The National Deafness and Other Communication Disorders Advisory Council convened on May 20, 2016 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: May 20, 2016: 8:30 a.m. to 9:40 a.m. for review of individual grant applications; and
Open: May 20, 2016: 10:00 a.m. to 1:50 p.m., for the review and discussion of program development needs and policy.

Council members in Attendance:¹

<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Sarah Blackstone</td>
<td>Dr. Tommie Robinson</td>
</tr>
<tr>
<td>Dr. Diane Bless</td>
<td>Dr. Christoph Schreiner</td>
</tr>
<tr>
<td>Ms. Joan Kaye</td>
<td>Dr. Elba Serrano</td>
</tr>
<tr>
<td>Dr. Sue Kinnamon</td>
<td>Dr. Richard Smith</td>
</tr>
<tr>
<td>Dr. Jian-Dong Li</td>
<td>Dr. Helen Tager-Flusberg</td>
</tr>
<tr>
<td>Dr. M. Charles Liberman</td>
<td>Dr. Monte Westerfield</td>
</tr>
<tr>
<td>Dr. Joseph Perkell</td>
<td>Dr. Donald Wilson</td>
</tr>
</tbody>
</table>

Council members absent:

<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>Dr. David Lee</td>
<td>Dr. Debara Tucci</td>
</tr>
<tr>
<td>Dr. David Myers</td>
<td></td>
</tr>
</tbody>
</table>

Council ex-officio members in Attendance;

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Christa Themann</td>
</tr>
</tbody>
</table>

The complete Council roster is found in Appendix 1.

¹ 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.
NIDCD employees present during portions of the meeting:

Dr. Kathy Bainbridge  
Mr. Chris Carlsen  
Ms. May Chiu  
Dr. Laura Cole  
Dr. Judith Cooper  
Dr. Janet Cyr  
Ms. Susan Dambrauskas  
Mr. Hoai Doan  
Dr. Amy Donahue  
Dr. Nancy Freeman  
Ms. Maria Garcia  
Dr. Stephen Hirschfeld  
Mr. Howard Hoffman  
Ms. LaTanya Holmes  
Dr. Joanne Karimbakas  
Ms. Phalla Keng  
Dr. Eliane Lazar-Wesley  
Mr. Jixeon Lee  
Dr. Chuan-Ming Li  
Ms. Lonnie Lisle  
Ms. Melissa McGowan  
Dr. Castilla McNamara  
Dr. Roger Miller

Dr. Elyssa Monzack  
Mr. Christopher Myers  
Mr. Edward Myrbeck  
Mr. Eric Nunn  
Dr. Christopher Platt  
Dr. Kausik Ray  
Dr. Alberto Rivera-Rentas  
Mr. Mark Rotariu  
Dr. Elka Scordalakes  
Dr. Lana Shekim  
Dr. Katherine Shim  
Dr. Sheo Singh  
Ms. Nanette Stephenson  
Dr. Melissa Stick  
Dr. Susan Sullivan  
Dr. Jean Tiong-Koehler  
Ms. Kelli VanZee  
Dr. Bracie Watson  
Ms. Ginger Webb  
Mr. Timothy Wheeles  
Mr. Baldwin Wong  
Dr. Shiguang Yang

Other federal employees present during portions of the meeting:

Dr. John Bishop, CSR  
Dr. Paek Lee, CSR  
Dr. Biao Tian, CSR  
Dr. Judy Schafer, VA  
Dr. Wind Cowles, CSR  
Dr. Cristina Cassetti, NIAID  
Dr. Kristen Casto, DOD  
Dr. Rachel McArdle, VA

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

Ms. Jen McCulley IQ Solutions  
Dr. Joshua Alexander, Purdue University  
Dr. Francoise Brosseau, Purdue University
CLOSED SESSION

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

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

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

Procedural Matters

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

III. Council Consideration of Pending Applications

A. Research Project Grant Awards

1. Consideration of Applications: On the Council’s agenda was a total of 143 investigator-initiated R01 grant applications; 127 applications had primary assignment to NIDCD, in the amount of $41.9 million first-year direct costs. It is anticipated that, of the applications competing at this Council, NIDCD will be able to award grants to R01 applications scoring up through the 15th percentile.

B. Special Programs Actions

1. NIH Mentored Patient-Oriented Research Career Development Award (K23): The Council recommended support of two applications.

2. NIH Midcareer Investigator Award in Patient-Oriented Research (R24): The Council recommended support of one application.

3. NIH Pathway to Independence (PI) Award (K99): The Council recommended support of two applications.

4. NIH Small Grants (R03): The Council recommended support of twelve applications.

5. NIH Support for Conferences and Scientific Meetings (R13): The Council recommended support of three applications and partial support for one application with dual assignment.


