

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

September 12, 2013

**National Institutes of Health
Bethesda, MD**

MINUTES

The National Deafness and Other Communication Disorders Advisory Council convened on September 12, 2013 in Building 31, Conference Room 6, National Institutes of Health (NIH), Bethesda, MD. Dr. James F. Battey, Jr., Director, National Institute on Deafness and Other Communication Disorders (NIDCD), served as Chairperson. In accordance with Public Law 92-463, the meeting was:

Closed: September 12, 2013: 8:30 a.m. to 10:00 a.m. for review of individual grant applications; and

Open: September 12, 2013: 10:20 a.m. to 1:50 p.m., for the review and discussion of program development needs and policy.

Council members in Attendance¹:

Dr. Lauren Bakaletz	Dr. James Schwob
Dr. Gerald Berke	Dr. Elba Serrano
Ms. Marcia Finisdore	Dr. Robert Shannon
Ms. Tisha Kehn	Dr. Richard Smith
Dr. Paul Manis	Dr. Helen Tager-Flusberg
Dr. Charlotte Mistretta	Dr. Debara Tucci
Dr. David Myers	Dr. Monte Westerfield

Council members absent:

Dr. Joan Kaye	Dr. Tommie Robinson
Dr. Joseph Perkell	Dr. Bevan Yueh

Ex-Officio Members Participating:
None

Ex-Officio Members Not Participating:

Dr. Lucille Beck	Dr. Michael E. Hoffer
Dr. Rick Davis	

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	Dr. Castilla McNamara
Mr. Chris Carlsen	Dr. Roger Miller
Dr. Laura Cole	Mr. Robert Miranda-Acevedo
Dr. Judith Cooper	Mr. Christopher Myers
Dr. Lisa Cunningham	Mr. Edward Myrbeck
Dr. Janet Cyr	Mr. Eric Nunn
Ms. Sherry Dabney	Dr. Christopher Platt
Ms. Susan Dambrauskas	Dr. Kausik Ray
Ms. Lesley DeRenzo	Mr. Chris Rosado
Mr. Hoai Doan	Mr. Scot Ryder
Dr. Amy Donahue	Dr. Lana Shekim
Dr. Nancy Freeman	Dr. Sheo Singh
Ms. Maria Garcia	Dr. Daniel Sklare
Dr. Andrew Griffith	Ms. Nanette Stephenson
Mr. Howard Hoffman	Dr. Melissa Stick
Ms. LaTonya Holmes	Dr. Susan Sullivan
Ms. Debbie Holmes	Dr. Jean Tiong-Koehler
Dr. Gordon Hughes	Dr. Bracie Watson
Mr. Vivek Kamath	Ms. Ginger Webb
Dr. Andrea Kelley	Mr. Timothy Wheelles
Ms. Phalla Keng	Mr. Baldwin Wong
Dr. Lisa Kennedy	Mr. Chad Wysong
Dr. Chuan-Ming Li	Dr. Shiguang Yang
Dr. Christine Livingston	

Other federal employees present during portions of the meeting:

Dr. John Bishop, CSR
Ms. Stephanie Desdunes, OHR
Dr. Rene Etcheberrigaray, CSR
Mr. Kevin Fletcher, OHR
Dr. Lynn Luethke, CSR
Dr. Christine Melchior, CSR
Dr. Weijia Ni, CSR
Ms. Denise Peterson, OHR
Dr. Biao Tian, CSR
Ms. Esther Weiss, OHR

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

Ms. Judy Harrison, A.G. Bell
Ms. June Martin, A.G. Bell
Mr. John Warden, Biovista
Ms. Susan Lotte, ASHA
Ms. Kimberly McGraw, I.Q. Solutions
Ms. Kate Thomas, AAA
Ms. Maureen Corrigan, AAO-HNS

CLOSED SESSION

I. Call to Order and Opening Remarks Dr. James F. Battey, Jr.

The meeting was called to order by Dr. Battey, Director, NIDCD, who expressed appreciation to the entire Council for their service and advice. Ms. Finisdore, Drs. Myers, Serrano, Smith, Tucci and Westerfield were welcomed to the group as new council members with the promise of a more formal introduction in the Open Session.

