

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

**September 8, 2006**

**National Institutes of Health  
Bethesda, Maryland**

**MINUTES**

The National Deafness and Other Communication Disorders Advisory Council convened on September 8, 2006 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 8, 2006: 8:30 a.m. to 11:35 a.m. for review of individual grant applications; and

Open: September 8, 2006: 11:35 a.m. to 2:20 p.m, for the review and discussion of program development needs and policy.

Council members in attendance:<sup>1</sup>

Dr. Barry W. Ache  
Ms. Donna Bates Boucher  
Dr. Margaretha Casselbrant  
Dr. Edward Conture  
Dr. Nathan Fischel-Ghodsian  
Dr. Jennifer Horner  
Mr. Ronald Lanier  
Dr. Susan Goldin-Meadow

Dr. Sharon Moss  
Dr. John J. Ngai  
Dr. Donata Oertel  
Dr. Lorraine Ramig  
Dr. Steve Rauch  
Dr. Brenda M. Ryals  
Dr. Allen Ryan

Council members absent:

Ms. Myrna Orleck-Aiello  
Dr. Ernest Weymuller

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<sup>1</sup>For 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. John R. Franks  
Dr. Michael E. Hoffer

The Council roster is found as Appendix 1.

Various members of the public, as well as 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 six new members to the Council, and expressed appreciation to the entire Council for their service and advice. Because of prior commitments, Dr. Ernest Weymuller and Ms. Myrna Orleck-Aiello were unable to attend 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 11:35 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**

1. Consideration of Applications: On the Council's agenda was a total of 107 investigator-initiated research grant applications; 93 applications had primary assignment to NIDCD, in the amount of \$26.73 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 17th percentile.

## **B. Special Programs Actions**

1. Independent Scientist Award (K02): The Council recommended support of one application.
2. Mentored Clinical Scientist Development Award (K08): The Council recommended support of one application.
3. Mentored Patient-Oriented Research Career Development Awards (K23): The Council recommended support of one application.
4. NIDCD Research Core Center Grants (P30): The Council recommended support for one application.
5. Small Grants (R03): The Council recommended support for seven applications.
6. NIH Exploratory/Development Research Grant Award (R21): The Council recommended support of five applications.
7. Small Business Technology Transfer (STTR): The Council recommended support for one Phase I (R41) application and one Phase II (R42) application.
8. Small Business Innovation Research Awards (SBIR): The Council recommended support for two Phase I (R43) applications.
9. RFA DC06-001 Human Temporal Bone Consortium for Research Resource Enhancement (R24): The Council recommended support of three applications.
10. RFA DC07-001 NIDCD Developmental Grant for Patient-Oriented Research (R24): The Council recommended support of five applications.
11. RFA DC07-002 NIDCD Phased Infrastructure Grant for Patient-Oriented Research (R21/R33): The Council recommended support of four applications.

**IV. Report of the Council Workgroup on the  
SCS Study Section .....Dr. Barry Ache; Dr. John Ngai;  
Dr. Donata Oertel**

The NIDCD recently formed a working group to evaluate whether the Somatosensory and Chemosensory Systems (SCS) Study Section identifies the strongest, most insightful science in the chemical senses for support by NIDCD and, if not, develop recommendations to facilitate improvement. Members of the working group included three Council members, Dr. Barry Ache (Chair), Dr. John Ngai, Dr. Donata Oertel; and Dr. Charles Greer, Department of Neurosurgery, Yale University (a former Chair of SCS). Dr. Craig Jordan served as the Executive Secretary.

The report of this working group was e-mailed to each Council member for review prior to the meeting. Dr. Ache led a discussion of the working group's findings, and Council members added additional perspectives.

