described. The audience was encouraged to use the websites projectreporter.nih.gov and sbir.nih.gov to monitor current and future grant awards along with commercialization success stories.

VIII. Report of the Director, Division of Extramural Activities Dr. Jordan

Dr. Jordan presented the “2019 Council Operating Procedures” to the group for a vote noting that there were no changes from the 2018 version. Council endorsed the Operating Procedures for another year. Next, Dr. Jordan segued into a description of three reports presented to the Council on the NIDCD Advisory Council website, 1) Interim Actions, 2) Awarded Competing Grants, and, 3) NIDCD Report: FY 2018 Research Awards. The Interim Actions report shows a variety of changes that Grants Management staff managed for current awards since the last Advisory Council reporting period. He displayed a graph showing the number of actions from May & September 2018 and January 2019. The Awarded Competing Grants report shows by grant mechanism applications, funded since the last Council meeting. These two reports are updated for each meeting. The last report

from the Council website is the report of NIDCD FY 2018 Research Awards which provides a breakdown by programmatic area, for NIDCD grants awarded in FY 2018. Each of these reports provides an update on the work the institute has done over the course of time and serve as a ready information source for members.

Finally, he presented the National Institute on Deafness and Other Communication Disorders Triennial Inclusion Report beginning by presenting background on Inclusion Reporting at the NIH. Dr. Jordan highlighted major pieces of the report and tables. He summarized the report with the following statement: “The NIDCD inclusion data for FY 2016 – 2018 is on par with the trans-NIH data in terms of gender, racial and ethnic distribution. Staff are diligent in monitoring the enrollment projections and the accrual patterns over the life of the grants. NIDCD staff contact investigators to clarify and/or correct accrual data when necessary.” The NIH-wide inclusion data for FY 2016 – 2018 will be available when finalized at https://report.nih.gov/recovery/inclusion_research.aspx. This report was followed by a motion/vote from Council to Endorse the NIDCD Triennial Inclusion Report for 2016 – 2018 which was unanimously endorsed.

IX. NIDCD’s 30th Anniversary: Celebrating Research and..... Ms. Susan Dambrauskas Health Education

Susan Dambrauskas, branch chief of the Office of Health Communication and Public Liaison, provided an overview of the Institute’s communications activities to commemorate NIDCD’s 30th Anniversary and the Noisy Planet campaign’s 10th Anniversary, starting in October 2018. She described the digital campaign to celebrate NIDCD and increase awareness of our mission areas, highlighting the collaborations of three individuals instrumental in establishing the institute. Ms. Dambrauskas described promotional opportunities used to increase awareness of the importance of NIDCD-supported research and outreach in our mission areas. The total outcome of these efforts resulted in more than 31.3 million potential audience interactions across all digital communication channels. In the coming months, podcasts based on interviews with two of the key advocates, will be produced and posted with other anniversary content on the NIDCD website and Twitter account.

Help us expand our impact – Connect with the NIDCD by signing up for NIDCD email news updates at www.nidcd.nih.gov.

X. Council Activities at Other Institutes Dr. Jordan

At the September 2018 Advisory Council meeting, Dr. Judith Cooper asked the Council for feedback on the meeting and points of interest or inquiry. Dr. Jordan highlighted the member’s comments from the September meeting:

- Strong support for the laboratory tours at September meeting.
- Asked about NIH/NIDCD position re: music in science.
- Request for information on SBIR/STTR accomplishments.
- Request for what members of council can do to facilitate/benefit NIDCD.
- Set aside time on Council agenda for members to brainstorm on how to facilitate NIDCD.

Dr. Jordan noted that of the items above, the Music in Science question was answered in September including providing information about a special event held at the Kennedy Center in association with the National Endowment for the Arts called “[Sound Health](#)”. Also, the SBIR/STTR accomplishments were presented by Dr. Miller earlier in this meeting highlighting small business success stories across the mission areas of hearing, balance, voice, speech, language, taste and smell.

Since the last meeting, Dr. Jordan reached out to his Exec Sec colleagues at other Institutes to see what additional activities their Advisory Councils were doing. Other councils have a wide array of activities they perform on behalf of their Institute. Some of those activities are unique to a particular Institute, but the vast majority are done by most Advisory Councils, even if accomplished in slightly different ways. As he relayed the long list of activities done at different Advisory Councils across the NIH, he recounted examples of how the NDCD Advisory Council has performed many of the same or related activities, including:

- Strategic Planning
- Review Scientific Director
- Review Board of Scientific Councilors reports
- Concept Clearance
- Special Council Review of well-funded Investigators
- Review interim Admin. Actions
- Review grant programs
- Receive a large array of reports from investigators, subcommittees, Work Groups, Workshops, etc.
- Calling upon individual Council members based on their unique expertise.

XI. Closing Comments

XII. Adjournment

The meeting was adjourned at 1:45 p.m. on January 25, 2019.

XIII. Certification of Minutes

We certify that, to the best of our knowledge, the foregoing minutes and attachments are accurate and correct².