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 10:30 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 96 investigator-initiated research grant applications; 82 applications had primary assignment to NIDCD, in the amount of \$26.7 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 12th percentile.

B. Special Programs Actions

1. NIH Research Career Enhancement Award for Established Investigators (K18): The Council recommended support of one application.
2. NIH Mentored Patient-Oriented Research Career Development Award (K23): The Council recommended support of three applications.
3. NIH Pathway to Independence (PI) Award (K99): The Council recommended support of one application.
4. NIH Small Grants (R03): The Council recommended support of eight applications.
5. NIH Support for Conferences and Scientific Meetings (R13): The Council recommended support of three applications and co-fund of one dual application.
6. NIH Academic Research Enhancement Awards (AREA) (R15): The Council recommended support of one application.
7. NIH Exploratory/Development Research Grant Award (R21): The Council recommended support of four applications.

8. NIDCD Research Core Centers (P30): The Council recommended support of one application.
9. NIDCD Clinical Research Grant (P50): The Council recommended support of one application.
10. NIH Small Business Technology Transfer Grants (STTR): The Council recommended support of two Phase II (R42) applications.
11. NIH Small Business Innovation Research Awards (SBIR): The Council recommended support of two Phase I (R43) applications.
12. NIH Small Business Innovation Research Awards (SBIR): The Council recommended support of one Phase II (R44) application.
13. RFA-DC-12-004 Improving Access to Hearing Healthcare (SBIR) [R43/R44]: The Council recommended support of one Phase I (R43) application.
14. RFA-DC-13-001 Development of a Vestibular Neural Prosthesis (R01): The Council recommended support for one application.
15. RFA-DC-12-003 NIDCD Research on Hearing Health Care (R21/R33): The Council recommended support for four applications.
16. RFA-NS-13-008 International Traumatic Brain Injury Research Initiative: NIH Cooperative Program for Comparative Effectiveness of Clinical Tools and Therapies (U01): The Council recommended co-fund support for one dual application.
17. RFA-NS-13-014 Pilot Projects on Sports-Related Brain and Spinal Cord Injury (R21): The Council recommended support for one application.
18. Administrative Actions (U24): The Council recommended for-cost extension support of two applications funded through the RFA-DC-11-001 pilot.
19. Special Council Review (R01): The Council recommended support of one SCR application that fell within the R01 payline.

OPEN SESSION

IV. Opening Remarks..... Dr. Battey

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

Recognition of New Members

Dr. Battey welcomed the following new members to the Advisory Council:

- **Ms. Marcia Finisdore** was the owner of Dimensions in Health which provided education and training on hearing loss to various groups and individuals. She received her Masters of Nursing from Villanova University and was on the faculty of Neumann University in Mental Health Nursing. She became interested in advocating for adults and children with hearing loss early in her career after experiencing some hearing loss. Ms. Finisdore has been involved with Hearing Loss Association of America (HLAA) since 1983 in various executive positions, including President. She continues to manage a WIKI site, "Kids and Hearing Loss," for HLAA.

She served as a board member and President of the Deaf Hearing Communication Center, as well as an advocacy agent for populations including AIDS care patients and for obtaining access to jury duty for deaf and hard of hearing people in Delaware County, Pennsylvania. One result is that Ms. Finisdore became the first deaf person to serve on a jury in Pennsylvania. Ms. Finisdore has received many professional and civic awards in recognition of her efforts.

