NSF PIPP Development Grant
Virtual Office Hours

September 2, 2021, 2 – 3 PM EDT
September 10, 2021 3 – 4 PM EDT

If you require captions, please open this URL in a separate browser page:

NSF PIPP Development Grant

Virtual Office Hours

Questions? Put them in the chat or raise your hand

After the VOH, send questions to PIPP@nsf.gov until Sept 23, 2021
PIPP Phase I: Development Grant (NSF 21-590)

- Supports planning activities for fundamental research and capabilities needed to tackle grand challenges in infectious disease pandemics through prediction and prevention

- Due October 1, 2021

- 18 months, up to $1 million/project

- Possibly leading to future Phase II (Center-scale) proposals
PIPP Phase I: Development Grant (NSF 21-590)

• An ambitious and forward-looking scientific grand challenge (GC)

• Includes both team building and research descriptions

• Diverse, multi-disciplinary, and potentially multi-organizational team

• A plan for scaling to center operations

• Project Management Plan
PIPP Phase I: Development Grant (NSF 21-590)

• Proposals must explicitly describe a grand challenge (GC) in infectious disease pandemics in areas of prediction and prevention.

• This can be an infectious disease in ANY living system (plants, animals, humans, other microbes, etc.).

• Proposals must describe an innovative vision for addressing the grand challenge – What is the overarching problem/hurdle? What is the potential for transformative research outcomes that go beyond status quo?
PIPP Phase I: Development Grant (NSF 21-590)

• **Research:** Research can be “pilot projects” that begin to address subsets of Grand Challenge problem across sub-disciplines.

• **Team Building:** Proposal describes a rationale that justifies the need for a collective effort of multidisciplinary team of scientists to address grand challenge.

• Ideally, grand challenge problem will span research across disciplines (NSF PIPP: BIO, CISE, ENG and SBE directorates).

• GC should be commensurate with Center-scale problem.
What makes a Grand Challenge?

We think the research community (you) is best positioned to identify grand challenges.

The key is to explicitly state the GC, discuss *why* it is a grand challenge, why it is unique, and clearly link your proposed planning to the GC.

**Need inspiration?** NSF held four inter-connected workshops in which members of different communities came together to identify problems/grand challenges/hurdles over a full timeline of a developing pandemic event preemergence stage, localized emergence stage, pandemic emergence stage.

Grand challenges ideas for PIPP were identified throughout the full timeline of a developing pandemic event, and include the **preemergence stage**, the **localized emergence stage**, and the **pandemic emergence stage**.
What is NOT a Grand Challenge:

• Projects limited to specialized research groups pursuing independent projects that are not synthetically integrated;

• A project that can be executed by a single PI;

• Projects that do not engage teams with balanced participation from computer and information science, biology, engineering, and social, behavioral, and economic sciences.
Merit Review Criteria

• Intellectual Merit and Broader Impacts
• Solicitation-specific criteria:
  • How well does the proposed project address the grand challenge?
  • Does the proposal bring together complementary expertise, build on leading-edge research across multiple disciplines, connect and contribute to a broader intellectual context of work, and develop synergistic links to related efforts as appropriate?
  • Does the Project Management Plan address all required elements?
PIPP Phase I Solicitation, Other requirements

• Title must begin with "PIPP Phase I," followed by a colon, then the title of the project.

• A person may be PI/co-PI on only ONE proposal.

• After submission of your proposal, send a single Microsoft PowerPoint slide summarizing the vision of your PIPP Planning Grant proposal to PIPP@nsf.gov.

• For multiple institutions: Send in ONE proposal with sub-awards to different institutions.

• No Letters of Intent required.

• Project Management plan is REQUIRED.
Investigations that are outside the scope of this PIPP announcement include:

• Projects limited to specialized research groups pursuing independent projects that are not synthetically integrated;

• Projects that do not identify an over-arching GC problem motivated by PIPP;

• Projects that do not engage teams with balanced participation from computer and information science, biology, engineering, and social, behavioral, and economic sciences
Timeline

• Proposals due by October 1, 2021, 5 PM local time:
  • For multiple institutions: one proposal with sub-awards to different institutions
  • The PAPPG category of: Collaborative proposals from multiple institutions CANNOT be engaged here.

• No Letters of Intent required

• Aim to make awards by end of March 2022
For more information:

• Funding opportunity page with links to solicitation and announcements: https://nsf.gov/funding/pgm_summ.jsp?pims_id=505908

• Frequently Asked Questions (FAQs) and answers are provided on the solicitation webpage.

• Send questions and/or ONE PAGE prospectus to the following Email: PIPP@nsf.gov UNTIL SEPT 23 (Note: extremely high volume now)

• A recording and transcript of the VOH, along with the slides, will be accessible from the event page shortly after conclusion of the VOH.
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VOH next week: September 10, 2021 3 – 4 PM EDT