**Preproposal Template for**

**Keck Foundation Science & Engineering and Medical Research Programs**

**Concept Paper (ONE PAGE ONLY)**

1. Specify if this project is for the Medical Research or the Science & Engineering program.
2. Organization name, project title, and full name of PI
3. An overview of the proposed project including unique aspects and pilot studies: (should be understandable to a diverse, educated audience)
   1. Define the breakthrough
      1. What can be done that isn’t currently possible and how will it be transformative to the field? Improvements should be exponential, not incremental.
   2. What new science enables the breakthrough?
      1. Emphasize unique aspects and how this differs from any similar efforts by others
      2. Pilot studies or data that support this idea

(2) Describe the methodology. Provide specific details on how you will accomplish this work.

(3) A brief description of the key personnel (why is each person crucial to the success of this project? What qualifications/resources does this team possess that make them uniquely qualified to do this work)

(4) A brief justification of the need for Keck support. Why is this research not fundable elsewhere? Summarize previous efforts at funding and provide a summary of reviewer comments that validate that this project is out of range or too high-risk for conventional funders.

(5) An estimated budget. “Keck request = $[up to $1.2M]”.  Then break down by major areas (e.g., Personnel = $\_\_\_, Equipment = $\_\_\_, Consumable supplies = $\_\_\_, Travel = $\_\_\_, etc.)

Do NOT waste space giving introduction and background details – jump right into what you will do, why/how this approach is vastly better than current practices, and why/how it will revolutionize the field

Add other details (e.g., background to put the research into perspective, description of the institution's prominence in the field, etc.) only if there's room.

Avoid illustrations in these single-pagers.  You will need all the room for text.

If a reference is absolutely necessary, abbreviate it as (Science, 323, 45, ’11)

\*Formatting criteria: Use a 12 pt. font size, with 1” margins. It is very difficult to address all points in a single page so use the space wisely.\*