- **Dr. David Myers** is Professor at the Department of Psychology at Hope College. He received his doctoral degree in Psychology from the University of Iowa. His professional interests include research in social psychology and the communication of psychological science to students and the general public. Another of his passions is advocating for people with hearing loss. Dr. Myers is involved in giving voice to people challenged by hearing loss. He created an informational website www.hearingloop.org and has authored many articles. Dr. Myers is devoted to helping people by promoting loop technology where broadcasts public address systems, television and telephone sounds are transmitted directly to hearing aids, doubling their functionality. Dr. Myers has received numerous honors and awards, including the 2011 American Academy of Audiology Presidential Award. He is a member of many professional organizations such as American Psychological Association, is widely published in journals, books, and magazines; and is frequently invited to give talks and lectures.
- **Dr. Elba Serrano** is Regents Professor in the Biology Department at New Mexico State University (NMSU). She received her doctorate in Neuroscience/Biophysics from Stanford University. Her research interests focus on neural regeneration, sensory disorders of hearing and balance, sensory organ formation, and nanobiotechnology. She is an advocate of interdisciplinary research and education and has a special interest in programs that encourage students to pursue advanced degrees in STEM disciplines. Dr. Serrano serves as Director of her university's NIH RISE Program that supports student research training for doctoral degrees. She has trained and/or advised a large number of students at NMSU. Dr. Serrano has received many honors and awards in recognition of her research, teaching, and mentoring accomplishments. She is a member of various professional organizations such as the Society for Neuroscience and the Association for Research in Otolaryngology. Dr. Serrano has published numerous articles, is a frequent peer reviewer, and has made many presentations at national and international meetings.
- **Dr. Richard Smith** is Director of the Iowa Institute of Human Genetics and the Sterba Hearing Research Professor, Department of Otolaryngology- Head and Neck Surgery at the University of Iowa. He received his medical degree from Baylor College of Medicine. In addition to an internship, general surgery residency, and otolaryngology residency, he then completed a clinical fellowship in pediatric otolaryngology at the Hospital for Sick Children in London and a research sabbatical in murine genetics at the MRC Institute of Hearing Research in Nottingham. Dr. Smith's clinical and research interests include complement-mediated renal diseases and deafness. In the area of deafness, his laboratory focuses on both syndromic and non-syndromic types of deafness. Ongoing research involves gene discovery, functional studies and gene therapy experiments using RNA interference to rescue deafness in mouse models of hearing loss. Dr. Smith has received many honors and awards and his publication history is extensive. He has had editorial responsibilities for several journals, has served as a peer reviewer and made presentations at national and international meetings.
- **Dr. Debara Tucci** is Professor in the Division of Otolaryngology, Head and Neck Surgery at Duke University Medical Center. She received her medical degree from the University of Virginia, School of Medicine. Her research interests focus on defining the effects of conductive hearing impairment on the development and function of the central auditory system. The ultimate goal of her research is to understand the impact of hearing loss, such as that associated with otitis media, on the development of auditory function in children. Dr. Tucci has

received many honors and awards. She is involved with several professional organizations such as the American Academy of Otolaryngology Head and Neck Surgery and the Association for Research in Otolaryngology where she served as the 2012 President. Dr. Tucci has made many presentations at national and international meetings. She is published widely, serves on several editorial boards, and contributed as a regular member of the NIDCD's Communication Disorder Review Committee.

- **Dr. Monte Westerfield** is Professor of the Institute of Neuroscience and Department of Biology at The University of Oregon. He received his doctoral degree in physiology and pharmacology from Duke University. His research interests focus on understanding the mechanisms that regulate the differentiation of neurons. Dr. Westerfield is well known for his research with zebrafish in combination with anatomical, physiological, molecular, and genetic techniques; with a goal of understanding the molecular genetics of ear and eye development especially as models of human disease. He is also interested in better understanding the mechanisms that regulate the establishment of specific neuronal cell fates during normal development and what goes wrong during disease. Dr. Westerfield has received numerous awards for his research contributions, served in many editorial roles, and is widely published. He serves on a number of advisory boards and has frequently organized workshops and courses for EMBO, Cold Spring Harbor or Woods Hole.

