



Science and Engineering Research Board (SERB)
Department of Science and Technology (DST), Govt. of India



ANNOUNCEMENT FOR CALL FOR EXPRESSION OF INTENT
for
India-U.S. Grand Challenge: Affordable Blood Pressure Measurement Technologies for Low-Resource Settings in India and the U.S.

Hypertension diagnosis and management is a critical healthcare issue and is an area that is ripe for technological innovation. The main purpose of the collaboration between the Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India and the National Institute of Biomedical Imaging and Bioengineering (NIBIB, NIH) is to encourage research collaborations within and between both countries on the development of durable, low-cost blood pressure measurement technologies for either passive or active monitoring of hypertension.

Priority Areas

Appropriate topics include but are not limited to:

- *High-throughput blood pressure systems*: that can measure the blood pressure of a large number of individuals. The measurement should ideally integrate with a routine daily activity in such a way that there is minimal added effort required by the individual.
- *Minimal interaction, low-cost blood pressure measurement systems*: capable of making measurements in a home environment in a manner that adds little or no burden to the individual. These devices should be suitable for use at home and small health-care centers.
- Measurement technologies should be simple, low-cost, reliable and should not need clinical expertise for operation.

Eligibility

- Applicants can include entities from academia, national laboratories, non-governmental R&D institutions, industry and start-up companies.
- The proposal should be science-driven aiming towards prototype development/demonstration with a definite commercial potential and intent/plan to commercialize the technology.
- A detailed call for proposal would follow later

Prospective applicants are required to submit an Expression of Intent of not more than five pages by 31 August 2013.

For more details and latest updates please visit:

<http://www.indousstf.org/Funding-Opportunity-Announcement.html>

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