

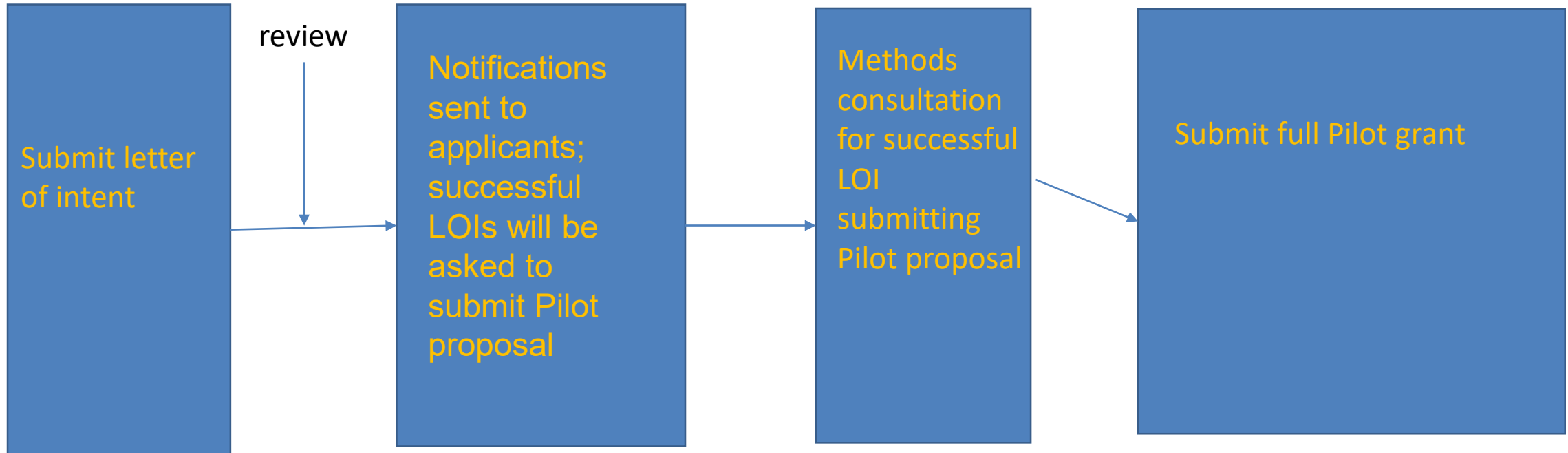
NIDUS II Pilot Studies Overview

Friday, November 3, 2023, 12:00 AM- 12:45 AM EST

Dr. Frederick Sieber (Leader of the NIDUS, Pilots & Exploratory Studies Core) will discuss the NIDUS Pilot Awards application process

The **Pilot Studies** aim to promote collaborative interdisciplinary studies designed to utilize our infrastructure and provide fundamental scientific advances needed to develop better treatments for delirium. This aim will be accomplished through collaborative working groups, assisted by small grants for exploratory and pilot projects. Projects will be sought that bring together multiple disciplines and institutions.

- Examples of projects fulfilling this theme include (but are not limited to) studies focused on:
 - Risk factors or outcomes related to delirium associated with AD/ADRD or long-term cognitive decline
 - Harmonization and refinement of measurement tools that distinguish delirium from AD/ADRD or delirium superimposed on AD/ADRD
 - Biomarker and mechanistic studies to advance our understanding of: (1) the pathophysiology of inter-relationship of delirium and AD/ADRD; (2) how delirium may lead to the development of AD/ADRD; or (3) identifying therapeutic targets at the interface of delirium and AD/ADRD
 - Clinical Trials--Intervention development studies for future clinical trials, especially of delirium prevention or treatment strategies which examine effectiveness for the outcomes of AD/ADRD or long-term cognitive decline





NIDUS LOI requirements

1. Must address NIDUS II priority area and lay the groundwork for future collaborative paper and grant
2. Utilize the NIDUS Cores and resources to accomplish the work
3. Must involve an interdisciplinary team of up to 5 investigators from multiple disciplines, across 2-3 institutions (max 3 subcontracts)
 1. Senior investigators that can give in-kind support are encouraged—may be from another institution (if does not require payment/subcontract)
4. Preference for projects that include junior investigator(s)
5. Roles of each investigator involved must be clearly identified and distinct
6. Investigators must be PhD, MD, or doctoral equivalent
7. US citizenship not required
8. There can be no overlap with other current applications. The same or closely related Aims should not currently have been submitted elsewhere (or planned for submission elsewhere).