Consideration of Minutes of the Meeting of May 31, 2013

Dr. Battey called the members' attention to the minutes of the May 31, 2013 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 2015 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, January 24, 2014, in Building 31, Conference Room 6 on the NIH campus, Bethesda, Maryland.

V. Report of the Division of Intramural Research..... Dr. Andrew Griffith

NIH policy requires that the National Advisory Council for each institute review the activities of their respective intramural program once a year. Dr. Andrew Griffith, Scientific Director of NIDCD's Division of Intramural Research (DIR) presented the 2013 report.

Board of Scientific Counselors

Dr. Griffith updated the Council on the membership of the Board of Scientific Counselors (BSC). Dr. Marci Lesperance of the University of Michigan continues as the Chair of the committee; the rest of the committee remains unchanged since 2012.

Porter Neuroscience Research Center

Dr. Griffith provided the exciting news that construction on Phase II for the Porter Neuroscience Research Center is on schedule. This ARRA-funded project will bring under one roof nine intramural investigators who are currently in three different locations in the Bethesda/Rockville area. Planned completion is very soon with a move anticipated in December 2013.

Personnel

There are currently 10 tenured investigators and three tenure-track investigators along with a large contingent of supporting scientists. Dr. Griffith highlighted the newest Tenure-Track investigator Dr. Katie Kindt whose research is focused on the development, structure and function of hair cells.

Otolaryngology Surgeon-Scientist Career Development Program

This program allows early-career faculty development of clinician-scientists in a mentored environment with a culture of scholarly inquiry and scientific rigor. In order to facilitate the combination of developing research skills and maintaining surgical skills, the Intramural program is partnering with Johns Hopkins University at Suburban Hospital, Walter Reed National Medical Center and Georgetown University to create a cross training environment. This will provide a rich environment for scientific discovery. Dr. Griffith concluded his presentation by highlighting the three otolaryngologists currently participating in this program.

VI. Report of the Director, NIDCDDr. Battey

Budget Update

Dr. Battey began his presentation by displaying the President's NIDCD Budget Request for FY 2014. He pointed out that there has been no Congressional action yet on the FY 2014 budget for NIH and that these numbers were likely to change. As a consequence, there is a great deal of uncertainty about what the eventual budget level will be and it is very likely that NIH will begin FY 2014 without an appropriation, operating under a Continuing Resolution. In recognition of this high level of uncertainty, NIDCD has adopted a conservative fiscal plan for FY 2014 based on the assumption of a 2.5% reduction from the FY 2013 level. Once other components of the NIDCD budget are considered there would be \$268.9 million available for research project grants. From this total, \$10.3 million is reserved for Small Business Research grants, \$750 thousand for administrative supplements, \$204.2 million for commitments to noncompeting grants, \$1.3 million for commitments carried over from FY2013, and \$13.5 million for program requirements. An additional estimated \$1.2 million is available from end of year FY 2013 funds. Of the remaining \$40 million, twenty percent (\$8 million) is designated for High Program Priority (HPP). Consequently, there is \$32 million available for the initial pay line across the year's three Council meetings. This should allow funding of applications up through the 12th percentile. The \$8 million for HPP applications will be available to support additional applications throughout the year.

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

NIH's Enhancing Reproducibility Initiative

Dr. Battey introduced this next topic with the observation that reproducing results of research findings have been noted as an issue in multiple publications with one report indicating that almost 2/3 of the studies published could not be replicated by others. This is a problem in all areas of research, not just specific types of studies and has been observed in both clinical and preclinical research, though the focus of today's remarks is on the reproducibility of preclinical research. The topic has been under discussion across the NIH and IC Directors were asked to share this information with their Advisory Councils and ask for comment. He provided background documenting the problem, information about discussions ongoing across NIH, and possible principles for addressing the underlying issues. The presentation included a number of recommendations/suggestions and sketched out some possible Reproducibility Pilots being considered across the NIH. Those pilots include:

- Evaluation process of the "scientific premise" of a grant application
- Checklist to systematically evaluate grant applications
- Changes to bio-sketch
- Approaches to reduce "perverse incentives"
- Supporting replication studies

Dr. Battey closed by asking members of council for their advice on this important topic that might help to inform the NIH effort.

