

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

September 11, 2009

**National Institutes of Health
Bethesda, Maryland**

MINUTES

The National Deafness and Other Communication Disorders Advisory Council convened on September 11, 2009 in Building 31, Conference Room 10, 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 11, 2009: 8:30 a.m. to 10:40 a.m. for review of individual grant applications; and

Open: September 11, 2009: 10:40 a.m. to 1:50 p.m., for the review and discussion of program development needs and policy.

Council members in attendance:¹

Ms. Brenda Battat
Dr. William Brownell
Dr. Margaretha Casselbrant
Dr. Karen Cruickshanks
Mr. Richard Ellenson
Dr. Albert Feng
Dr. Karen Friderici
Dr. Charles Greer

Dr. Jennifer Horner
Dr. John Niparko
Dr. Lorraine Ramig
Dr. Steven Rauch
Dr. Randall Reed
Dr. Mabel Rice
Dr. Anne Smith
Dr. William Yost

Council members absent:

Dr. Robert Davila

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.

Ex-Officio Members Participating:

Dr. Rickie Davis

Ex-Officio Members Not Participating:

Dr. Lucille B. Beck
Dr. Michael E. Hoffer

The Council roster is found as Appendix 1.

Various members of the public, NIDCD staff and other NIH staff, were in attendance during the open session of the Council meeting. A complete list of those present for all or part of the meeting is found in Appendix 2.

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 welcomed Mr. Richard Ellenson as a new member to the Council, and expressed appreciation to the entire Council for their service and advice. Mr. Richard Ellenson has been appointed to the Council and a more formal introduction to staff and other members of our audience is planned during the open session. Dr. Robert Davila had a scheduling conflict which prevented him from attending this meeting.

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 interest, or the 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 10:45 a.m.

III. Council Consideration of Pending Applications

The Council gave special attention to applications involving issues related to protection of human subjects, animal welfare, biohazards and/or women/minority/children representation in study populations as identified by the initial reviewing groups. The Council individually discussed applications being considered for High Program Priority, from New Investigators, and whenever additional discussion was required.

A. Research Project Grant Awards

1. Consideration of Applications: On the Council's agenda was a total of 96 investigator-initiated research grant applications; 86 applications had primary assignment to NIDCD, in the amount of \$26.79 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 through the 22nd percentile.

B. Special Programs Actions

1. Mentored Clinical Scientist Research Career (K08): The Council recommended support of two applications.
2. NIH Pathway to Independence (PI) Award (K99/R00): The Council recommended support of one application.
3. Small Grants (R03): The Council recommended support of seven applications.
4. NIH Support for Conferences and Scientific Meetings (R13): The Council recommended support of three applications.
5. AREA Grant (R15): The Council recommended support of one application.
6. NIH Exploratory/Development Research Grant Award (R21): The Council recommended support of six applications.
7. Centers Core Grants Research (P30): The Council recommended support of three applications and partial support for one application.
8. Small Business Technology Transfer (STTR): The Council recommended support of two Phase I (R41) applications.
9. Small Business Innovation Research Awards (SBIR): The Council recommended support for five Phase I (R43) applications and support for two Phase II (R44) applications.
10. PAR09-056 – Improving Intervention Possibilities for Communication Disorders (R21/R33): The Council recommended support of one application.
11. PAR09-057 – Improving Interventions for Communication Disorders (R21/R33): The Council recommended support of three applications.

IV. Pre-Council Voting

Council members were invited to vote on the following staff recommendations via e-mail ballot on ARRA funding prior to the meeting.

- Wave 2 Administrative Supplements – Council voted to support 52 applications.
- Knockout Mouse Program – Council voted to support 1 application.
- Infant Network Hearing Assessments Pilot – Council voted to support 1 application.

- Wave 2.1 Administrative Supplements – Council voted to support 2 applications.
- Autism Applications – Council voted to support 4 applications.
- Revision Applications – Council voted to support 6 applications.
- STTR Applications – Council voted to support 1 application.
- Wave 2.2 Administrative Supplements – Council voted to support 2 applications.
- Wave 2 Revision Supplements – Council voted to support 2 applications.
- Enhancing Research Capacity Applications (P30) – Council voted to support 8 applications.
- Challenge Grant Applications (RC1) – Council voted to support 13 applications.
- Wave 3 Administrative Supplements – Council voted to support 16 applications.

