GRAND CHALLENGE

FORGING · THE · FUTURE · FORGING

UAB

Solutions that Change Your World

What is a Grand Challenge?

- A problem that when solved will positively impact a great number of people and society in general

- Large in scope

- Resulting from complex causes

- Solution requires a convergent combination of innovative approaches, technologies, treatments, and/or policies.

Grand Challenge Examples

- GLOBAL - Remove threat of nuclear war from the world
- NATIONAL - Reduce obesity in the United States
- REGION/STATE – Achieve health parity in the Black Belt
- CITY – Birmingham - The most thoroughly integrated city in America

Established in 2012 with the premise that by working together with shared goals, the UCLA community could have an even bigger impact on society's greatest problems.

- Sustainable LA Grand Challenge
  - Transitioning Los Angeles to 100% renewable energy, 100% locally sourced water, & enhanced ecosystem health by 2050
  - Implementation plan delivered by 2020
  - Make the region a model for the world

- Depression Grand Challenge
  - Understand, prevent, and treat world's greatest health problem
  - Eliminate burden of depression by gaining a better understanding of the disease
  - Develop more effective prevention techniques and treatments

Indiana University: Responding to the Addictions Crisis

- Statewide effort across its seven campuses

- Response to Governor's strategic plan in partnership with state officials, IU Health and Eskenazi Health

- One of the largest and most comprehensive state-based responses to the opioid addiction crisis, and the largest led by a university.

- Engage the full strength of IU's world-class faculty and its industry, non-profit, and government partners to address addictions in Indiana

Grand Challenge Characteristics

- Unites UAB expertise (research, scholarship, teaching, commercialization, patient care, community service) around a large scale issue of importance

- Not intended to replace or hinder individual or departmental activities

- Stakeholders (inside and outside UAB) involved in the implementation

- Can be uniquely addressed by UAB and partners

- Commitment to success at all levels

Resources and Responsibilities

- Substantial seed support from UAB Strategic Investment Fund, matched from other sources

- Three to five year UAB support leading to…

    long-term sustainability from non-UAB sources

CornellTech - creating leaders & technologies through research, tech commercialization, & graduate-level education. Planning grant of $1M led to awards and gifts of $633M.

Process and _Projected_ Dates

- Communication – Dec 2017-Mar 2018

- Announcement of Opportunity – Mar 15 2018

- Due Dates

  - Concept paper – Due April 25, 2018

  - Workshop(s) – Late Spring/Early Summer 2018

  - Planning grants – Due Early Fall 2018

  - Full proposals – Due January 2019

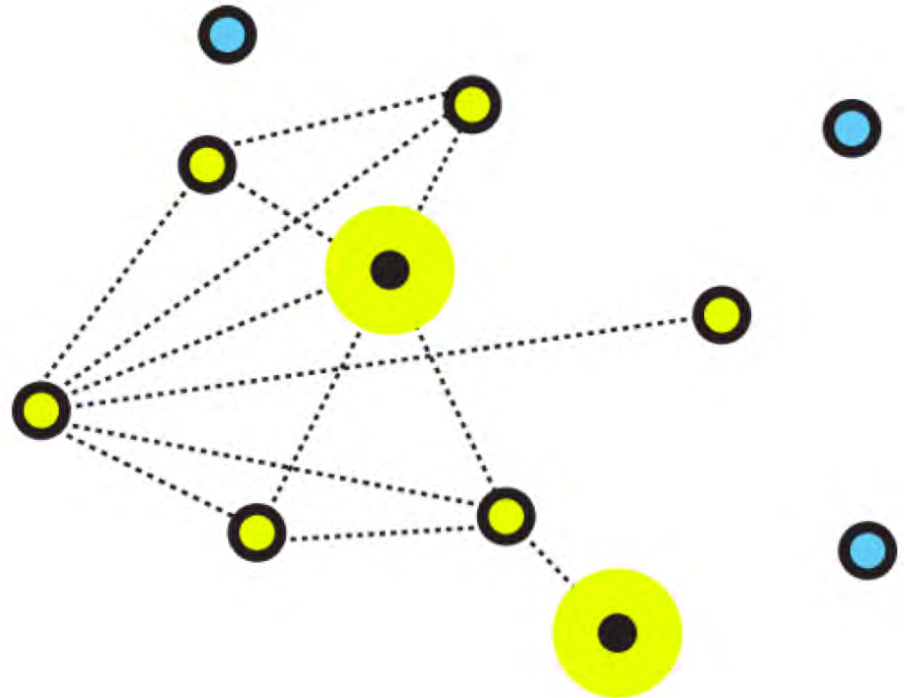- Grand Challenge(es) Selected – Spring 2019

Concept Paper

Two pages in length including:

- The problem to be addressed;

- Conceptualization of the plan of work;

- Description of how this will benefit the people of Alabama and how the solutions can be generalizable to other states, the US, and the world;

- List of potential team members, including potential non-UAB partners.

Concept papers will be used to determine three to four topical areas for the Call for Planning Grants.

Workshop(s)

- Successful Grand Challenge examples – process, progress, and pitfalls
- Concept idea sharing
- Team building strategies
- Outside-the-box funding

Planning Grant - ~5 pages including:

- Principal and key participants;

- Description of the problem to be addressed, its importance to Alabama, and applicability elsewhere;

- Description of activities to:

  - Identify and assemble team;

  - Develop plan of work and description of feasibility;

  - Outline resourcing plan that addresses near-term support and long-term sustainability

  - Write and submit a full proposal

Invited Full Proposal

Approx. 15 pages, elements of pre-proposal PLUS;

- Short biosketches of the leadership team and a description of their commitment to the UAB Grand Challenge

- Letters of support, including from all collaborating deans and external partners

- A detailed and realistic resourcing plan to include faculty/staff costs, space needs, and programmatic costs. This should include indications of commitment for all cost matching, faculty hires, space allocation, and other costs