**V. Report of the Board of ..... Dr. Robert Wenthold  
Scientific Counselors**

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; the Deputy Director, NIDCD; the Director, Division of Intramural Research, NIDCD; and the Executive Secretary of the Council.]*

## OPEN SESSION

### VI. Opening Remarks .....Dr. Battey

Dr. Battey welcomed additional staff and several visitors to the open session of the meeting and introduced six new members of the Council:

- **Margaretha L. Casselbrant, Ph.D., M.D.**, is Director, Department of Pediatric Otolaryngology, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine. Dr. Casselbrant received her M.D. and Ph.D. from the University of Lund, Sweden. Her research interests include ear, nose and throat disease in children; hereditary aspects of otitis media, effects of otitis media on the vestibular system, and the treatment of otitis media. Dr. Casselbrant is a highly regarded clinical scientist and a member of numerous professional organizations, including the Association for Research in Otolaryngology, American Academy of Otolaryngology-Head and Neck Surgery Foundation, Inc., Deafness Research Foundation, and the American Otological Society.
- **Jennifer Horner, J.D., Ph.D.**, is Associate Professor and Chair, Department of Rehabilitation Sciences, Medical University of South Carolina. Dr. Horner received her Ph.D. in speech pathology from the University of Florida and her J.D. from the Boston University School of Law. Her major professional interests are in the areas of legal issues affecting the health professions, scientific integrity, and neurobehavioral communication disorders. She has reviewed for several journals including the Journal of Speech-Language-Hearing Research and the Journal of Allied Health. Dr. Horner is a member of the Steering Committee, Clinical Aphasiology Conference, the American Society of Law, Medicine and Ethics, and the American Health Lawyers Association.
- **Mr. Ronald L. Lanier**, is Director, Department for the Deaf and Hard of Hearing, Commonwealth of Virginia. Mr. Lanier received his B.S. in social welfare from the Virginia Commonwealth University. He is currently serving as Director of the Virginia Department for the Deaf and Hard of Hearing (VDDHH) and serves on the Virginia Board for People with Disabilities and the Challenge Discovery Project's Board of Directors. Mr. Lanier is a member of several professional organizations, including the Virginia Association of the Deaf (VAD), Self-Help for Hard of Hearing Persons (SHHH) and Black Deaf Advocates (BDA). He is co-founder (1980) of the Richmond/Hampton Organization of the Deaf and served as a parent representative on the National Mission Advisory Panel for the Clerc Center of Gallaudet University.
- **Sharon E. Moss, Ph.D.**, is Director, Scientific Programs & Research Development, Speech-Language-Hearing Science & Research Unit, American Speech-Language-Hearing Association. Dr. Moss received her Ph.D. in speech-language pathology/cognitive neuroscience from the University of Florida. She has been an

active member, with numerous leadership roles at several professional organizations, including the Maryland Speech-Language-Hearing Association, the National Aphasia Association, and the National Black Association of Speech-Language-Hearing. In addition to her research accomplishments, Dr. Moss has clinical certifications in Speech-Language Pathology and Neurologic Communication Disorders in Adults.

- **Lorraine O. Ramig, Ph.D.**, is Professor, Department of Speech, Language & Hearing Sciences, University of Colorado at Boulder and Wylbur James Gould Voice Center. Dr. Ramig received her Ph.D. in speech pathology and speech science from Purdue University. Her professional interests include the efficacy of voice treatment for individuals with Parkinson's disease and other neurological disorders; acoustic, perceptual and physiological characteristics of normal and disordered laryngeal function; voice and speech characteristics accompanying aging and neurological disease; and vocal tremor. She is a member of the American Speech-Language-Hearing Association, the Acoustical Society of America and the American Association of Phonetic Science. Dr. Ramig serves as an ongoing reviewer for multiple professional journals spanning speech, voice, neurology and laryngology.
- **Steven D. Rauch, M.D.**, is Associate Professor, Department of Otolaryngology and Laryngology, Harvard Medical School, Massachusetts Eye and Ear Infirmary. Dr. Steven Rauch received his M.D. from the University of Cincinnati. His research interests include auditory and vestibular neuroscience related to immunologic, biochemical and electrophysiologic tests to improve diagnosis and management of inner ear diseases. One collaborative project is studying novel measures of vestibular function in patients with Meniere's disease and electrical stimulation of the human vestibular system to develop an implantable vestibular neural prosthesis. Dr. Rauch is a member of several professional organizations, including the American Otological Society, the Association for Research in Otolaryngology, and the American Auditory Society.

