

## NIDUS Collaborative Happy Hour- July 28, 2021

Presenter: Sharon Inouye, MD, MPH

Time	Section
00:18	<p><b><u>Agenda</u></b></p> <ul style="list-style-type: none"> <li>• Goals of Happy Hours</li> <li>• Introductions</li> <li>• Overview of NIDUS resources</li> <li>• Forming a collaborative working group: benefits and potential</li> <li>• Requirements for pilot awards</li> <li>• Q&amp;A/Open Discussion</li> <li>• Questions in chat!</li> </ul>
01:32	<p><b><u>Goals and Objectives</u></b></p> <ul style="list-style-type: none"> <li>• The goal of the NIDUS Happy Hours are to catalyze collaborative working groups who will work together to design projects and to compete for the NIDUS II Pilot Awards</li> <li>• During the happy hour we will: <ul style="list-style-type: none"> <li>○ Overview the NIDUS resources and how researchers can utilize them to accomplish their work,</li> <li>○ Review requirements for NIDUS pilot proposals, and</li> <li>○ Create a forum to enhance and launch new collaborations</li> </ul> </li> </ul>
03:44	<p><b><u>Introductions</u></b></p> <ul style="list-style-type: none"> <li>• Your name, organization, role</li> <li>• What area of delirium research are you interested in pursuing with potential collaboration?</li> </ul>
29:38	<p><b><u>Why form a collaborative group?</u></b></p> <ul style="list-style-type: none"> <li>• Meet like-minded investigators working in related areas</li> <li>• Advance your work and develop innovative projects to move forward</li> <li>• Complete pilot studies to help launch future grants and papers</li> </ul>
31:51	<p><b><u>Using NIDUS Resources to Advance your Research/ What are some NIDUS Resources?</u></b></p> <ul style="list-style-type: none"> <li>• Delirium Research Hub <ul style="list-style-type: none"> <li>○ Human hub: &gt;700 indexed studies (to date)</li> <li>○ Animal hub: &gt;100 indexed studies (to date)</li> </ul> </li> <li>• Collaboration Communication Site</li> <li>• Measurement Information cards and harmonization tools</li> <li>• Pilot Award Funding</li> </ul>
34:40	<p><b><u>Research Hub</u></b></p> <ul style="list-style-type: none"> <li>• Building connections and collaborations using NIDUS: <ul style="list-style-type: none"> <li>○ Enter your study into the NIDUS Research Hub to help other researchers find you—potential collaborators and shared resources</li> <li>○ Use the Research Hub to search for similar studies or find investigators willing to share data, resources, samples!</li> <li>○ Find contact information for delirium investigators working in related areas of interest.</li> <li>○ The NIDUS collaboration communication site is a great resource to identify collaborators, or locating other datasets of interest, or discovering studies for harmonization!</li> </ul> </li> <li>• Human Research Hub Example <ul style="list-style-type: none"> <li>○ Real-life example: find collaborators for a biomarker validation study</li> <li>○ 1. Search on the delirium research hub, customize search strategy using the “Customize Table Columns” function (can search for studies that included biomarkers)</li> <li>○ 2. View the project abstract to determine if the study is relevant</li> <li>○ 3. Export relevant studies to CSV file using the “Export Selected Study Information” button</li> <li>○ 4. Create email “hit” list using contact info from the studies</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>○ 5. Enter your study on the hub so other investigators looking for collaborators can find you and your study</li> <li>○ 6. Post on the Collaboration Communication Site</li> </ul>
39:15	<p><b><u>Measurement Core</u></b></p> <ul style="list-style-type: none"> <li>● Measurement Info Cards: <ul style="list-style-type: none"> <li>○ Includes &gt;32 screening, diagnostic, and severity measures (35 adult instruments, 5 brief screening tools, 5 pediatric instruments)</li> <li>○ Updated COSMIN quality ratings on all info cards</li> </ul> </li> <li>● Delirium Severity Measure Summary Table (Systematic Review) <ul style="list-style-type: none"> <li>○ Summary info on 14 delirium severity measures such as number of items, approximate time to administer, certification or training required, and notes on background for development of the scale</li> </ul> </li> <li>● Delirium Severity Measures Crosswalk/Harmonization Tool <ul style="list-style-type: none"> <li>○ A score conversion tool for 3 delirium severity instruments- the CAM-S, DRS-R-98, and MDAS</li> </ul> </li> <li>● Delirium Severity Measure Symptom Coverage Table <ul style="list-style-type: none"> <li>○ Compares 17 commonly-used delirium severity measures by symptoms included in each measure</li> </ul> </li> <li>● Delirium Item Bank, Measurement Tool Crosswalk software (GitHub)</li> </ul>
45:28	<p><b><u>Delirium Bibliography</u></b></p> <ul style="list-style-type: none"> <li>● Quickly search the delirium literature with access to full abstracts: <ul style="list-style-type: none"> <li>○ Over 3,900 key-word indexed delirium articles</li> <li>○ Updated monthly by the NIDUS team</li> <li>○ Abstracts are linked to Pubmed or full PMC text when available</li> </ul> </li> </ul>
