NATIONAL DEAFNESS AND OTHER COMMUNICATION DISORDERS ADVISORY COUNCIL

September 12, 2008

National Institutes of Health Bethesda, Maryland

MINUTES

The National Deafness and Other Communication Disorders Advisory Council convened on September 12, 2008 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, 2008: 8:30 a.m. to 11:05 a.m. for review of individual grant applications; and

Open: September 12, 2008: 11:05 a.m. to 1:15 p.m., for the review and discussion of program development needs and policy.

Council members in attendance:1

Ms. Donna Bates Boucher

Dr. Margaretha Casselbrant

Dr. Edward Conture

Dr. Karen Cruickshanks

Dr. Albert Feng

Dr. Charles Greer

Dr. Jennifer Horner

Dr. Sharon Moss

Dr. Lorraine Ramig

Dr. Steven Rauch

Dr. Randall Reed

Dr. Mabel Rice

Dr. Allen Ryan

Dr. Anne Smith

Council members absent:

Dr. Robert Davila

Dr. Nathan Fischel-Ghodsian

Ms. Myrna Orleck-Aiello

Dr. Ernest Weymuller

Dr. William Yost

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 Not Participating:

Dr. Lucille B. Beck (represented at the Open Session by Dr. Kyle Dennis)

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

The meeting was called to order by Dr. Battey, Director, NIDCD, who welcomed Dr. Mabel Rice and Dr. Anne Smith as new members to the Council, and expressed appreciation to the entire Council for their service and advice. Dr. Mabel Rice and Dr. Anne Smith have 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. Nathan Fischel-Ghodsian, Dr. Ernest Weymuller, Dr. William Yost, and Ms. Myrna Orleck-Aiello had scheduling conflicts which prevented them from attending this meeting.

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 11:05 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 review 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

Consideration of Applications: On the Council's agenda was a total of 90 investigator-initiated research grant applications; 78 applications had primary assignment to NIDCD, in the amount of \$23.96 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 to the 20.9 percentile.

B. Special Programs Actions

- 1. NIH Pathway to Independence (PI) Award (K99/R00): The Council recommended support of one application.
- 2. Small Grants (R03): The Council recommended support of eleven applications.
- 3. NIH Support for Conferences and Scientific Meetings (R13/U13): The Council recommended support of three (R13) applications and one (U13) application.
- 4. AREA Grant (R15): The Council recommended support of one application.
- 5. NIH Exploratory/Development Research Grant Award (R21): The Council recommended support of nine applications.
- 6. Small Business Technology Transfer (STTR): The Council recommended support of one Phase I (R41) application.
- 7. Small Business Innovation Research Awards (SBIR): The Council recommended support for one Phase I (R43) application and partial support for one fast-track (R44) application.
- 8. PA06-344 Methodology and Measurement in the Behavioral and Social Sciences (R03): The Council recommended support of one application.
- 9. PA06-391 Research on Autism and Autism Spectrum Disorders (R03): The Council recommended support of one application.

Next, Dr. Battey welcomed Dr. Robert Wenthold, 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. Wenthold 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

٧.	Opening Remarks	r. Ba	ittey

Dr. Battey welcomed additional staff and visitors to the open session of the meeting and introduced Dr. Mabel Rice and Dr. Anne Smith as new members of the Council:

- Dr. Mabel Rice currently serves as the Fred and Virginia Merrill Distinguished Professor of Advanced Studies at the University of Kansas in the Department of Speech-Language-Hearing. She received her Ph.D. in Speech/Language Pathology from the University of Kansas. She is an international authority on language disorders in children and the genetics of language acquisition. Her major interests include language acquisition, language impairments in children and genetics of language. She developed the first test to successfully diagnose Specific Language Impairment (SLI) in children ages three to eight and has clinical certifications in Child Language Specialty and Clinical Competence-Speech Pathology. Dr. Rice has received several awards, including the Alfred A. Kawana Council of Editors Award for outstanding research/scholar with a sustained history of exemplary publications in the ASHA journals. Dr. Rice is widely published, has served on various review panels and made numerous presentations at national and international meetings. Dr. Rice serves on the editorial board of several respected clinical journals. She also previously served a four-year term on NIDCD's Communication Disorders Review Committee.
- Dr. Anne Smith currently serves as a Distinguished Professor at Purdue University in the Department of Speech, Language, and Hearing Sciences. She received her Ph.D. in Speech Pathology from the University of Iowa. Her research interests include neurophysiology of speech production, stuttering and speech motor control. She has received several awards and honors including the Department of Audiology and Speech Sciences Outstanding Teaching Award. She is a member of various professional organizations, including the American Speech-Language-Hearing Association and Society for Neuroscience. Dr. Smith is widely published and presents frequently at national and international meetings. She previously served a four-year term on NIDCD's Communication Disorders Review Committee.

