RFA-OD-19-014: NIH Research Evaluation and Commercialization Hub (REACH) Awards
(U01 Clinical Trial Not Allowed)
Please enter your questions into the Question module in the webinar console.
Support proof-of-concept centers that accelerate the creation of small businesses and the transition of discoveries originating from academic research into products that improve health.
• Infrastructure for identifying the most promising technologies
• Funding to innovators for product definition studies
• Access to expertise in areas required for early stage technology development
• Skills development and hands-on experience in entrepreneurship
Timeline

- Letters of Intent (LOI) due February 19, 2019 (optional)

- Due Date: March 19, 2019
  - 5PM applicant institution local time

- Peer Review: June 2019
- Award: September 2019

• Barriers to translating technologies from academic labs to the market:
  • a gap in funding between basic research discoveries and scientific proof of feasibility or validation studies required to define the product for early stage technology development
  • a lack of knowledge and understanding by innovators about how new technologies are brought to market
  • a lack of access to sufficient technology development and commercialization resources that are required for early stage technology development.
• Phase 0 Proof of Concept Partnership in accordance with Section 5127 of the SBIR/STTR Reauthorization Act of 2011

• Reauthorized through September 2022
NIH Centers for Accelerated Innovations
Research Evaluation and Commercialization Hubs

- NCAI/REACH Proof of Concept Center Network
  - 6 sites
  - 33 institutions

Boston Biomedical Innovation Center
NCAI-CC
Cleveland Clinic
UC CAI
University of California Center for Accelerated Innovation

MN-REACH
University of Minnesota
Coaching to Success

NCRI
Long Island Bioscience Hub

★ NCAI
★ REACH
★ Program Partners
NCAI/REACH
Promising Output Indicators

- **Letters of intent and pre-applications**: 1132
- **Full applications**: 609
- **Funded Projects (176 completed)**: 244
- **Guidance from program partners**: 1132

**New companies**: 19
**Technology licenses and options**: 55
**Follow-on Funding (completed projects)**: $548M

*SBIR (14)/STTR (4) Awards*
Accelerator Hub Goal: Provide entrepreneurial education needed to move discoveries and technologies from lab to market to impact health

REACH/NCAI National Network expansion
NIGMS STTR Regional Technology Transfer Accelerator Hubs

REACH
- Long Island
- Minnesota
- Louisville

NCAI
- Boston
- Cleveland
- Los Angeles

NIGMS Regional Hubs
- Central
- Northeast
- Southeast
- Western
Eligibility

- Applicants must be a university or other research institution that participates, or has participated in, the NIH Small Business Technology Transfer (STTR) program
- Only one application per institution
- Small businesses are not eligible
- Current NCAI and REACH awardees not eligible to serve as the primary applicant
• Types of Eligible Institutions
  • Higher Education institutions
  • Nonprofits Other Than Institutions of Higher Education
  • Nonprofits with 501(c)(3) IRS Status (Other than Institutions of Higher Education)
  • Nonprofits without 501(c)(3) IRS Status (Other than Institutions of Higher Education)
• Trans-NIH funding opportunity
• Any disease in NIH mission - high burden of disease
• Partnerships encouraged
• Advance promising technologies to next source of independent financing
  • Viable startup company – i.e., SBIR/STTR
  • Licensing opportunities
• Educate a diverse product development proficient workforce
• Anticipate 5 awards

• Up to $1 million per year (total costs)
  – Includes direct costs and F&A from all components

• Up to 4 years
  – Sunset in 2022
• Leadership and governance
• Collaborations, partnerships, and non-Federal funding
• Technology solicitation and selection
• Funding, resources, and expertise for technology development
• Project management and technology development
• Skills development, education, and mentoring
• Plan for self-sustaining infrastructure
Leadership & Governance

• Demonstrate necessary expertise and track record of transitioning from discovery to market
• Leverage best practices from current pilot programs
• Demonstrate expertise in milestone-driven project management
• Describe plan for collecting and reporting standardized metrics, including tracking progress after project exit the Hub
• Plan to promote information exchanged and dissemination to the research community at large
Collaborations, Partnerships, and non-Federal Funding

• Leveraging/partnering with existing resources encouraged
  – Current REACH/NCAI
  – NIGMS
    • Regional Technology Transfer Accelerator Hubs for IDea States
    • Networks of Biomedical Research Excellence (INBRE)
    • Centers of Biomedical Research Excellence (COBRE)
  – NSF Innovation Corps (I-Corp™) and its National Innovation Network
  – Small Business Administration Growth Accelerators
  – EDA i6 Challenge
Collaborations, Partnerships, and non-Federal Funding, cont.