46:23	<p><b><u>Collaboration</u></b></p> <ul style="list-style-type: none"> <li>● Building connections and collaborations <ul style="list-style-type: none"> <li>○ Annual NIDUS Delirium Boot Camp, a 2.5 day-long intensive workshop encompassing all aspects of delirium research, from study design &amp; methodology to a practice grant review session <ul style="list-style-type: none"> <li>▪ Can watch previous boot camp lectures</li> </ul> </li> <li>○ American Delirium Society Annual Meeting</li> </ul> </li> </ul>
47:52	<p><b><u>NIDUS II Collaborative Awards</u></b></p> <ul style="list-style-type: none"> <li>● Compete for NIDUS II Collaborative Awards (10 to be offered!): one-page letters of intent due 11/15/21</li> <li>● Letter of Intent (LOI) requirements: <ul style="list-style-type: none"> <li>○ NIDUS II focus area</li> <li>○ Collaborative group (see pilot details)</li> <li>○ Use NISUA cores and resources</li> <li>○ Leading to larger study or grant</li> <li>○ Letters of intent must be submitted by a single principal investigator</li> </ul> </li> <li>● Ten \$1,000 NIDUS II Collaborative Awards will be awarded based on LOI</li> </ul>
48:55	<p><b><u>Goal of NIDUS II Pilot Studies</u></b></p> <ul style="list-style-type: none"> <li>● These awards are designed to support studies related to delirium that provide key preliminary data, exploratory proof-of-concept pilot work, feasibility studies, or secondary analyses that define a clear pathway to future large-scale studies and grants</li> <li>● In NIDUS II Priority Areas... <ul style="list-style-type: none"> <li>○ Inter-relationship of delirium and ADRD</li> <li>○ Measurement of delirium</li> <li>○ Pathophysiology</li> <li>○ Clinical Trials</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Example Studies: <i>IDEAS</i> <ul style="list-style-type: none"> <li>○ Risk of incident dementia following delirium from different etiologies or settings</li> <li>○ Cross-validation of biomarkers across studies</li> <li>○ Systematic reviews or meta-analyses of related studies on delirium (e.g. risk factors, prognosis, treatment)</li> <li>○ Comparison of delirium measures across multiple studies</li> </ul> </li> <li>• There are just a few examples</li> <li>• How they differ from NIDUS I grants? <ul style="list-style-type: none"> <li>○ Must address NIDUS II priority areas</li> <li>○ Utilization of NIDUS II resources and infrastructure is essential</li> <li>○ The work funded by the grant should be conceived such that it is intended to lead to a large independent (federal or other) grant (e.g. R01, U mechanism, PCORI, NSF, etc.)</li> </ul> </li> <li>• Examples of using NIDUS resources to developing a pilot study: <ul style="list-style-type: none"> <li>○ Assemble a team—utilize NIDUS Collaboration Communication site</li> <li>○ Develop a protocol—NIDUS Delirium Bibliography</li> <li>○ Data/specimen sources—NIDUS Research Hub</li> <li>○ Data Collection/Synthesis of data—NIDUS Measurement Core</li> <li>○ Develop the pilot—Collaborative Working Group!</li> </ul> </li> </ul>
52:06	<p><b><u>Requirements for NIDUS Pilot Program</u></b></p> <ul style="list-style-type: none"> <li>• \$40,000: two awards—Deadline April 1, 2022</li> <li>• Required: <ul style="list-style-type: none"> <li>○ Approved pre-application (LOI)</li> <li>○ NIDUS II methods consultation</li> <li>○ Note: NIDUS II Collaborative award is NOT required to apply for a NIDUS II Pilot grant</li> </ul> </li> <li>• Must complete 4-page brief NIH style proposal</li> <li>• Must focus on a NIDUS II priority area</li> <li>• Must lay the groundwork for a future large grant or study</li> <li>• Utilize the NIDUS cores and resources to accomplish the work in substantive ways</li> <li>• Research from basic science to population health is eligible (i.e. research across the continuum [T0-T4])</li> <li>• Involve up to 5 investigators from multiple disciplines, across 2-3 institutions (max 3 subcontracts).</li> <li>• Preference for projects that include junior investigator(s)</li> </ul>
55:38	<p><b><u>Suggested Phases in Developing a Pilot</u></b></p> <ul style="list-style-type: none"> <li>• Phase 1: Happy Hours <ul style="list-style-type: none"> <li>○ Assemble a team—utilize NIDUS Collaboration Communication site</li> <li>○ Exploring the resources</li> <li>○ Brainstorming the research</li> </ul> </li> <li>• Phase 2: Collaborative Working Groups and Awards <ul style="list-style-type: none"> <li>○ Refine the research</li> <li>○ Finalize the team</li> <li>○ Submit LOI</li> <li>○ Be eligible for a NIDUS Collaborative Award</li> </ul> </li> <li>• Phase 3: NIDUS II Pilot Award <ul style="list-style-type: none"> <li>○ Prior to Happy Hour participant and Collaborative Awards are helpful, but NOT required</li> <li>○ Approved LOI required</li> <li>○ NIDUS II Methods consultation required</li> <li>○ 4-page NIH-type proposal</li> <li>○ Must address NIDUS priority areas</li> </ul> </li> </ul>
56:44	<p><b><u>The following considerations are important for pilot grants:</u></b></p>

	<ul style="list-style-type: none"><li>• Interdisciplinary research teams are essential</li><li>• Specific NIDUS II research areas must be addressed</li><li>• There is a strong emphasis on diversity, equity, and inclusion if feasible. This applies to members of the transdisciplinary research team and research participants</li><li>• Vetting and refinement process with methods consultation, and involving your colleagues and experts is recommended, increasing the likelihood of impact and success</li></ul>
58:03	<b><u>NIDUS Information</u></b>