

# THE GRAND POINT OF CARE CHALLENGE

**Goal.** The goal of the Grand Point of Care Challenge is to revolutionize the field of disaster medicine by developing suitably robust point-of-care testing (POCT) that will substantially improve public health preparedness worldwide.

**Rationale:** The 2004 tsunami in Southeast Asia and hurricane Katrina in the United States showed that POCT was both need and feasible in acute disaster response and follow-up recovery. However, POCT devices consumer market are not



adequate for disaster conditions. We challenge inventors, innovators and industry to produce devices and reagents that will meet and disaster care in order to improve preparedness in the United States and worldwide especially rural areas, and low resource countries.

## The Grand Point of Care Challenge

- Health care professionals will collaborate to carefully define diagnostic testing needs for emergency responders.
- Developers will design and manufacturers robust devices and reagents that will allow emergency response units from the United States and other countries to perform POCT under adverse environmental conditions.
- Inventors and innovators will create highly sensitive molecular diagnostic tests using isothermal methods operating under the most efficient energy transfer principles to allow highly portable, yet reliable handheld pathogen detection.
- Entrepreneurs will seize these opportunities to market novel devices worldwide and thereby cost-effectively improve global public health

## PARTNERS