7. NIH Exploratory/Development Research Grant Award (R21): The Council recommended support of five applications.
8. NIH Small Business Technology Transfer Awards (STTR): The Council recommended support of one Phase I (R41) application.

9. NIH Small Business Innovation Research Awards (SBIR): The Council recommended support for one Phase I (R43) application.

10. NIH Small Business Innovation Research Awards (SBIR): The Council recommended support for four Phase II (R44) applications.


OPEN SESSION

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

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

Recognition of New Members

- **Dr. Christoph Schreiner** is Professor and Vice Chairman in the Department of Otolaryngology-Head and Neck Surgery (OHNS) at the University of California, San Francisco. He received his doctoral degree in physics. He received his medical degree from Georgia-Augusta-Universität and the Max-Planck-Institute for Biophysical Chemistry, Gottingen, Germany. Dr. Schreiner’s research focuses on understanding of the functional organization of central auditory stations of the mammalian brain. He is mainly interested in the role of the auditory forebrain (medial geniculate body and auditory cortex) in the encoding of complex auditory signals – such as speech and communication signals – in normal and hearing-impaired models. By combining physiological, neuroanatomical, and computational approaches, Dr. Schreiner and his colleagues attempt to provide a better understanding of the cortical processing of complex sounds and its contribution to sound perception. He is a member of many professional organizations such as the Association for Research in Otolaryngology and the Society for Neuroscience. He has published over 140 reviewed articles, and he has also contributed to over 50 book chapters. Welcome Christoph.

One of the Council’s Ex Officio members, Dr. Rick Davis, recently retired and Ms. Christa Themann was nominated by the Director of the Centers for Disease Control and Prevention (CDC) to fill that vacancy on our Council.

- **Ms. Christa Themann** received her master’s degree in Audiology from the University of Cincinnati. She has a certification in clinical competence in Audiology and is pursuing a doctoral degree in Epidemiology. Ms. Themann is currently a Research Audiologist on the Hearing Loss Prevention Team of the Engineering and Physical Hazards Branch in the Division of Applied Research and Technology with the National Institute for Occupational Safety and Health (NIOSH) which is a part of the CDC. Her research interests include epidemiology of noise exposure and hearing loss, public health outreach programs for hearing loss prevention and utilization of social media and special
needs of workers with hearing loss and the definition of hearing critical jobs. Ms. Themann’s professional activities include membership with organizations such as the American Speech-Language-Hearing Association and the National Hearing Conservation Association. She has received many awards from various organizations such as Bullard-Sherwood Award for Research to Practice (Technology Category) in 2013. Ms. Themann has an array of publications in several professional journals, some co-authored with NIDCD scientists.

Recognition of Retiring Members

Dr. Battey thanked the following retiring members for their service on the Advisory Council and presented them with certificates of appreciation. He also invited each one to provide parting remarks:

- Ms. Joan Kaye
- Dr. Joe Perkell
- Dr. Tommie Robinson
- Dr. Helen Tager-Flusberg

Consideration of Minutes of the Meeting of January 22, 2016

Dr. Battey called the members’ attention to the minutes of the January 22, 2016 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 2018 have been established. A list of these meetings was distributed to the Council members and posted on the web site prior to this meeting. The next meeting of the Council is scheduled for Friday, September 9, 2016, in Building 31, Conference Room 6 on the NIH campus, Bethesda, Maryland.