V. Report of the Board of Scientific CounselorsDr. Andrew Griffith

Next, Dr. Battey welcomed Dr. Andrew Griffith, Director of NIDCD's Division of Intramural Research. As stipulated by law, each Institute, Center or Division must provide annually to its National Advisory Council an overview of its intramural research program. The overview should include the reports of the Board of Scientific Counselors, and the responses of the Scientific Director. This presentation is strictly informational; Council members are not asked to recommend approval or disapproval of the reports or to modify them in any way. However, the Council may make recommendations to the Director, NIDCD regarding such research on the basis of the materials provided.

Dr. Griffith presented the Report of the BSC regarding the review of several intramural laboratories. He then presented his response to the report and responded to questions from Council.

[Executive Secretary Note: During the BSC presentation, attendance was restricted to the Council members; the Director, NIDCD; and a few senior NIDCD administrators.]

OPEN SESSION

VI. Opening RemarksDr. Battey

Dr. Battey welcomed additional staff and visitors to the open session of the meeting and introduced Mr. Richard Ellenson as a new member of the Council:

- **Mr. Richard Ellenson** is currently the Chief Vision Officer at DynaVox in New York. Mr. Ellenson received his initial degree from Cornell University and an MBA from The Wharton School. He has significant past accomplishments in the advertising industry and has combined that with his interest as an advocate for individuals with disabilities. Prior to his current position Mr. Ellenson was CEO at Blink Twice. Under his leadership, Blink Twice developed the Tango, a speech generating device that helps children with conditions such as Cerebral Palsy and Autism to communicate by prerecording a wide variety of colorful pictures and symbols depicting commonly used actions, questions, and emotions. Mr. Ellenson has received national recognition for his work with the Department of Education in New York City to create a new inclusion program in the school system. He and his wife were named "2006 Caregivers of the Year" by United Cerebral Palsy of New York. That same year, Mr. Ellenson and his son were recognized as "Persons of the Year" by ABC World News Tonight. Mr. Ellenson received a SBIR grant from NIDCD for his company

Blink Twice. He has been involved in several committees at United Cerebral Palsy of New York City and has created pro-bono television spots for that organization. He sits on the Advisory Board of C S U N C enter on D isabilities, the board of the Assistive Technology Industry Association, and he is Vice President of the U.S. Society for Alternative and Augmentative Communication.

Consideration of Minutes of the Meeting of June 5, 2009

Dr. Battey called members' attention to the minutes of the June 5, 2009 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 2011 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 Council is scheduled for Friday, January 22, 2010 in Building 31, Conference Room 6 on the NIH campus, Bethesda, Maryland.

VII. Report of the Division of Intramural ResearchDr. Griffith

NIH policy requires that the National Advisory Council to 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 2009 report.

DIR Announcement

Dr. Andrew Griffith is the new Scientific Director. He received his M.D. and Ph.D. from Yale in 1992. Dr. Griffith served as a Resident Physician at the University of Michigan from 1992-1998.

Personnel

There was one staff change reported for FY08. A new Scientific Director was hired. The DIR is composed of fourteen tenured principal investigators and one tenure-track scientist.

Board of Scientific Counselors

Dr. Griffith updated the Council on the membership of the Board of Scientific Counselors (BSC). Membership changed in July 2009 with the appointment of three new members and a new Chair. The BSC is chaired by Dr. Richard Cheney, University of North Carolina. Other members include Dr. Richard Chole, Washington University; Dr. Robin Davis, Rutgers University; Dr. Ronald Hoy, Cornell University; Dr. Gabriel Corfas, Harvard University; Dr. Wayne Frankel, Jackson Laboratory; Dr. Peter Gillespie, Oregon Health Science University; and Dr. Neil Segil, House Ear Institute.