#### Consideration of Minutes of the Meeting of May 19, 2006

Dr. Battey called members' attention to the minutes of the May 19, 2006 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 2008 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 26, 2007, in Building 31, Conference Room 6 on the NIH campus, Bethesda, Maryland.

## **VII. 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, Director of NIDCD's Division of Intramural Research (DIR), presented the 2006 report.

### *Investigators Tenured in 2006*

Dr. Andrew Griffith received tenure in February 2006. Dr. Griffith received his M.D/Ph.D. in Molecular Biophysics and Biochemistry at Yale University in 1992. He completed a General Surgery internship at the University of Michigan in 1993. From 1993 to 1998, he served as a resident, Otolaryngology-Head and Neck Surgery, University of Michigan. From 1994 to 1995, Dr. Griffith was a research fellow in Human Genetics, University of Michigan. He came to NIDCD in 1998 as a research fellow, after which he became a tenure track scientist in 2000. Dr. Griffith's research interests include understanding the functions of genes whose mutation results in hearing impairment, and the pathogenic mechanisms of their mutant alleles; and understanding how genetic and/or environmental factors can interact to cause hearing loss.

### *Tenure Track Investigators*

Two NIDCD investigators hold tenure-track appointments at this time. They include Dr. Doris Wu and Dr. Dennis Drayna. Tenured investigators on staff include Dr. Richard Chadwick; Dr. Thomas Friedman; Dr. Barry Horwitz; Dr. Kuni H. Iwasa; Dr. Bechara Kachar; Dr. Robert Wenthold; Dr. John Northup; Dr. Allen Braun (clinical); Dr. Carter Van Waes (clinical); Dr. Konrad Noben-Trauth , Dr. Matthew Kelley, and Dr. Andrew Griffith.

Dr. Wenthold announced that NIDCD is currently seeking a tenure-track scientist to establish an independent research program to study molecular and/or cellular mechanisms of hearing and balance. Applications will be accepted until December 15, 2006.

### *Board of Scientific Counselors*

Dr. Wenthold updated the Council on the membership of the Board of Scientific Counselors. A departing member is Dr. Diego Restrepo, University of Colorado (Chair). New members joining the BSC include Dr. Paul Fuchs, Johns Hopkins University, who will replace Dr. Restrepo as Chair; and Dr. Ron Hoy, Cornell University. Other members include: Dr. Miriam Meisler, University of Michigan; Dr. Nirupa Chaudhari, University of Miami, Dr. Gary Schoenwolf, University of Utah; Dr. Charles Liberman, Harvard University, Dr. Richard Chole, Washington University, and Dr. Richard Cheney, University of North Carolina.

5 Research Court Laboratories

Dr. Wenthold reported that the laboratories at 5 Research Court include about one-half of the Division's programs. The Division is undergoing renovation of existing animal space, and modest expansion of laboratory space at that site. The current plan is for the Division to leave that location by 2009, depending upon other construction projects.

**VIII. Report of the Director, NIDCD..... Dr. Battey**

Budget Considerations:

Dr. Battey began his presentation with a breakdown of the President's NIDCD Budget Request for FY 2007. He discussed how the \$272.9 million available for research project grants in the FY2007 Appropriation will be allocated. From this total, \$9.3 million is reserved for Small Business Research grants, \$0.75 million for administrative supplements, \$203.2 million for commitments to noncompeting grants, \$0.32 million for carryover commitments from prior Council meetings, \$9.3 million for program requirements, \$840 thousand for AIDS funding. An additional estimated \$600 thousand is available from FY06 funds. Twenty percent of the remaining \$49.9 million is designated for High Program Priority (HPP). Consequently, there are \$39.9 million available for the initial payline across the year's three Council meetings. This should allow funding of applications up to the 17<sup>th</sup> percentile. The \$9.9 million for HPP applications will be available to support additional applications. A copy of the slides Dr. Battey used for his budget presentation is included in these minutes as Appendix 3.