NIDCD: 25 Years of Improving the Lives of People with Communication Disorders

Dr. Battey introduced Ms. Susan Dambrauskas, Chief, Office of Health Communication and Public Liaison, who presented a brief history of the NIDCD from its inception in 1988 to the present. Ms. Dambrauskas' presentation was in the form a 25-year timeline spanning the legislation that formed the NIDCD in 1988 through to the 25th anniversary celebration planned for October 2013. The timeline chronicled NIDCD leadership, major events/conferences, scientific achievements and some of the outcomes attributed to NIDCD over the past 25 years.

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

Dr. Jordan began by highlighting the President's Open Government Initiative and pointing out that one goal is to provide greater public accessibility to open federal advisory committees. With that goal in mind, he reminded attendees that NIDCD will webcast the afternoon portion of the open session of this meeting to evaluate the quality and usefulness of the format for the future.

Next, he shared that in late July & early August some NIDCD offices have moved to newly renovated space on the 8th floor of the "Neuroscience Center". The move involved the Division of Extramural Activities including the Scientific Review and Grants Management Branches, the Division of Scientific Programs, the Information Systems Management Branch and members of the Administrative Management Branch that support the aforementioned offices. These offices are still located off the main campus, but benefit from now being co-localized in a modern building shared by other NIH Institutes with related interests such as neuroscience.

Lastly, Dr. Jordan summarized two recurring reports that are provided to the Council in preparation for each meeting: Interim Actions Report and Competing Awards Funded (since the last meeting). These two reports were complemented with a summary report of all non-competing awards funded during a similar reporting period. The three reports were organized by different types of grants and/or different types of actions taken by the extramural staff of the Institute in order to reflect the spectrum of actions performed by staff between Council meetings.

VIII. Scientific Presentation Dr. Lisa Cunningham

Dr. Battey introduced Dr. Lisa Cunningham, Acting Chief, Section on Sensory Cell Biology from the NIDCD Intramural program. Dr. Cunningham accepted our invitation to discuss her research in a presentation entitled, "*Life and Death in the Inner Ear: Heat Shock and Sensory Hair Cells.*"

Research in our laboratory is focused on specialized sensory cells in the inner ear, called hair cells. These are the cells that convert sound into neural signals that are then carried into the brain. Hearing loss is often caused by the death of these sensory hair cells. Hair cells can die as a result of exposure to a variety of stresses, including aging, noise trauma, genetic mutations, and some therapeutic drugs that a person might receive in the clinic. These drugs are beneficial in terms of treating diseases such as infections or cancer, but they also have the potential side effect of causing hearing loss because the drugs are toxic to hair cells in the inner ear.

Our studies focus on the cellular and molecular mechanisms that determine whether a hair cell under stress ultimately lives or dies. When any cell (including a hair cell) is under stress, it will usually activate both molecules that will promote its survival as well as molecules that will promote its death. It's often the balance of these "death vs. survival" signals that determines whether the cell under stress ultimately lives or dies.

Our lab performs both basic science studies and translational studies. Our basic science studies are focused on understanding the cellular and molecular signals that determine whether a hair cell under stress lives or dies. Our translational studies are aimed at using this knowledge about hair cell survival and death to develop clinical therapies that prevent hearing loss.

