

## **Research Plan:**

**Detailed Research Plan.** Not to exceed 5 pages, including figures, tables, etc.. Use 0.5" margins and size 11 Arial font. Additional pages may be included for the bibliography.

A. Specific Aims: List the broad, long-term objectives and the goal of the specific research proposed, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology. One-half page is recommended.

B. Background and Significance: Briefly sketch the background leading to the present application, critically evaluate existing knowledge, and specifically identify to support the Foundation's fundamental objective of supporting ultrasound research. State concisely the importance and health relevance of the research described in this application by relating the specific aims to the broad, long-term objectives. If the aims of the application are achieved, state how scientific knowledge or clinical practice will be advanced. Describe the effect of these studies on the concepts, methods, technologies, treatments, services or preventative interventions that drive this field.

C. Preliminary Studies: use this section to provide an account of the PI's preliminary studies pertinent to this application if available. Preliminary data is welcome but not required. If there is no preliminary data, provide supporting evidence in the existing literature.

### D. Innovation (optional)

E. Research Design and Methods Describe the research design conceptual or clinical framework, procedures, and analyses to be used to accomplish the specific aims of the project. Include how the data will be collected, analyzed, and interpreted. Describe the applicant's specific roles in each phase of the project. Describe any new methodology and its advantage over existing methodologies. Describe any novel concepts, approaches, tools, or technologies for the proposed studies. Discuss the potential difficulties and limitations of the proposed procedures and alternative approaches to achieve the aims.

F. Timeline of events: As part of this section, provide a tentative sequence or timetable for the project.

G. Budget justification: provide justification for each item listed in the budget.

H. Bibliography (additional pages maybe used)