Dr. Battey added that Dr. Robert Davila has also been appointed to the Council, but was unable to attend this meeting. The Institute looks forward to his participation at the January meeting.

Consideration of Minutes of the Meeting of May 30, 2008

Dr. Battey called members' attention to the minutes of the May 30, 2008 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 2010 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 23, 2009 in Building 31, Conference Room 10 on the NIH campus, Bethesda, Maryland.

VI. Report of the Division of Intramural Research......Dr. Wenthold

NIH policy requires that the National Advisory Council to each Institute review the activities of their respective intramural program once a year. Dr. Robert Wenthold, Scientific Director of NIDCD's Division of Intramural Research (DIR), presented the 2008 report.

DIR Announcement

Dr. Wenthold announced that he is stepping down as the Scientific Director and will concentrate on his own scientific research. A vacancy announcement for this position has been published.

Investigators Tenured in 2008

There were no staff changes reported for FY08. The DIR is composed of fourteen tenured and one tenure-track scientists.

Board of Scientific Counselors

Dr. Wenthold updated the Council on the membership of the Board of Scientific Counselors. Membership changed in July of 2008 with the appointment of three new members and a new Chair. The BSC is chaired by Dr. Charles Liberman of Harvard University. Other members include Dr. Gary Schoenwolf, University of Utah; Dr. Richard Cheney, University of North Carolina; Dr. Richard Chole, Washington University; Dr. Ron Hoy, Cornell University; Dr. Wayne Frankel, The Jackson Laboratory; Dr. Gabriel Corfas, Harvard University; Dr. Robin Davis, Rutgers University.

The Hair Cell and NIDCD DIR: 1998-2008

Dr. Wenthold provided a ten year perspective of accomplishments by scientists of the DIR in the area of Hair Cell research. He chronicled a wide array of individual and collaborative accomplishments during the past ten years under the broad categories of Identifying Genes that can Lead to Abnormal Hair Cells, Proteins Required for the Normal Development of Hair Cells, Specialized Junctions are Required for Hair Cell Function, Multiple Myosins are Necessary for Hair Cell Function, and The Molecular Composition of Tip-Links. He also listed additional research advances and presented challenges that are likely to be pursued during the next ten years. Those challenges include the identification of remaining human deafness genes, enhancing our understanding of hair cell biology, and elucidating key proteins, like those involved in the transduction channel. These and other challenges remain as we move toward the long-term goals of regenerating functional hair cells and eventually treating human disorders. Council members expressed their appreciation for the strong leadership provided by Dr. Wenthold over the past decade.

Budget Considerations:

Dr. Battey began his presentation with a breakdown of the President's NIDCD Budget Request for FY 2009. Once the other components of the NIDCD budget are considered, there would be \$276.2 million available for research project grants. Dr. Battey detailed how the \$276.2 million

will be allocated. From this total, \$9.5 million is reserved for Small Business Research grants, \$1.2 million for administrative supplements, \$207.8 million for commitments to noncompeting grants, \$1.3 million for carryover commitments from prior Council meetings, and \$12.7 million for program requirements. An additional estimated \$5.7 million is available from end of year FY08 funds. Twenty percent of the remaining \$49.5 million is designated for High Program Priority (HPP), amounting to \$9.9 million. Consequently, there are \$39.6 million available for the initial payline across the year's three Council meetings. This should allow funding of applications up to the 20.9 percentile. A copy of the slides Dr. Battey used for his budget presentation is included in these minutes as Appendix 3.