• Leveraging/partnering with existing resources encouraged

  – NCI-designated Cancer Centers
  – NIAID Centers for AIDS Research (CFAR)
  – NCATS Clinical and Translational Science Awards (CTSA)
  – NIBIB Concept to Clinic: Commercializing Innovation Program (C3i)
  – NIBIB Point of Care Technologies Research Network (POCTRN)
• Additional partnership examples include:
  – Other research institutions with appropriate technologies
  – Law or business schools
  – State economic development agencies
  – Local incubators or accelerators

• Present a plan to ensure appropriate communication and to facilitate licensing and technology transfer
• Expected to obtain non-Federal funding equal to or exceeding the total direct cost funding requested from NIH
  – Examples: foundations, participating institutions, state or local governments, angel investors, venture capital firms, individual benefactors
  – Itemize resources and funding
Collaborations, Partnerships, and non-Federal Funding, cont.

- Include details on non-federal funding that has been secured or anticipated

- Describe plans if fundraising efforts are in progress, or if third-party funding is contingent upon an award

- Include documentation and letters of support

- Provide evidence of access to non-Federal funding that at least equals the direct costs of the year one award
Technology Solicitation and Selection

- Provide infrastructure for soliciting and selecting the most promising technologies that address burden of disease with apparent commercialization potential, or diseases without a broad market that have compelling reasons exist for development
- Describe processes to solicit appropriate technologies
- Describe the diverse expertise of the External Review Board (ERB) including industry, start-up, venture capital, technical, financial, and business experts and university technology transfer officials
- Describe the process for evaluating technologies
Provide details on the ability to maintain robust pipeline of candidate technologies

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<td>Adult cardiac stem cells</td>
<td>Intramurally delivered stem cells for cardiac repair</td>
<td>Therapeutic</td>
<td>University of XYZ</td>
<td>John Smith, Director of Technology Transfer</td>
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• Describe plan to provide funding to individual investigators

• Funding amounts for individual technologies may include up to $100,000 from this award
  – Requires an equal non-federal cash match
  – Matching funds should not be incumbent on the individual innovators to secure

• Describe resources and expertise available to facilitate early technology development
Project Management and Technology Development

• Describe approach to market-focused project management oversight, with technology development plans that:
  – Involve Tech transfer office to:
    • Enable the best path forward
    • Reduce the burden of licensing
    • Ensure institutional commitment
  – Describe plans to assemble project management teams with appropriate industry expertise
  – Describe processes to assess progress and make milestone-driven go/no-go decisions
Attention to principles of study design and transparency are essential

Follow instructions to address Rigor and Reproducibility

Skills Development, Education, and Mentoring

• Provide skills development, hands-on experience, educational and networking activities with linkages to local or virtual resources
  – Describe plans to develop activities or collaborate with existing organizations
  – Detail how mentoring and professional development of the Innovators will be achieved
  – Describe plans to leverage existing or proposed programs such as
    • REACH, NCAI, NSF I-Corps, IDeA States, etc.
Plan for Self-Sustaining Infrastructure

• Describe the Hub sustainability plan beyond the end of the 4 year award and include documentation, for example:
  – continued support from partnering institutions or other financial arrangements
  – descriptions of all institutional support, financial arrangements, and agreements for equity positions or royalty payments
  – documentation such as Letters of Support, Agreements, Memoranda of Understanding
• Scored Review Criteria have been modified to include REACH program specific review criteria

• The additional Review Criteria that are not individually scored will contribute to the overall Priority Score

• Review Section V (Application Review Information) carefully before submission
• Due Date: March 19, 2019

• Details in FOA

• All slides, recording, and transcript will be available within 1-2 weeks on sbir.nih.gov

• Enter questions in your webinar chat console or email Kathleen.rousche@nih.gov