

**Significance**

**Investigator(s)**

**Innovation**

**Approach**

**Environment**

**Commented [DM1]:** •Explain the importance of the problem or critical barrier to progress that the proposed project addresses.

•Describe the strengths and weaknesses in the rigor of the prior research (both published and unpublished) that serves as the key support for the proposed project.

•Explain how the proposed project will improve scientific knowledge, technical capability, and/or clinical practice in one or more broad fields.

•Explain the project's potential to lead to a marketable product, process, or service.

*Essentially, why is your work important for the future of American health/healthcare, how has previous research lead you to this conclusion, and what does your potential product do for the state of healthcare in the United States.*

**Commented [FAST2]:** Are the PD/PIs, collaborators, and other researchers well suited to the project? If Early Stage Investigators or New Investigators, or in the early stages of independent careers, do they have appropriate experience and training? If established, have they demonstrated an ongoing record of accomplishments that have advanced their field(s)? If the project is collaborative or multi-PD/PI, do the investigators have complementary and integrated expertise; are their leadership approach, governance and organizational structure appropriate for the project?

**Commented [DM3]:** •Explain how the application challenges and seeks to shift current research or clinical practice paradigms.

•Describe any novel theoretical concepts, approaches or methodologies, instrumentation or interventions to be developed or used, and any advantage over existing methodologies, instrumentation, or interventions.

•Explain any refinements, improvements, or new applications of theoretical concepts, approaches or methodologies, instrumentation, or interventions.

*Essentially, what makes your product novel and how will you capitalize on that? How are you actually changing the face of medicine in some manner?*

**Commented [DM4]:** •Describe the overall strategy, methodology, and analyses to be used to accomplish the specific aims of the project. Describe plans to address weaknesses in the rigor of the prior research that serves as the key support for the proposed project. Describe the experimental design and methods proposed and how they will achieve robust and unbiased results. Unless addressed separately in the [Resource Sharing Plan](#), include how the data will be collected, analyzed, and interpreted, as well as any resource sharing plans as appropriate. Resources and tools for rigorous experimental design can be found at the [Enhancing](#)

**Commented [FAST5]:** Will the scientific environment in which the work will be done contribute to the probability of success? Are the institutional support, equipment and other physical resources available to the investigators adequate for the project proposed? Will the project benefit from unique features of the scientific environment, subject populations, or collaborative arrangements?