V. Report of the Director, NIDCD ................................................................. Dr. Battey

Budget Update

Dr. Battey began his presentation by pointing out that the FY 2016 Operating Budget for NIDCD reflects an approximate increase of $17.5 million over the FY 2015 budget. With this budget increase NIDCD will fully fund 2016 Noncompeting Research Projects, unlike the reductions imposed in recent years. Competing Research Project grants (RPGs) continue to be a high priority for NIH and NIDCD and will receive ~70% of the overall increase. We estimate we will be able to award 33 more Competing RPG’s than last year. Individual and institutional training stipends are being increase by 2%. With OMB guidance for next fiscal year, the NIH administration is requesting an increase of $825 million, or about 2.5%. Those increased dollars are targeted for an increase to NCI of $680 million to accelerate cancer research—the cancer “moonshot” initiative. Another $145 million is targeted to the NIH OD for the BRAIN and Precision Medicine initiatives. The NIH budget request does not include any increases for the other IC’s relative to FY 2016. Due to the relatively large increase in NIDCD’s FY 2016 budget for Competing RPG’s, noncompeting RPG costs go up by $16 million in FY 2017. With a flat budget in FY 2017, the dollars available for competing RPG’s would go down by ~$16 million. As witnessed in the past, such a fluctuation in funding would result in a roller-coaster effect on our ability to fund competing RPG’s.
NIDCD’s Operating Budget for FY 2016 is $422.9 million. Once other components of the NIDCD budget are considered there would be $304.2 million available for research project grants. From this total, $12.5 million is reserved for Small Business Research grants, $2.5 million for administrative supplements, $210.6 million for commitments to noncompeting grants, $2.2 million for commitments carried over from FY2015, and $18.9 million for program requirements. An additional estimated $1.1 million was applied from end of year FY 2015 funds. Of the remaining $58.6 million, twenty percent ($11.7 million) is designated for High Program Priority (HPP). Consequently, there is $46.9 million available for the initial R01 pay line across the year’s three Council meetings. This should allow funding of R01 applications up through the 15th percentile. The $11.7 million for HPP applications will be available to support additional applications throughout the year.

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

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

Dr. Cooper introduced Mr. Howard Hoffman, the head of the Epidemiology and Statistics Program at NIDCD who provided an update on NIDCD’s Collaborative Epidemiologic Research Studies. The Epidemiology and Statistics Program has a number of goals including the maintenance of selected data sets from population-based studies in the NIDCD mission areas and the sponsoring/collecting of new data sets, using Interagency Agreements (IAAs), research contracts, and research grants. Many of these efforts are cooperative in nature involving development of exams and interview content, data analysis, and presentation/publication of findings. In his presentation, Mr. Hoffman focused his talk specifically on multi-year efforts negotiated via IAAs with the National Center for Health Statistics (NCHS) and the Department of Education, National Center for Education Statistics (NCES). Specific studies during these collaborations have spanned many years to decades and have included the National Health Interview Survey (NHIS), National Health and Nutrition Examination Survey (NHANES), and the Early Childhood Longitudinal Study (ECLS).

We have learned much about hearing health such as national estimates for age-specific prevalence of hearing loss, tinnitus, frequency of hearing exams, use of hearing protection and use of hearing aids. These large studies allow the examination of co-morbidities with other illnesses/conditions and evaluation of risk factors. A number of examples were provided of data that has been obtained from these studies and the types of new data still to come. Through ongoing collaborations over the years, additional focusses have been introduced to these studies, beyond just hearing-related measures to include voice, speech, language, balance, and even taste and smell. The taste and smell testing was incorporated into designated space in the NHANES mobile exam center that travels around the country. Mr. Hoffman closed by introducing other staff of the NIDCD’s Epidemiology and Statistics Program.

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

Dr. Jordan introduced Dr. Katherine Shim, Ph.D. who joined NIDCD’s Scientific Review Branch as a Scientific Review Officer in October 2015. Next he provided a summary of Interim Actions handled by the Grants Management Branch over the past year; administrative actions performed on funded research grants in between council meetings.

Dr. Jordan summarized three changes ongoing at NIH including the addition of Rigor and Reproducibility elements into grant applications, that there are major changes to grant applications with new application packages (FORMS-D), totally restructured application guides,
and new biosketch instructions and format pages. Also, there is a Notice of Intent to Release Names of NIH-Funded Research Project Personnel (NOT-OD-16-088) which is in response to an Executive Order to make federal agencies information resources more accessible to the public. The information to be made public is limited to the name, degrees, role on the project and if applicable the foreign organization and country. This increased level of reporting will be effective for FY2016 awards.

Finally, Dr. Jordan presented data on multi-year trends of NIDCD R01 application numbers, success rates, and average costs. He highlighted how the trends changed over time when compared to fluctuations in the appropriation, inflation, and provided comparisons to overall NIH figures.

VIII. Scientific Presentation

Dr. Battey introduced Dr. Mary Pat Moeller who is the Director of the Center for Childhood Deafness and the Infant Language Development Laboratory at the Boys Town National Research Hospital. Dr. Moeller agreed to present her research entitled, “Longitudinal outcomes of preschoolers with mild to severe hearing loss: the impact of inconsistent access to auditory-linguistic input.” She provided the following abstract and recognized co-author J. Bruce Tomblin, University of Iowa:

Early and consistent access to linguistic input is important if not essential for speech and language development in typically developing children. Our research suggests that permanent hearing loss places young children at risk for language delays to the extent that it restricts access to speech and language input. The historical literature documents extensive delays in speech, language, academic, and psychosocial development in children who are deaf or hard of hearing. However, researchers are now met with a new generation of children who are commonly identified in infancy and receive early interventions that include improved hearing technologies. Although the expectation is that these service innovations should prevent or minimize speech and language delays, the requisite studies documenting children’s outcomes are only recently emerging. With support from the NIDCD, our team systematically explored factors predicted to influence children’s access to linguistic input through a multi-site, longitudinal study of the outcomes of more than 300 children with mild to severe hearing loss (Outcomes of Children with Hearing Loss, OCHL). Our research team concluded that the language learning system is vulnerable when there are constraints in the availability of auditory-linguistic cues. We also found that gain in audibility provided by hearing aids reduces this vulnerability. This presentation will describe longitudinal results from the OCHL study, with emphasis on three major factors found to influence children’s auditory-linguistic access and longitudinal outcomes: 1) audibility of speech sounds with hearing aids, 2) consistency and duration of hearing aid use, and 3) characteristics of caregivers’ language input. Risk and protective factors that influence the outcomes of early- and later-identified children who are hard of hearing will also be described. Throughout the discussion, we will consider ways in which research with this group of children can inform more general theories of child language acquisition.

(This work was supported by NIH-NIDCD R01DC009560.)
IX. Progress on the NIDCD Strategic Plan .................................................. Mr. Baldwin Wong
Update ..........................................................................................................Dr. Charles Liberman

The NIDCD’s strategic plan is in the process of being updated by the NIDCD Strategic Plan Working Group and a number of working group meetings have been held since the effort was initiated last January. The working groups have been focused on identifying Scientific Advances from the last five years and proposing new Research Objective for the next five years. Dr. Liberman highlighted specific examples of new research objectives from across NIDCD’s seven mission areas: hearing, balance, taste, smell, voice, speech, and language.

Progress has been made thanks in large measure to the efforts of the working group members, many of them in attendance today. Buck Wong provided a timeline to completion, including comment periods by the full Council, NIDCD staff, and later in the year, by members of the public. The goal is to have the 2016-2021 NIDCD Strategic Plan posted on the NIDCD website in January 2017. The next step is to provide a first draft to Council for consideration/comment by late June 2016.

X. Enhancing Research Reproducibility .................................................. Dr. Shai Silberberg
Perspectives and Initiatives

Dr. Shai Silberberg presented his talk on “Enhancing Research Reproducibility: NIH/NINDS Perspectives and Initiatives” to the Council. He has been involved in trans-NIH efforts addressing this topic. One of the early efforts was when NINDS convened major stakeholders in 2012 to discuss how to improve the predictive value of preclinical research used as the premise to support clinical research.

The quality of research depends on the rigor with which researchers conduct studies and control for potential biases. Recent publications and meetings have focused on the observation that published research results are often not reproducible. Although there are many possible causes for this problem, unintentional bias, poor experimental design and inadequate reporting appear to be significant contributing factors. Evidence for this deduction will be presented, as well as actions taken by the US National Institutes of Health (NIH) and publishers to address the issues.

XI. Adjournment

The meeting was adjourned at 1:50 p.m. on May 20, 2016.
XII. Certification of Minutes

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

6/22/2016 /Craig A. Jordan/
Craig A. Jordan, Ph.D.
Executive Secretary
National Deafness and Other Communication Disorders Advisory Council

6/22/2016 /James F. Battey, Jr. /
James F. Battey, Jr., M.D., Ph.D.
Chairman
National Deafness and Other Communication Disorders Advisory Council

__________________________

Ginger Webb
Council Assistant
NDCD Advisory Council

NOTE: These minutes will be approved formally by the Council at the next meeting on September 9, 2016, and corrections or notations will be stated in the minutes of that meeting.
APPENDICES

APPENDIX 1    NDCD Advisory Council Roster ................................................................. 11
APPENDIX 2    NIDCD Director’s Report Slides ................................................................. 13
Appendix 1
Roster
National Deafness and Other Communication Disorders Advisory Council
(Terms end on 5/31 of the designated year)

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

BLACKSTONE, Sarah W., Ph.D.  2019
President and CEO
Augmentative Communication, Inc.
Monterey, CA 93940

BLESS, Diane M., Ph.D.   2018
Professor Emeritus
Departments of Communicative Disorders and Surgery
University of Wisconsin – Madison
School of Medicine
Madison, WI 53792

KAYE, Joan     2016
Executive Director
Sophie’s Soundcheck
New York, NY 10128

KINNAMON, Sue C., Ph.D.   2019
Professor
Department of Otolaryngology
University of Colorado, Denver
Aurora, CO 80045

LEE, David J., Ph.D.    2018
Professor
Department of Public Health Sciences
University of Miami School of Medicine
Miami, FL 33136