**IX. Scientific Presentation ..... Dr. Linda Bartoshuk**

Dr. Battey introduced Dr. Linda Bartoshuk, Professor, Department of Community Dentistry and Behavioral Science, College of Dentistry, University of Florida. Dr. Bartoshuk accepted NIDCD's invitation to discuss her research in a presentation entitled: "Taste and Waists: Taste Damage, Dietary Change, and Chronic Disease."

Following is an abstract of Dr. Bartoshuk's presentation:

*"Taste and Waists: Taste Damage, Dietary Change, and Chronic Disease"*

In the 1980s, a clinical initiative by NIH led to the establishment of Taste and Smell clinics. Those of us involved believed that restoring lost taste and smell function was right around the corner. We were wrong! Twenty five years later, we have faced the fact that restoration of lost taste and smell function is, for the most part, beyond today's science. Thus we now focus on the consequences of variation in chemosensory function due to pathology and we have generalized this to include genetic variation as well. This presentation will review some of our progress with special emphases on otitis media (middle ear infections); a history of otitis media is associated with obesity and we believe that this association comes about because otitis media damages taste.

Genetic variation in taste. We are born into different taste worlds and this affects food preferences, diet and thus health. Genetic variation in taste was discovered in the 1930s, but the full impact was not appreciated for many years. Now we know that some individuals are born with many more fungiform papillae (the structures that hold taste buds) than others. To these “supertasters,” tastes are about three times as intense as they are to those with the fewest taste buds (“nontasters”). Supertasters perceive about three times more oral burn (chilis) and oral touch (fats) because fungiform papillae are innervated by nerve fibers that mediate these sensations. In addition, supertasting affects olfaction in a surprising way. The nose actually has two biological functions; “orthonasal olfaction” (what we commonly call smell) refers to sniffing odorants from the outside world. “Retronasal olfaction” refers to perceiving the odorants associated with foods; these are forced up behind the palate into the nasal cavity by chewing and swallowing. Retronasal olfaction plus taste is referred to as “flavor.” The food industry has long known that taste affects retronasal olfaction; for example, to intensify the pear sensation in pear juice, producers can add sugar. Since supertasters perceive more intense taste, they also perceive more intense retronasal olfaction. Thus supertasters live in a neon food world compared to the pastel food world of the nontaster.

The large differences in the sensory properties of foods alters preference and intake and thus affects diseases where diet is a risk factor. For example, vegetable intake is a risk factor for colon cancer. We showed that nontasters perceive the fewest unpleasant sensations from vegetables, like them better, consume more of them and have the fewest colon polyps. On the other hand, we’ve shown that nontasters find high sweet, high fat foods very palatable, consume more of them and thus have a high risk for cardiovascular disease. Alcohol intake and smoking have also been linked to genetic sensory variation; nontasters are more likely to smoke and consume alcohol than are supertasters.

Pathology of taste: otitis media. The anatomy of the taste system makes it vulnerable to damage at several points. The chorda tympani taste nerve enervates the anterior tongue. As it leaves the tongue it passes through the same space as does the nerve carrying pain from lower teeth thus injection of dental anesthetics can damage it. The chorda then passes through the middle ear where ear infections can damage it. On its way to the brain, the chorda passes through bone where it is vulnerable to damage from head injury. The glossopharyngeal taste nerve is close to the tonsils and can be damaged by tonsillitis as well as surgery to remove the tonsils. In addition, taste can be damaged by medications (especially antibiotics) by mechanisms yet to be understood.

We have focused on otitis media because of its high incidence. Pathogens in the middle ear have easy access to the unprotected chorda tympani as it passes behind the eardrum. We have found that a history of moderate to severe otitis media almost doubles the risk of being overweight or obese. We hypothesize the following mechanism. Taste normally inhibits the oral sensations produced by fats. Damage to

taste releases that inhibition thus intensifying the fat sensations. Loss of taste input coupled with fat intensification increases the palatability of high fat foods. Over time, this leads to weight gain. Incidentally, that weight gain is more severe in supertasters.

Generalizing from the otitis media data, we suspect that taste loss from a variety of sources contributes to obesity. Our data show that taste perception declines with body mass index, just what we would expect if taste damage were contributing to obesity.