VIII. Report of the Director, NIDCDDr. Battey

Budget Considerations:

Dr. Battey began his presentation with a breakdown of the President's NIDCD Budget Request for FY 2010. Once the other components of the NIDCD budget are considered, there would be \$290.6 million available for research project grants. Dr. Battey detailed how the \$290.6 million will be allocated. From this total, \$9.7 million is reserved for Small Business Research grants,

\$1.5 million for administrative supplements, \$218.2 million for commitments to noncompeting grants, \$690,000 for carryover commitments from prior Council meetings, and \$13.8 million for program requirements. An additional estimated \$10 million is available from end of year FY09 funds. Twenty percent of the remaining \$56.8 million is designated for High Program Priority (HPP), amounting to \$11.4 million. Consequently, there are \$45.4 million available for the initial payroll across the year's three Council meetings. This should allow funding of applications through the 22nd percentile. A copy of the slides Dr. Battey used for his budget presentation is included in these minutes as Appendix 3.

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

Dr. Jordan began his presentation with a discussion of NIDCD's processing of awards over the past five years. He used charts and graphs to demonstrate the numbers and the different types of awards processed by NIDCD staff from FY05 through FY09. He highlighted the major award types utilized by NIDCD to support research, training, and career development activities. He also pointed out the impact the American Recovery and Reinvestment Act of 2009 had on NIDCD's output in Fiscal Year 2009.

Dr. Jordan then discussed the new NIH scoring system in comparison to the old system and reminded the membership that this was the first Council meeting utilizing the new scores and percentiles. He outlined the differences from NIH's historical scoring system and gave examples. He also shared copies of the scoring guidance provided to peer review panels to orient them to the new system. The guidance documents provided the audience with the descriptors and impact ranges associated with the new scores.

Dr. Jordan concluded his presentation by reminding the membership that in addition to a new scoring system, review panels had also been charged to utilize Criterion Scoring, to cluster the review of all New Investigator applications, and to provide scores to an equal percentage of applications submitted by established and new investigators. In order to address the last of those charges, he provided data on the percentage of Not Scored/Not Discussed applications NIDCD received for the past four Council rounds. The data was broken down to determine how many of those applications came from New Investigators, Early Stage Investigators, or non-New Investigators. The numbers support the notion that peer review panels had accomplished the goal and had provided scores to a significantly larger percentage of new investigator applications.

X. Scientific Presentation Dr. John Middlebrooks

Dr. Battey introduced Dr. John Middlebrooks, Professor in the Department of Otolaryngology and the Department of Neurobiology and Behavior at the University of California at Irvine. Dr. Middlebrooks accepted our invitation to discuss his research in a presentation entitled, "Auditory Prosthesis with Penetrating Auditory Nerve Electrodes." The following is an abstract of Dr. Middlebrooks presentation:

"Auditory Prosthesis with Penetrating Auditory Nerve Electrodes"

The goal of electrical stimulation for auditory prosthesis is to excite tonotopically restricted populations of nerve fibers. This is a challenge for a conventional cochlear implant, which is located in a different anatomical compartment than is the auditory nerve. We are attempting to improve on this situation by implanting electrode arrays within the body of the nerve, with stimulating electrodes in close proximity to restricted nerve-fiber populations.

In anesthetized cats, we monitored the specificity of activation of the ascending auditory pathway by recording the distribution of activity along the tonotopic axis of the central nucleus of the inferior colliculus (ICC). Auditory-nerve stimulating arrays were single silicon-substrate shanks with 16 electrodes spaced in 100-µm intervals.

Intraneural stimulation offered substantial improvements over cochlear-implant stimulation. Thresholds averaged 24 dB lower than monopolar and 34 dB lower than bipolar stimulation. Intraneural electrodes could activate frequency-restricted populations centered throughout the audible range, unlike cochlear-implant electrodes that cannot provide specific low-frequency stimulation. Tonotopic spread of activation approached that obtained in normal hearing with acoustic tones. In contrast to intra-scalar stimulation, stimulation of pairs of intraneural electrodes showed superposition of the patterns elicited by each of the individual electrodes, with no influence of one electrode on the operating current range of the other electrode. Intraneural stimulation exhibited superior transmission of temporal fine structure, as demonstrated by phase locking of ICC neurons to higher rates of unmodulated electrical pulse trains. That result appears to be largely a result of intraneural stimulation of fibers leading to low-frequency brainstem pathways.