LI, Jian-Dong, M.D., Ph.D.   2018
Georgia Research Alliance Eminent Scholar
Director, Center for Inflammation, Immunity and Infection
Professor, Department of Biology
Georgia State University
Atlanta, GA 30303

LIBERMAN, M. Charles, Ph.D.  2019
Director, Eaton-Peabody Laboratory
Department of Otology and Laryngology
Harvard Medical School
Boston, MA 02114

MYERS, David G., Ph. D.   2017
Professor
Hope College
Department of Psychology
Holland, MI 49422

PERKELL, Joseph S., Ph.D., D.M.D.  2016
Research Affiliate
Research Laboratory of Electronics
Massachusetts Institute of Technology
Cambridge, MA 02446

ROBINSON, Jr., Tommie L., Ph.D.  2016
Chief, Division of Hearing and Speech
Children's Hearing and Speech Center
Children's National Medical Center
Washington, DC 20009

SCHREINER, Christoph, M.D., Ph. D.  2019
Professor and Vice Chairman
Department of Otolaryngology – Head and Neck Surgery
Center for Integrative Neuroscience
School of Medicine
University of California, San Francisco
San Francisco, CA 94158

SERRANO, Elba E., Ph.D.   2017
Regents Professor
Department of Biology
New Mexico State University
Las Cruces, NM 88003
SMITH, Richard J. H., M.D.  2018
Professor
Department of Otolaryngology
University of Iowa – Carver College of Medicine
Iowa City, IA 52242

TAGER-FLUSBERG, Helen, Ph.D.  2016
Professor
Department of Psychological and Brain Sciences
Boston University
Boston, MA 02215

TUCCI, Debara L., M.D.  2017
Professor
Division of Otolaryngology
Department of Surgery
Duke University Medical Center
Durham, NC 27710

WESTERFIELD, Monte, Ph.D.  2017
Professor and Chair
Institute of Neuroscience
Department of Biology
University of Oregon
Eugene, OR 97403

WILSON, Donald A., Ph. D.  2019
Senior Research Scientist and Deputy Director
Emotional Brain Institute
The Nathan S. Kline Institute for Psychiatric Research
Professor
New York University School of Medicine
Orangeburg, NY 10962

Ex Officio

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

THEMANN, Christa, M.S. CCC-A
Research Audiologist
Hearing Loss Prevention Team
Division of Applied Research and Technology
National Institute for Occupational Safety and Health (NIOSH)
Cincinnati, OH 45226

BURWELL, Sylvia M.
Secretary
Department of Health and Human Services
Washington, DC 20201

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

Executive Secretary

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

James F. Battey, Jr., M.D., Ph.D.
NIDCD Advisory Council Meeting
May 20, 2016
# National Institute on Deafness and Other Communication Disorders

## May 2016 Council Budget Mechanism
(Dollars in thousands)

<table>
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<th>Budget Mechanism</th>
<th>FY 2015 Final Allocation</th>
<th>FY 2016 Enacted</th>
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<tr>
<td></td>
<td>Number</td>
<td>Amount</td>
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<tr>
<td>Research Projects</td>
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<tr>
<td>Noncompeting</td>
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<td>SBIR/STTR</td>
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<td>11,321</td>
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<td>Subtotal, RPG's</td>
<td>763</td>
<td>286,711</td>
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<td>Research Centers</td>
<td>18</td>
<td>17,039</td>
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<tr>
<td>Other Research</td>
<td>67</td>
<td>12,991</td>
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<tr>
<td>Total Research Grants</td>
<td>848</td>
<td>316,741</td>
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<td>Individual Training</td>
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<td>4,894</td>
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<td>Institutional Training</td>
<td>160</td>
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<td>R &amp; D Contracts</td>
<td>30</td>
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<td>Intramural Research</td>
<td>36,711</td>
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<tr>
<td>Research Mgmt. &amp; Support</td>
<td>20,126</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$405,207</strong></td>
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May 2016 Council Funds for FY 2016 Competing R01’s

Based on FY 2016 Enacted Level - $422.936 million
($ in thousands)

- Estimated Total RPG budget: $304,196
- Less estimated SBIR/STTR budget: -12,500
- Less estimated Admin. Supplements budget: -2,500
- Less estimated Noncompeting budget: -210,600
- Less FY16 “Carryover” Commitments from prior Council meetings: -2,184
- Less FY16 Program Requirements: -18,907
- Plus FY15 funding for Sept 2015 applications: 1,100

Total: $58,605

20% HPP: $11,721
80% Regular: $46,884

Per Council Round: $3,907 $15,628