Take home lesson: a new concept for chemosensory clinics. Although a taste and smell clinic will always have a diagnostic core to assess the nature and extent of damage, we will no longer focus primarily on attempts to restore function. Rather, we will investigate links between chemosensory damage and health. We hope that emerging understanding of those links will suggest interventions.

#### **X. Report of the Director, Division of Scientific Programs ..... Dr. Judith Cooper**

Dr. Cooper welcomed Dr. Amy Donahue, Chief, Hearing and Balance/Vestibular Branch, back from her recent sabbatical; she also expressed her appreciation to Dr. Nancy Freeman, who covered for Dr. Donahue during her absence. Next, Dr. Cooper introduced Dr. Daniel Sklare, who discussed the NIH Loan Repayment Program.

##### *NIH Loan Repayment Program (LRP)*

Dr. Sklare explained that the goal of this program is to provide an incentive for “health professionals” to integrate clinical research, pediatric research and other targeted research areas into their career trajectories. There are two NIH-wide Extramural Loan Repayment Programs (LRPs) in which NIDCD is involved; these include Clinical Research LRP; and Pediatric Research LRP.

Clinical Research is defined by the NIH as “patient-oriented research,” and pediatric research is defined as research directly related to diseases, disorders and/or other conditions in children. Dr. Sklare outlined the qualifications that must be met in order to participate in the LRP.

Dr. Sklare completed his presentation by detailing the number of clinical/pediatric, new/renewal LRP applications received and awarded across the NIH since FY02, and summarized the allocations and awards made specifically by the NIDCD during that same time period. Of the 34 NIDCD LRP awards made in FY2006, awards ranged from \$5,000 to \$89,000; seventeen (fifty percent) are renewal awards; eleven awardees (32%) hold an NIH grant; and 29 awardees are Ph.Ds, 4 are M.Ds and there is one M.D./Ph.D.

Dr. Sklare encouraged Council's help in alerting both potential applicants and academic department chairs/program directors (particularly those in clinical departments) to the NIH LRPs. Additional information about the FY07 application process can be found on-line at [www.lrp.nih.gov](http://www.lrp.nih.gov) or by calling the LRP Help Line (866-849-4047).

**XI. Adjournment:** The meeting was adjourned at 2:20 p.m. on September 8, 2006.

## **XII. Certification of Minutes**

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

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

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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

Jeannie Combs  
Council Assistant

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<sup>2</sup> 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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## Appendix 1

### 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

ACHE, Barry W., Ph.D Director, Center for Smell and Taste Distinguished Professor of Zoology and Neuroscience, Whitney Laboratory University of Florida Gainesville FL 32610-0127	2007	HORNER, Jennifer, J.D., Ph.D. Associate Professor and Chair Department of Rehabilitation Sciences Medical University of South Carolina Charleston, SC 29425	2010
BATES-BOUCHER, Donna Bates Group, Inc. Eight Hyde Park Circle Denver, CO 80209	2009	LANIER, Ronald L. Director Virginia Department for the Deaf and Hard of Hearing Commonwealth of Virginia Richmond, VA 29425	2008
CASSELBRANT, Margaretha, Ph.D. Director Department of Pediatric Otolaryngology Children's Hospital of Pittsburgh University of Pittsburgh School of Medicine Pittsburgh, PA 15213-2583	2010	MOSS, Sharon E., Ph.D. Director Scientific Programs and Research Development Speech-Language-Hearing Science and Research Institute American Speech-Language-Hearing Assoc. Rockville, MD 20852	2008
CONTURE, Edward G., Ph.D. Professor and Director, Graduate Studies Vanderbilt University Medical Center DHSS Graduate Studies and Research Vanderbilt University Nashville, TN 37232-8242	2008	NGAI, John J., Ph.D. Professor of Neurobiology Department of Molecular and Cell Biology University of California Berkeley, CA 94720-3200	2007
FISCHEL-GHODSIAN, Nathan, M.D. Professor of Pediatrics Cedars-Sinai Medical Center Los Angeles, CA 90048	2009	OERTEL, Donata, Ph.D. Professor Department of Physiology University of Wisconsin Madison, WI 53706	2007
GOLDIN-MEADOW, Susan J., Ph.D. Beardsley Ruml Distinguished Service Professor Department of Psychology Division of Social Sciences University of Chicago Chicago, IL 60637	2008		