Overall, intraneural stimulation shows great promise for advances in auditory prosthesis. Ongoing work is testing chronic implantations in animals, which is essential prior to human trials. Supported by NIDCD Contract NO1-DC-5-0005.

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

Dr. Cooper turned the podium over to Dr. Gordon B. Hughes, Division of Scientific Programs, NIDCD.

Gordon B. Hughes, M.D., Division of Scientific Programs, NIDCD, gave an overview of clinical trials funding opportunities at NIDCD. He began the presentation outlining NIDCD's mission areas and NIDCD clinical trial requirements. The requirements for a Phase I/II Clinical Trial are prospective, human subjects, and intervention. The requirements for a Phase III Clinical Trial are these three plus controls and randomization. The mission of the Cochrane Collaboration was discussed; which is, "Improving healthcare decision-making globally, through systematic reviews of the effects of healthcare interventions, published in the Cochrane Library." NIDCD funded 30 clinical trials in 2008; 15 hearing, 2 balance, and 13 voice-speech-language. The total cost for all 30 supported clinical trials was \$10,315,293. NIDCD has three clinical trial initiatives. They are Phase I/II Clinical Trial, Phase III Clinical Trial Planning Grant, and Phase III Definitive Clinical Trial. Dr. Hughes offered resources and contact information for those interested in receiving more information on NIDCD's Clinical Trials.

XII. ARRA Update Dr. Cooper

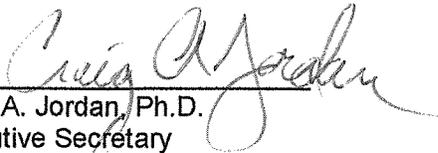
Dr. Cooper gave a progress report on NIDCD's ARRA activities for FY09 and planned activities for FY10. Multiple applications were funded since the June meeting. NIDCD's total ARRA expenditures to date are ~\$97 million. This figure includes second year commitments. About \$5 million remains for FY10 new activities.

XIII. Adjournment: The meeting was adjourned at 1:50 p.m. on September 11, 2009.

XIV. Certification of Minutes

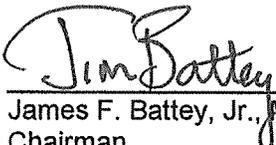
We certify that, to the best of our knowledge, the foregoing minutes and attachments are accurate and correct.²

10-12-09



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

x



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

Kristin Shazor
Program Analyst
NDCD Advisory Council

² These minutes will be formally considered by the NDCD Advisory Council at its next meeting; corrections or notations will be incorporated in the minutes of that meeting.

APPENDICES

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Roster
National Deafness and Other Communication Disorders Advisory Council

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

BATTAT, Brenda, MA, MCSP Executive Director Hearing Loss Association of America (HLAA) Bethesda, MD	2013	FRIDERICI, Karen, Ph.D. Professor Department of Microbiology & Molecular Genetics Michigan State University East Lansing, MI	2013
BROWNELL, William, Ph.D. Jake and Nina Kamin Chair Bobby R. Alford Department of Otorhinolaryngology & Communicative Science Baylor College of Medicine Houston, TX	2013	GREER, Charles A., Ph.D. Professor of Neuroscience Department of Neurosurgery Yale University School of Medicine New Haven, CT	2011
CASSELBRANT, Margaretha L., M.D., Ph.D. Eberly Professor of Pediatric Otolaryngology Director, Division of Pediatric Otolaryngology Children's Hospital of Pittsburgh of UPMC University of Pittsburgh, School of Medicine Pittsburgh, PA	2010	HORNER, Jennifer, J.D., Ph.D. Associate Dean for Research and Graduate Studies College of Health and Human Services Ohio University Athens, OH	2010
CRUICKSHANKS, Karen J., Ph.D. Professor Department of Ophthalmology and Visual Sciences University of Wisconsin School of Medicine and Public Health Madison, WI	2011	NIPARKO, John, M.D., George T. Nager Professor Director, Division of Otolaryngology, & Skull Base Surgery Department of Otolaryngology – Head & Neck Surgery The Johns Hopkins Hospital Baltimore, MD	2013
DAVILA, Robert R., Ph.D. President Galludet University Washington, DC	2012	RAMIG, Lorraine, Ph.D., CCC-SLP Professor Department of Speech Language Hearing Sciences University of Colorado, Boulder Boulder, CO	2010
ELLENSON, Richard, MBA Chief Vision Officer DynaVox New York, NY	2013	RAUCH, Steven D., M.D. Professor Otolaryngology Department of Otolaryngology & Laryngology Harvard Medical School Massachusetts Eye and Ear Infirmary Boston, MA	2010
FENG, Albert S., Ph.D., MS Professor Department of Molecular and Integrative Physiology University of Illinois Urbana-Champaign Urbana, IL	2011		