IX. Report of the Director, Division of Scientific Programs Dr. Judith Cooper

Dr. Cooper introduced Dr. Daniel Sklare, NIDCD Research Training Officer, who summarized a report presented to the Institute by a group of NIDCD-funded Otolaryngology (ORL) T32 (institutional training grant) program directors and lead preceptors, who convened a workgroup (WG) on June 3, 2013. The stated goals of this forum were to: 1) identify the foundations and best practices of successful ORL T32 Programs; 2) define challenges and obstacles encountered in developing ORL-investigators; and, 3) identify and recommend to the NIDCD potential improvements to enhance the effectiveness of ORL T32 Programs.

The thirteen WG members underscored that T32 programs build and fortify the academic and research culture in ORL residency programs. They maintain that the overriding goal of T32 programs serving this clinical community is to train ORL-investigators whether or not they become independent NIH-funded principal investigators. No one model for selecting prospective trainees from incoming ORL residents and for phasing research training within the residency years fits all ORL programs, and the chosen model should be program-specific. However, the WG did endorse the concept of immersing residents in research early in their training and enabling them to maintain research momentum over the years of residency training, such that research interests can be brought into alignment with clinical interests during the later residency years. The WG posited that most critical element for the success of an ORL T32 program is a deep-seated departmental culture of scientific inquiry. On the bases of two NIDCD surveys of former ORL resident-stage trainees conducted over the last two decades, the WG concluded that one year of full-time NRSA-supported research training (supplemented by 4-6 months of Department-sponsored research training) is sufficient to achieve the goal of training budding ORL-investigators. The importance of guiding select trainees to pursue academic training in clinical investigation and public health, with the goal of expanding the Nation's pool of ORL patient-oriented researchers was also underscored.

The WG made several recommendations to the NIDCD for improving the effectiveness of ORL T32-based research training. These recommendations addressed: the reviewer constitution of T32 review panels; the scientific purview of T32 programs relative to the NIDCD Research Mission; expected outcomes of "successful" ORL T32 programs; the need for improved alignment of national residency training requirements, the residency match process and NIH T32 guidelines; and, the need for greater flexibility in the timetable for renewal and resubmission applications. A particular area of concern was the chilling effect that loss of T32 funding has on the academic and research cultures of ORL residency programs and, ultimately, on the Nation's academic ORL enterprise. The WG offered several recommendations to improve the sustainability of fruitful T32 programs. Finally, the WG members recommended that NIDCD establish a two-year award program to assist graduating residents on an ORL-investigator career track bridge the chasm between their T32 traineeship and a future junior faculty-stage mentored clinician-scientist career development (K-) award.

X. Adjournment

The meeting was adjourned at 1:50 p.m. on September 12, 2013.

XI. Certification of Minutes

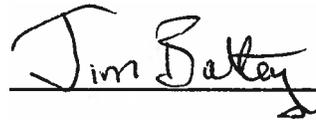
We certify that, to the best of our knowledge, the foregoing minutes and attachments are accurate and correct.

November 14, 2013



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

November 12, 2013



James F. Battey, Jr., M.D., Ph.D.
Chairman
National Deafness and Other Communication
Disorders Advisory Council

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 January 24, 2014, and corrections or notations will be stated in the minutes of that meeting.

APPENDICES

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Appendix 1

National Deafness and Other Communication Disorders Advisory Council

(Terms end on 5/31 of the designated year)

Chairperson

James F. Battey, Jr. M.D., Ph.D., Director
National Institute on Deafness and Other Communication Disorders
Bethesda, MD 20892