ORLECK-AIELLO, Myrna "MO" 2009  
CEO/President  
Abacus N Bytes, Inc.  
D/B/A TCS Associates  
Technical Computer Services  
Wheaton, MD 20902

RAMIG, Lorraine, Ph.D., CCC-SLP 2010  
Professor  
Department of Speech Language  
Hearing Sciences  
University of Colorado, Boulder  
Boulder, CO 80305

RAUCH, Steven D., M.D. 2010  
Associate Professor, Otolaryngology  
Department of Otology & Laryngology  
Harvard Medical School  
Massachusetts Eye and Ear Infirmary  
Boston, MA 02114

RYALS, Brenda M., Ph.D. 2007  
Professor  
Dept of Communication Sciences &  
Disorders  
James Madison University  
Harrisonburg, VA 22807

RYAN, Allen F., Ph.D. 2009  
Professor of Surgery/Otolaryngology  
Department of Surgery  
University of California at San Diego  
La Jolla, CA 92093-0666

WEYMULLER, Ernest A., M.D. 2009  
Chair and Professor  
Department of Otolaryngology-HNS  
University of Washington  
School of Medicine  
Seattle, WA 98195

#### **EX-OFFICIO MEMBERS:**

BECK, Lucille B., Ph.D.  
Director  
Audiology & Speech Pathology Service  
Department of Veterans Affairs  
Washington, DC 20422

FRANKS, John R., Ph.D.  
Chief, Bioacoustics and  
Occupational Vibration Section  
Physical Agent Effects Branch  
Division of Biomedical and Behavioral Science  
National Inst for Occupational Safety & Health  
Cincinnati, OH 45226

HOFFER, Michael E., M.D.  
Co-Director  
Department of Defense Spatial Orientation  
Center  
Department of Otolaryngology  
Naval Medical Center  
San Diego, CA 92134-5000

LEAVITT, Michael  
Secretary  
Department of Health and  
Human Services  
Hubert H. Humphrey Building  
Washington, DC 20201

ZERHOUNI, Elias A., 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 20892-7180

## Appendix 2

### ATTENDANCE LIST

Other than Council members, attendees at the September 8, 2006 Council meeting included:

#### NIDCD Staff:

##### Office of Health Communication and Public Liaison

Blessing, Patricia, Acting Chief

Wenger, Jenny, Technical Writer

##### Office of Administration

Kerr, W. David, Executive Officer

##### Financial Management Branch

Rotariu, Mark, Chief

##### Science Policy and Planning Branch

Wong, Baldwin, Chief

Montney, Lisa, Science Policy Analyst

##### Division of Extramural Activities

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

Combs, Jeannie, 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

Hamilton, Gail, Grants Management Specialist

McNamara, Castilla, Ph.D., 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 Administrator  
Oaks, Stanley C., Ph.D., Scientific Review Administrator  
Singh, Sheo, Ph.D., Scientific Review Administrator  
Yang, Shiguang A., Ph.D., Scientific Review Administrator

Division of Scientific Programs

Cooper, Judith, Ph.D., Director

Voice, Speech, Language, Smell and Taste Branch

Cooper, Judith, Ph.D., Program Director, Language Program  
Davis, Barry, Ph.D., Program Director, Smell and Taste Program  
Shekim, Lana, Ph.D., Program, Director, Voice & Speech Program  
Sklare, Daniel A., Ph.D., Program Director, Research Training and  
Development Program

Hearing and Balance/Vestibular Branch

Donahue, Amy, Ph.D., Chief  
Freeman, Nancy, Ph.D., Program Director, Hearing  
Luethke, Lynn, Ph.D., Program Director, Hearing  
Miller, Roger, Ph.D., Program Director, Hearing  
Platt, Christopher, Ph.D., Program Director, Balance/Vestibular  
Watson, Bracie, Ph.D., Program Director, Hearing