3/15/2019

/Craig A. Jordan /

Craig A. Jordan, Ph.D.
Executive Secretary
National Deafness and Other Communication
Disorders Advisory Council

3/15/2019

/Judith A. Cooper /

Judith A. Cooper, Ph.D.
Acting Chairman
National Deafness and Other Communication
Disorders Advisory Council

Acting Director
National Institute on Deafness and
Other Communication Disorders

Ginger Webb
Council Assistant
NDCD Advisory Council

² These minutes will be approved formally by the Council at the next meeting on May 17, 2019, and corrections or notations will be stated in the minutes of that meeting.

APPENDICES

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Roster
National Deafness and Other Communication Disorders Advisory Council
(Terms end on 5/31 of the designated year)

Chairperson
Judith A. Cooper, Ph.D. Acting Director
National Institute on Deafness and Other Communication Disorders
Bethesda, MD 20892

ADAMS, Lisa C., J.D. Founding Member and President Massachusetts Hearing Aids for Children Coalition Newton, MA 02458	2020	HILLMAN, Robert E., Ph.D. Co-Director and Research Director Center for Laryngeal Surgery and Voice Rehabilitation at Massachusetts General Hospital and Professor of Surgery: Harvard Medical School Boston, MA 02114	2022
BLACKSTONE, Sarah W., Ph.D. President and CEO Augmentative Communication, Inc. Monterey, CA 93940	2019	KINNAMON, Sue C., Ph.D. Professor Department of Otolaryngology University of Colorado, Denver Aurora, CO 80045	2019
CAREY, John Patrick, M.D. Professor, Department of Otolaryngology – Head and Neck Surgery The Johns Hopkins University School of Medicine Baltimore, MD 21205	2021	LIBERMAN, M. Charles, Ph.D. Director, Eaton-Peabody Laboratory Department of Otology and Laryngology Harvard Medical School Boston, MA 02114	2019
EINHORN, Richard Consultant Einhorn Consulting, LLC New York, NY 10025	2022	LINKE ELLIS, Nanci Specialty Marketing Consultant for Hearing Loss and Vision Impaired Audiences Culver City, CA 90232	2020
ELLIS WEISMER, Susan, Ph.D. Oros-Bascom Professor Department of Communication Sciences and Disorders University of Wisconsin-Madison Madison, WI 53705	2020	MORTON, Cynthia C., Ph. D. William Lambert Richardson Professor of Obstetrics, Gynecology and Reproductive Biology and Professor of Pathology, Harvard Medical School Kenneth J. Ryan, M.D. Distinguished Chair in Obstetrics and Gynecology and Director of Cytogenetics, Brigham and Women’s Hospital Chair in Auditory Genetics, University of Manchester Boston, MA 02115	2022
GIERUT, Judith A., Ph.D. Professor Emerita Department of Speech and Hearing Sciences Program in Cognitive Sciences Indiana University Bloomington, IN 47405	2020	SCHREINER, Christoph, M.D., Ph. D. Professor and Vice Chairman Department of Otolaryngology – Head and Neck Surgery Center for Integrative Neuroscience School of Medicine University of California, San Francisco San Francisco, CA 94158	2019
GORDON-SALANT, Sandra, Ph.D. Director, Doctoral Program in Clinical Audiology University of Maryland College Park, MD 20742	2021		

SEGIL, Neil, Ph.D. Professor of Research Keck School of Medicine University of Southern California Los Angeles, CA 90033	2021	WILSON, Donald A., Ph. D. Senior Research Scientist and Deputy Director Emotional Brain Institute The Nathan S. Kline Institute for Psychiatric Research Professor New York University School of Medicine Orangeburg, NY 10962	2019
SIMS, H. Steven, M.D. Associate Professor and Director Department of Otolaryngology- Head and Neck Surgery University of Illinois Medical Center Chicago, IL 60612	2020	YEH, Charlotte S., M.D. Chief Medical Officer AARP Services, Inc. Washington, DC 20049	2021
		ZENG, Fan-Gang, Ph.D. Professor, Otolaryngology School of Medicine and Director, Center for Hearing Research University of California, Irvine Irvine, CA 92697	2022

Ex Officio

BECK, Lucille B., Ph.D. Director Audiology and Speech Pathology Service Department of Veterans Affairs Washington, DC 20422		AZAR II, Alex M. Secretary Department of Health and Human Services Washington, DC 20201	
HENRY, Kristen L., Ph.D. Audiology Consultant to the Surgeon General Director Audiology and Speech Center Walter Reed National Military Medical Center Bethesda, MD 20889		THEMANN, Christa, M.S. CCC-A Research Audiologist Hearing Loss Prevention Team Division of Applied Research and Technology National Institute for Occupational Safety And Health (NIOSH) Cincinnati, OH 45226	
		COLLINS, Francis S., Ph.D., M.D. Director National Institutes of Health Bethesda, MD 20892	

Executive Secretary

JORDAN, Craig A., Ph.D.
Director, Division of Extramural Activities
National Institute on Deafness and Other
Communication Disorders
Bethesda, MD 20892

NIDCD Council Budget Report

Eric Williams, Budget Officer
NIDCD Advisory Council Meeting
January 25, 2019

National Institute on Deafness and Other Communication Disorders

FY2018 vs FY 2019 Budget

FY 2018:

Enacted

\$458,893,000

FY 2019:

Enacted

\$474,404,000

Delta:

Dollar Increase

\$15,511,000

Percent Increase

3.38%