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

New Staff

Dr. Jordan introduced Dr. Susan Sullivan, who joined the NIDCD in April as a Scientific Review Officer. Dr. Sullivan earned her Ph.D. in Cellular, Molecular, and Biophysical Studies from Columbia University, and was a postdoctoral fellow with Dr. Linda Buck at Harvard Medical School. Dr. Sullivan was a Staff Scientist with NIDCD's Intramural Program, Section of Molecular Neuroscience, Laboratory of Molecular Biology since 1996. Her research interests include molecular mechanism underlying chemosensory signal transduction and information processing.

Next, Dr. Jordan summarized the Interim Actions performed by NIDCD staff during FY2008 and then provided a brief analysis of applications submitted to NIDCD over the past five fiscal years and the resulting grant awards. The analysis demonstrated historical trends in application numbers and awards, the different types of funding mechanisms used by NIDCD, and the wide array of award actions performed by staff of the institute. The examination also revealed the spectrum of Funding Opportunity Announcements developed by staff and the grants awards that those efforts yielded. Another comparison revealed the distribution of peer review efforts among review groups at the Center for Scientific Review, within NIDCD, and across other Institutes and Centers; both in terms of grant mechanisms and numbers.

NIH Announcement

Dr. Jordan ended his presentation by highlighting a NIH notice published on August 15, 2008. The notice announces the posting of a web-based tutorial on financial conflict of interest requirements for all NIH-Supported Institutions. The tutorial was created to enhance compliance with Financial Conflict of Interest (FCOI) requirements and is designed for Institutional officials responsible for managing NIH funded grants/contracts and for individuals who are responsible for the design, conduct or reporting of NIH-supported research. The tutorial may be accessed on the Office of Extramural Research, Conflict of Interest Page at http://grants.nih.gov/grants/policy.coi/index.htm.

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

Dr. Cooper turned the podium over to Dr. Roger Miller, Division of Scientific Programs, NIDCD.

Roger Miller, Ph.D., Division of Scientific Programs, NIDCD, gave an overview of contract funding for neural prosthesis development at NIDCD. Support for this program area relies heavily on grant funding, while the contract awards target specific areas of research and development that remain

unaddressed by investigator-initiated grant awards. Development of the penetrating auditory brainstem implant for patients suffering from acoustic neuromas was described as a model project for the contract program, since design of this device was supported from the concept stage on to patient tests through a series of awards to Doug McCreery, Ph.D. at Huntington Medical Research Institutes. Development of specialized engineering tools is also a focus of the contract program. An open system research interface under development by Philip Loizou, Ph.D., at University of Texas, Dallas, was described as a model project that will provide a base set of software able to run on widely available PDA devices to support both animal and clinical research projects. Customization of software algorithms for specific neural prosthesis applications will be accelerated by this project. since an operational system will be provided to the research community complete with software source code. Advanced electrode fabrication capabilities is another area under development through an award to the Lawrence Livermore National Laboratory. Dr. Satinderpall Pannu, Ph.D. will lead this project and produce electrode designs customized for the NIDCD mission areas. Animal studies showing proof of concept for a novel auditory nerve implant were also presented. Dr. John Middlebrooks, Ph.D., has obtained animal model data showing this approach is likely to provide increased selectivity across fibers and increased dynamic range, as compared to cochlear implants. In summary the goals of the contract program are to accelerate the development of novel neural prostheses from the concept stage up to the initial clinical tests in small patient populations. Descriptions of current and past contract awards can be found on the website: www.nidcd.nih.gov/npp.

X. Strategic Planning ReportCouncil Members

Dr. Battey introduced the Strategic Plan Workgroup members, Dr. Charles Greer (Chair), Dr. Albert Feng, Dr. Lorraine Ramig, and Dr. Steven Rauch. Dr. Greer was invited to report on the workgroup's efforts.

Dr. Greer:

Dr. Greer began his presentation outlining the update timeline for the Strategic Research Plan during 2008. According to the timeline, the latest draft of the document should be posted for public comment in the Fall of 2008, and in January of 2009 the Final FY 2009-2011 plan will be posted on the NIDCD website. The major changes in the current draft of the strategic plan are listed below.