Translational Research Branch

Chin, Ling, M.D., MPH, Chief  
Hoffman, Howard, Program Director for Epidemiology & Biostatistics  
Jelen, Janet, Program Analyst

Division of Intramural Research

Wenthold, Robert., Ph.D., Director

Division of Extramural Administrative Support, OER, NIH

Holmes, Debbie, Extramural Support Assistant

Center for Scientific Review, NIH

Clayton, Edwin, Ph.D., Scientific Review Administrator  
Hoshaw, Brian, Ph.D., Scientific Review Administrator  
Kenshalo, Daniel, Ph.D., Scientific Review Administrator  
Melchoir, Christine, Ph.D., Chief, Integrative, Functional, and Cognitive Neuroscience IRG  
Ni, Weijia, Ph.D., Scientific Review Administrator  
Tian, Biao, Ph.D., Scientific Review Administrator

Office of Extramural Programs, NIH

Shino, Kathleen, Ph.D., Office of Extramural Research

Others

Bartoshuk, Linda, Ph.D., University of Florida

Berkowitz, Alicia, Masimax Resources

Dennis, Kyle, Ph.D., Veteran's Administration

Merrill, L., Sign Language Associates

Raymond, Rebekah, Sign Language Associates

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 8, 2006

# National Institute on Deafness and Other Communication Disorders

## September 2006 Council Budget Mechanism (Dollar in thousands)

<i>Budget Mechanism</i>	<u>FY 2006 Appropriation</u>		<u>FY 2007      President's</u>	
	<i>Number</i>	<i>Amount</i>	<i>Number</i>	<i>Request</i> <i>Amount</i>
Research Projects				
Noncompeting	641	\$203,434	630	\$202,695
Admin. Supplements	(23)	750	(23)	750
Competing	216	64,442	202	60,351
Subtotal	<u>857</u>	<u>268,626</u>	<u>832</u>	<u>263,796</u>
SBIR/STTR	<u>45</u>	<u>9,125</u>	<u>45</u>	<u>9,100</u>
Subtotal, RPG's	902	277,751	877	272,896
Research Centers	20	18,000	20	17,910
Other Research	<u>63</u>	<u>9,950</u>	<u>65</u>	<u>10,261</u>
Total Research Grants	985	305,701	962	301,067
Individual Training	144	5,500	143	5,473
Institutional Training	183	7,530	182	7,492
R & D Contracts	54	19,506	54	20,496
Intramural Research		33,960		34,290
Research Mgmt. & Support		17,745		18,011
NIH Roadmap		<u>3,516</u>		<u>4,727</u>
TOTAL		\$393,458		\$391,556

**National Institute on Deafness and Other Communication Disorders**

**September 2006 Council  
Competing Research Project Grants  
(Dollars in thousands)**

Total RPG Funds FY07 President's Budget	\$272,896		
Less SBIR/STTR updated estimate	-9,300		
Less Administrative Supplement Budget	-750		
Less Noncompeting updated estimate	-203,155		
Less FY07 "Carryover" Commitments from prior Council meetings	-315		
Less FY07 Program Requirements	-9,250		
Less FY07 AIDS co-funding	-840		
Plus FY06 estimated funds available	<u>600</u>		
<i>Total</i>		\$49,886	
		↙	↘
		<u>20% HPP</u>	<u>80% Regular</u>
For FY 2007	\$9,977		\$39,909



## Appendix 2

### ATTENDANCE LIST

Other than Council members, attendees at the September 8, 2006 Council meeting included:

#### NIDCD Staff:

##### Office of Health Communication and Public Liaison

Blessing, Patricia, Acting Chief  
Wenger, Jenny, Technical Writer

##### Office of Administration

Kerr, W. David, Executive Officer

##### Financial Management Branch

Rotariu, Mark, Chief

##### Science Policy and Planning Branch

Wong, Baldwin, Chief  
Montney, Lisa, Science Policy Analyst

##### Division of Extramural Activities

Jordan, Craig A., Ph.D., Director  
Combs, Jeannie, 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  
Hamilton, Gail, Grants Management Specialist  
McNamara, Castilla, Ph.D., 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 Administrator  
Oaks, Stanley C., Ph.D., Scientific Review Administrator  
Singh, Sheo, Ph.D., Scientific Review Administrator  
Yang, Shiguang A., Ph.D., Scientific Review Administrator