REED, Randall, Ph.D. 2011
Director, Center for Sensory Biology
Professor, Department of Molecular Biology
and Genetics
Department of Neuroscience
Department of Otolaryngology - HNS
Johns Hopkins School of Medicine
Baltimore, MD

RICE, Mabel L., Ph.D. 2012
Fred and Virginia Merrill Distinguished
Professor of Advanced Studies
Department of Speech-Language-Hearing
The Merrill Advance Studies Center
University of Kansas
Lawrence, KS

SMITH, Anne, Ph.D. 2012
Distinguished Professor
Department of Speech, Language
and Hearing Sciences
Purdue University
West Lafayette, IN

YOST, William A., Ph.D. 2011
Chair of Speech and Hearing Science
Department of Speech and Hearing Science
Arizona State University
Tempe, AZ

EX-OFFICIO MEMBERS:

BECK, Lucille B., Ph.D.
Director
Audiology & Speech Pathology Service (117A)
Department of Veterans Affairs
Washington, DC

DAVIS, Rickie, Ph.D.
Team Leader
Hearing Loss Prevention Team
National Institute for Occupational Safety and Health
Centers for Disease Control and Prevention
Cincinnati, OH

HOFFER, Michael E., M.D.
Co-Director
Department of Defense Spatial Orientation Center
Department of Otolaryngology
Naval Medical Center
San Diego, CA

SEBELIUS, Kathleen
Secretary
Department of Health and
Human Services
Hubert H. Humphrey Building
Washington, DC

COLLINS, Francis S., M.D., Ph.D.
Director
National Institutes of Health
Bethesda, MD 20892

EXECUTIVE SECRETARY:

JORDAN, Craig A., Ph.D.
Director
Division of Extramural Research, NIDCD
Bethesda, MD

Appendix 2

ATTENDANCE LIST

Other than Council members, attendees at the September 11, 2009 Council meeting included:

NIDCD Staff:

Office of Administration

Kerr, W. David, Executive Officer

Wysong, Chad, Deputy Executive Officer

Financial Management Branch

Rotariu, Mark, Budget Officer

Science Policy and Planning Branch

Wong, Baldwin, Chief

Cole, Laura, Ph.D., Science Policy Analyst

Reuss, Reaya, Health Science Policy Analyst

Office of Health Communication and Public Liaison

Blessing, Patricia, Chief

Latham, Robin, Writer/Editor

Miranda-Acevedo, Robert, MPA, Science Writer/Public Liaison Officer

Wenger, Jennifer, Lead Public Affairs Specialist

Division of Extramural Activities

Jordan, Craig A., Ph.D., Director

Shazor, Kristin, M.S.H.A., Program Analyst

Stephenson, Nanette, Program Assistant

Grants Management Branch

Dabney, Sherry, Grants Management Officer

Doan, Hoai, Grants Management Specialist

McNamara, Castilla, Ph.D., M.P.A., Grants Management Specialist

Scientific Review Branch

Stick, Melissa, Ph.D., M.P.H., Chief

Livingston, Christine, Ph.D., Scientific Review Officer

Moore, Christopher, Ph.D., Scientific Review Officer

Singh, Sheo, Ph.D., Scientific Review Officer

Sullivan, Susan, Ph.D., Scientific Review Officer

Yang, Shiguang A., Ph.D., Scientific Review Officer

Division of Scientific Programs

Cooper, Judith, Ph.D., Director

Program Officers

Cyr, Janet, Ph.D., Training/Hearing and Balance

Freeman, Nancy, Ph.D., Hearing and Balance

Hoffman, Howard, M.A., Epidemiology and Statistics

Hughes, Gordon, M.D., Clinical Trials

Ko, Chia-Wen, Ph.D., Statistics

Miller, Roger, Ph.D., Neural Prosthesis

Platt, Christopher, Ph.D., Hearing and Balance

Shekim, Lana, Ph.D., Speech and Voice

Watson, Bracie, Ph.D., Hearing and Balance

Division of Extramural Administrative Support, OER, NIH

Holmes, Debbie, Extramural Support Assistant

Center for Scientific Review, NIH

Etcheberrigaray, Rene, Ph.D., Division Director

Melchior, Christine, Chief, Integrative Function & Cognitive Neuroscience IRG

Crutcher, Keith, Ph.D., Scientific Review Officer

Luethke, Lynn, Ph.D., Scientific Review Officer

Ni, Weijia, Ph.D., Scientific Review Officer

Tian, Biao, Ph.D., Scientific Review Officer

Others

Sinden, Melissa, Sr. Director, Government Relations, American Academy of Audiology

Appendix 3

NIDCD Director's Report Slides

As Presented By

James F. Battey, Jr., M.D., Ph.D.
Director, NIDCD

NIDCD Advisory Council Meeting

September 11, 2009

National Institute on Deafness and Other Communication Disorders

**SEPTEMBER 2009 Council
Budget Mechanism
(Dollars in thousands)**

<i>Budget Mechanism</i>	<u>FY 2009 Appropriation</u>		<u>FY 2010 President's Request</u>	
	<i>Number</i>	<i>Amount</i>	<i>Number</i>	<i>Amount</i>
Research Projects				
Noncompeting	609	\$208,773	612	\$218,248
Admin. Supplements	(34)	2,000	(26)	1,500
Competing	197	65,802	179	61,210
Subtotal	<u>806</u>	<u>276,575</u>	<u>791</u>	<u>280,958</u>
SBIR/STTR	<u>34</u>	<u>9,714 *</u>	<u>34</u>	<u>9,700</u>
Subtotal, RPG's	840	286,289	825	290,658
Research Centers	21	18,600	21	18,600
Other Research	<u>51</u>	<u>7,700</u>	<u>51</u>	<u>7,700</u>
Total Research Grants	912	312,589	897	316,958
Individual Training	128	5,000	128	5,000
Institutional Training	230	8,700	230	8,700
R & D Contracts	46	24,331	46	24,331
Intramural Research		37,513		38,576
Research Mgmt. & Support		19,126		19,461
NIH Roadmap		<u>0</u>		<u>0</u>
TOTAL		<u>\$407,259</u>		<u>\$413,026</u>

* reflects the latest SBIR/STTR allotment

FY 2010 House Full Mark	\$422,308
FY 2010 Senate Full Mark	\$414,755

National Institute on Deafness and Other Communication Disorders

**SEPTEMBER 2009 Council
Competing Research Project Grants
(Dollars in thousands)**

September Council Funds for FY 2010 Competing R01's
Assumes President's Budget Request
(\$ in thousands)

Total RPG budget	\$290,658	
Less SBIR/STTR budget	-9,700	
Less Administrative Supplements budget	-1,500	
Less Noncompeting budget	-218,248	
Less FY10 "Carryover" Commitments from prior Council meetings	-690	
Less FY10 Program Requirements	-13,750	
Plus FY09 funds	10,000	
	<hr/>	
<i>Total</i>	\$56,770	
	<u>20% HPP</u>	<u>80% Regular</u>
For FY 2010	\$11,354	\$45,416
Per Council Round	\$3,785	\$15,139