BAKALETZ, Lauren O., Ph.D. Professor Departments of Pediatrics and Otolaryngology College of Medicine Ohio State University Columbus, OH 43205	2014	MYERS, David G., Ph. D. Professor Hope College Department of Psychology Holland, MI 49422	2017
BERKE, Gerald S., M.D. Chair, Department of Head and Neck Surgery Center for Health Sciences School of Medicine University of California at Los Angeles Los Angeles, CA 90095	2014	PERKELL, Joseph S., Ph.D., D.M.D. Research Affiliate Research Laboratory of Electronics Massachusetts Institute of Technology Cambridge, MA 02446	2016
FINISDORE, Marcia M., M.S.N, R.N Consultant on Hearing Loss Issues Media, PA 19063	2017	ROBINSON, Jr., Tommie L., Ph.D. Director, Scottish Rite Center for Childhood Language Disorders Children's Hearing and Speech Center Children's National Medical Center Washington, DC 20009	2016
KAYE, Joan Executive Director Sophie's Soundcheck New York, NY 10128	2016	SCHWOB, James E., Ph.D., M.D. Bates Professor and Chair of Anatomy and Cellular Biology Tufts University School of Medicine Boston, MA 02111	2015
KEHN, Tisha A. Executive Director Association for Chemoreception Sciences Minneapolis, MN 55406	2015	SERRANO, Elba E., Ph.D. Regents Professor Department of Biology New Mexico State University Las Cruces, NM 88003	2017
MANIS, Paul B., Ph.D. Thomas J. Dark Distinguished Research Professor Department of Otolaryngology/Head and Neck Surgery University of North Carolina Chapel Hill Chapel Hill, NC 27599	2015	SHANNON, Robert V., Ph.D. Director, Division of Communication and Auditory Neuroscience Head, Auditory Implant Research Laboratory House Research Institute Los Angeles, CA 90057	2015
MISTRETTA, Charlotte M., Ph.D. William R. Mann Professor Department of Biologic and Materials Sciences Associate Dean for Research and Ph.D. Training School of Dentistry University of Michigan Ann Arbor, MI 48109	2015	SMITH, Richard J. H., M.D. Professor Department of Otolaryngology University of Iowa – Carver College of Medicine Iowa City, IA 52242	2014

NIDCD Director's Budget

James F. Battey, Jr., M.D., Ph.D.
NIDCD Advisory Council Meeting
September 12, 2013

National Institute on Deafness and Other Communication Disorders

September 2013 Council Budget Mechanism (Dollars in thousands)

<i>Budget Mechanism</i>	FY 2013 Operating Budget		FY 2014 President's Budget	
	<i>Number</i>	<i>Amount</i>	<i>Number</i>	<i>Amount</i>
Research Projects				
Noncompeting	623	\$212,925	605	\$220,058
Admin. Supplements	22	850	24	1,000
Competing	172	57,197	212	70,485
Subtotal	795	270,972	817	291,543
SBIR/STTR	28	10,200	34	11,600
Subtotal, RPG's	823	281,172	851	303,143
Research Centers	21	15,857	23	15,660
Other Research	60	10,545	64	11,350
Total Research Grants	904	307,574	938	330,153
Individual Training	119	4,875	124	5,200
Institutional Training	175	8,000	179	8,383
R & D Contracts	33	16,180	34	19,600
Intramural Research		36,500		39,500
Research Mgmt. & Support		19,450		20,100
TOTAL		\$392,579		\$422,936

National Institute on Deafness and Other Communication Disorders

September 2013 Council Competing Research Project Grants (Dollars in thousands)

September Council Funds for FY 2014 Competing R01's

Based on FY 2014 Estimate of \$382,766 thousand (-2.5%)
(\$ in thousands)

Estimated Total RPG budget	\$268,892		
Less estimated SBIR/STTR budget	-10,300		
Less estimated Administrative Supplements budget	-750		
Less estimated Noncompeting budget	-204,257		
Less FY14 "Carryover" Commitments from prior Council meetings	-1,261		
Less FY14 Program Requirements	-13,500		
Plus FY13 funding for Sept 2013 applications	1,200		
<i>Total</i>		\$40,024	
		↙	↘
		<u>20% HPP</u>	<u>80% Regular</u>
For FY 2014	\$8,005		\$32,019
Per Council Round	\$2,668		\$10,673