Division of Scientific Programs

Cooper, Judith, Ph.D., Director

Voice, Speech, Language, Smell and Taste Branch

Cooper, Judith, Ph.D., Program Director, Language Program  
Davis, Barry, Ph.D., Program Director, Smell and Taste Program  
Shekim, Lana, Ph.D., Program, Director, Voice & Speech Program  
Sklare, Daniel A., Ph.D., Program Director, Research Training and  
Development Program

Hearing and Balance/Vestibular Branch

Donahue, Amy, Ph.D., Chief  
Freeman, Nancy, Ph.D., Program Director, Hearing  
Luethke, Lynn, Ph.D., Program Director, Hearing  
Miller, Roger, Ph.D., Program Director, Hearing  
Platt, Christopher, Ph.D., Program Director, Balance/Vestibular  
Watson, Bracie, Ph.D., Program Director, Hearing

Translational Research Branch

Chin, Ling, M.D., MPH, Chief  
Hoffman, Howard, Program Director for Epidemiology & Biostatistics  
Jelen, Janet, Program Analyst

Division of Intramural Research

Wenthold, Robert., Ph.D., Director

Division of Extramural Administrative Support, OER, NIH

Holmes, Debbie, Extramural Support Assistant

Center for Scientific Review, NIH

Clayton, Edwin, Ph.D. Scientific Review Administrator  
Hoshaw, Brian, Ph.D., Scientific Review Administrator  
Kenshalo, Daniel, Ph.D., Scientific Review Administrator  
Melchoir, Christine, Ph.D., Chief, Integrative, Functional, and Cognitive Neuroscience IRG  
Ni, Weijia, Ph.D., Scientific Review Administrator  
Tian, Biao, Ph.D., Scientific Review Administrator

Office of Extramural Programs, NIH

Shino, Kathleen, Ph.D., Office of Extramural Research

Others

Bartoshuk, Linda, Ph.D., University of Florida

Berkowitz, Alicia, Masimax Resources

Dennis, Kyle, Ph.D., Veteran's Administration

Merrill, L., Sign Language Associates

Raymond, Rebekah, Sign Language Associates

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 8, 2006

# National Institute on Deafness and Other Communication Disorders

## September 2006 Council Budget Mechanism (Dollars in thousands)

<i>Budget Mechanism</i>	<u>FY 2006 Appropriation</u>		<u>President's Request</u>	
	<i>Number</i>	<i>Amount</i>	<i>Number</i>	<i>Amount</i>
Research Projects				
Noncompeting	641	\$203,434	630	\$202,695
Admin. Supplements	(23)	750	(23)	750
Competing	216	64,442	202	60,351
Subtotal	<u>857</u>	<u>268,626</u>	<u>832</u>	<u>263,796</u>
SBIR/STTR	<u>45</u>	<u>9,125</u>	<u>45</u>	<u>9,100</u>
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Intramural Research		33,960		34,290
Research Mgmt. & Support		17,745		18,011
NIH Roadmap		<u>3,516</u>		<u>4,727</u>
TOTAL		\$393,458		\$391,556

# National Institute on Deafness and Other Communication Disorders

## September 2006 Council Competing Research Project Grants (Dollars in thousands)

Total RPG Funds FY07 President's Budget	\$272,896	
Less SBIR/STTR updated estimate	-9,300	
Less Administrative Supplement Budget	-750	
Less Noncompeting updated estimate	-203,155	
Less FY07 "Carryover" Commitments from prior Council meetings	-315	
Less FY07 Program Requirements	-9,250	
Less FY07 AIDS co-funding	-840	
Plus FY06 estimated funds available	<u>600</u>	
<i>Total</i>	\$49,886	
	<u>20% HPP</u>	<u>80% Regular</u>
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