- Scientific and stylistic editing throughout the draft, including the modification of overly specific examples, to give a more consistent feel across sections.
- NIDCD will implement a more flexible approach for the coding and tracking of the strategic plan priorities so that changes to wording, order, or additions can be easily done in the future as needed.
- Based on several individual comments, the statistics were removed from the Plan to be replaced by a website for prevalence and epidemiological data http://www.nidcd.nih.gov/health/statistics/.
- Added brief paragraphs describing the NIDCD three main program areas (the seven mission areas have been more recently grouped in NIDCD documents into three main "programs" Hearing and Balance, Smell and Taste, and Voice, Speech, and Language) and the relevance to the public need or NIDCD research.
- There were some minor wording changes to the 4 research priority areas.

Dr. Greer reminded members of the Strategic Plan Priorities (SPP) as currently represented in the Plan. They are (1) Molecular and Non-Genetic Bases of Normal and Disordered Communication Processes; (2) Development, Deterioration, Regeneration, and Plasticity of

Sensory Processes Mediating Normal and Disordered Communication; (3) Perceptual, Cognitive, Sensorimotor, and Environmental Factors Affecting Processing in Normal and Disordered Communication; and (4) Development and Improvement of Devices, Pharmacologic Agents, Behavioral Strategies, and Treatment for Diagnosis, Habilitation, Rehabilitation, and Prevention of Human Communication Disorders.

Several recommendations were offered and discussed by members. All Council members and NIDCD staff were asked to provide any final feedback so that the draft could be posted for public comment later in September. Any comments will used to finalize the Strategic Research Plan prior to posting the final document in January 2009.

XI. Adjournment: The meeting was adjourned at 1:15 p.m. on September 12, 2008.

XII. Certification of Minutes

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

11-20-08

Craig A. Jordan Ph.D. Executive Secretary

National Deafness and Other Communication

Disorders Advisory Council

November 20, Zoo8

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

2009	GREER, Charles A., Ph.D. Professor of Neuroscience Department of Neurosurgery Yale University School of Medicine New Haven, CT	2011
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
2011	MOSS, Sharon E., Ph.D. Director Scientific Programs and Research Development Science and Research Unit American Speech-Language-Hearing Ass Rockville, MD	2008 oc.
2012	ORLECK-AIELLO, Myrna "Mo" CEO/President Abacus N Bytes, Inc. D/B/A TCS Associates Wheaton, MD	2009
2011	RAMIG, Lorraine, Ph.D., CCC-SLP Professor Department of Speech Language Hearing University of Colorado, Boulder Boulder, CO	2010 Sciences
2009	RAUCH, Steven D., M.D. Professor Otolaryngology Department of Otology & Laryngology Harvard Medical School Massachusetts Eye and Ear Infirmary Boston, MA	2010
	2010 2011 2012 2011	Professor of Neuroscience Department of Neurosurgery Yale University School of Medicine New Haven, CT 2010 HORNER, Jennifer, J.D., Ph.D. Associate Dean for Research and Graduate Studies College of Health and Human Services Ohio University Athens, OH 2011 MOSS, Sharon E., Ph.D. Director Scientific Programs and Research Development Science and Research Unit American Speech-Language-Hearing Ass Rockville, MD 2012 ORLECK-AIELLO, Myrna "Mo" CEO/President Abacus N Bytes, Inc. D/B/A TCS Associates Wheaton, MD 2011 RAMIG, Lorraine, Ph.D., CCC-SLP Professor Department of Speech Language Hearing University of Colorado, Boulder Boulder, CO 2009 RAUCH, Steven D., M.D. Professor Otolaryngology Department of Otology & Laryngology Harvard Medical School Massachusetts Eye and Ear Infirmary

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

RYAN, Allen F., Ph.D. 2009
Professor of Surgery/Otolaryngology
Department of Surgery
University of California at San Diego
La Jolla, CA