(Cover page)

Paragraph that justifies how the proposed project addresses the theme of the Inter-Relationship of Delirium & AD/ADRD

(One page maximum)

1. Overview: Scientific Rationale and Innovation (200 words max)
2. Specific Aims and Hypotheses (100 words max)
3. Planned Approach: Brief Summary (150 words max)
4. Significance: Include how this project would lead to a future large project and/or grant (100 words max)



NIDUS LOI requirements

Attachments (Only as follows; no other attachments accepted)

- NIH Biosketch for Principal Investigator only ([follow NIH guidelines](#))
- Description of Collaborative Team: (200 words max)
 - Describe each team member and their unique, distinct role on the project
- Brief Budget Justification: (200 words max) for description of how the \$40,000 grant will be used. Budget must outline how project can be accomplished within the 40K budget. If additional funds are required, what is their source?



NIDUS II Pilot Award

- Approved Letter of Intent required
- NIDUS II Methods consultation required
- Submit a 4-page NIH-type proposal
- Must address NIDUS priority areas
- Research from basic science to population health is eligible (i.e., research across the continuum [T0-T4])
- Preference for projects that include junior investigator(s).



The following considerations are important for pilot grants:

1. Interdisciplinary research teams are essential. Involve up to 5 investigators from multiple disciplines, across 2-3 institutions(max 3 subcontracts).
2. There is a strong emphasis on diversity, equity, and inclusion if feasible. This applies to:
 - a. Members of the transdisciplinary research team
 - b. Research participants
3. Utilize the NIDUS Cores and resources to accomplish the work in substantive ways.
4. Must lay the groundwork for a future large grant or study



1. Scored on NIH review criteria: Significance, Investigators, Innovation, Approach, Environment
2. Relevance to aging and delirium research in a priority area
3. Feasibility/likelihood that the proposed study can be completed within one year



two awards of \$40,000 each

- indirect cost are available and cannot exceed HSL: indirect or F&A costs up to 60% (U.S. Institutions) or 8% (foreign institutions) are allowable.

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1. Feasibility- many proposals are for vast projects not doable in 1 year
2. Collaborative groups- issues with data sharing; unclear how groups enhance each other
3. Use of NIDUS resources
4. Priority area-define link clearly
5. Inclusion of MD, PhD, or doctoral equivalent





NIDUS

Components of Successful LOIs

6. Junior investigator
7. methods clearly outlined
8. clear pathway to future proposal





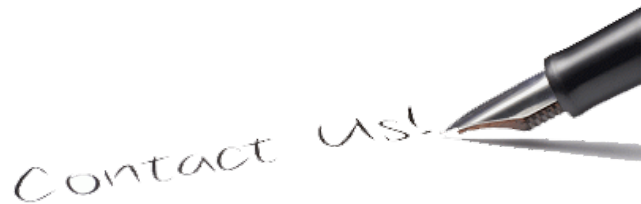
Guide to NIDUS II Resources

| Resource Type | NIDUS Resource | Description |
|------------------------------------|--|--|
| General | Informational video | Provides an overview of NIDUS resources |
| Measurement Resources | Measurement Information Cards | Provides information on over 40 Delirium Measurement Tools |
| | Identification Measures Crosswalk | Links between the CAM (short and long form), DOSS, DRS-R-98 (severity and total scores), and MDAS instruments |
| | Severity Measures Crosswalk | Links between the CAM-S, DRS-R-98, and MDAS instruments |
| Research Resources | NIDUS Research Hub Informational Video about the Hub | Human and animal research hubs containing study metadata |
| | NIDUS Delirium Bibliography | Searchable index of over 5,000 delirium-related research articles, updated on a monthly basis |
| | Pilot Awards | Awards pilot grant funding to advance innovation in delirium research. NIDUS designed these awards to support studies that are delirium related. As a result, we expect these studies to provide key preliminary data, exploratory or proof-of-concept pilot work, feasibility studies, or secondary analyses that define a clear pathway to future large-scale studies and grants |
| Dissemination & Outreach Resources | NIDUS Webinars | Watch past recorded webinars (slides and timestamped notes provided) and join upcoming webinars (for free!) on various topics related to delirium |
| | NIDUS Boot Camp | Mentor program for early-career researchers in an intensive setting. Learn about Boot Camp application instructions here |

- Sign up at NIDUS website: <https://deliriumnetwork.org/about/register-for-nidus-membership/> to be informed of pilot grant application dates/deadlines.
- NIDUS delirium resources at: https://deliriumnetwork.org/wp-content/uploads/2023/10/2023-NIDUS-Resources-Glossary_10.16.23.pdf to help build connections with other delirium researchers.
- Reach out for help finding collaborators, building teams, and using resources.

We're available to help build connections

Contact Information:



Email: nidus@hsl.harvard.edu

Website: deliriumnetwork.org

Phone: (617) 971-5390

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Questions & Open Discussion