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

WEYMULLER, Ernest A., M.D.
Professor
Department of Otolaryngology-HNS
University of Washington
School of Medicine
Seattle, WA

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

LEAVITT, Michael O. Secretary Department of Health and Human Services Hubert H. Humphrey Building Washington, DC

ZERHOUNI, Elias Adam, M.D. Director National Institutes of Health Bethesda, MD 20892

EXECUTIVE SECRETARY

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

Rev. 07/2008

2009

Appendix 2

ATTENDANCE LIST

Other than Council members, attendees at the September 12, 2008 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 Langston, Catherine, Budget Analyst

Science Policy and Planning Branch

Wong, Baldwin, Chief Kennedy, Lisa, Ph.D., Science Policy Analyst

Office of Health Communication and Public Liaison

Blessing, Patricia, Chief Miranda-Acevedo, Robert, MPA, Science Writer/Public Liaison Officer Joy, Linda, Technical Writer

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

Myers, Christopher, Chief
Dabney, Sherry, Grants Management Officer
Doan, Hoai, Grants Management Specialist
Garcia, Maria, Grants Management Specialist
McNamara, Castilla, Ph.D., M.P.A., Grants Management Specialist
Myrbeck, Eddie, Grants Management Specialist
Ranney, Meigs, Grants Management Officer

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 Oaks, Stan, 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 Donahue, Amy, Ph.D., Deputy Director

Program Officers

Davis, Barry, Ph.D., Taste and Smell 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 Sklare, Daniel, Ph.D., Training Officer/Hearing and Balance Watson, Bracie, Ph.D., Hearing and Balance

Epidemiology & Statistics

Chiu, May, Program Analyst

Division of Extramural Administrative Support, OER, NIH

Holmes, Debbie, Extramural Support Assistant

Center for Scientific Review, NIH

Melchior, Christine, Chief, Integrative Function & Cognitive Neuroscience IRG Finkelstein, Judith, Ph.D., Scientific Review Officer Kenshalo, Daniel, 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

Dennis, Kyle, Ph.D., Veteran's Administration Outlaw, Deborah, Government Relations Counsel, American Tinnitus Association

Appendix 3

NIDCD Director's Report Slides

As Presented By

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

NDCD Advisory Council Meeting

September 12, 2008

National Institute on Deafness and Other Communication Disorders

September 2008 Council Budget Mechanism (Dollars in thousands)

				President's
	FY 2008	Appropriation	FY 2009	Request
Budget Mechanism	Number	Amount	Number	Amount
Research Projects				
Noncompeting	627	\$202,995	634	\$205,980
Admin. Supplements	(18)	1,150	(18)	1,150
Competing	214	62,964	202	59,572
Subtotal	841	267,109	836	266,702
SBIR/STTR	30	9,500	30	9,500
SBIIVSTIK		9,500		9,500
Subtotal, RPG's	871	276,609	866	276,202
Research Centers	20	17,079	20	17,079
Other Research	71	10,318	70	10,318
Total Research Grants	962	304,006	956	303,599
Individual Training	152	5,720	151	5,720
Institutional Training	201	7,980	200	7,980
R & D Contracts	52	22,000	52	22,000
Intramural Research		35,831		36,868
Research Mgmt. & Support		18,601		18,880
NIH Roadmap		0	-	0
TOTAL		\$394,138		\$395,047

Note: FY 2008 excludes Supplemental Appropriation in the amount of \$2,096 thousand.

National Institute on Deafness and Other Communication Disorders

September 2008 Council Competing Research Project Grants (Dollars in thousands)

September Council Funds for FY 2009 Competing R01's

Assumes President's Budget Level (\$ in thousands)

Total RPG Funds FY09 budget	\$276,202	
Less SBIR/STTR budget	-9,500	
Less Administrative Supplements budg	et -1,150	
Less Noncompeting updated estimate	-207,800	
Less FY09 "Carryover" Commitments from prior Council meetings	-1,304	
Less FY09 Program Requirements	-12,650	
Plus FY08 funds	5,700	
Total	\$49,498	•
	20% HPP	80% Regular
For FY 2009	\$9,900	\$39,598
Per Council Round	\$3,300	\$13,199