



\$200,000

Medical Engineering Innovation Challenge
"Initiate your Idea in Medicine & Engineering"

Overview The Biomimetic MicroElectronic Systems (BMES) Engineering Research Center of the University of Southern California, in collaboration with the Telemedicine and Advanced Technology Research Center (TATRC) of the US Army, the Henry Jackson Foundation and USC Stevens, are announcing a request for innovative ideas from multidisciplinary teams of students and physicians that broadly relate to innovative military medicine. Each proposal is to identify a near-term medical technology to help today's modern wartime soldier, surgeon, nurse or other.

Eligibility/Requirement: Science graduate students and physicians from USC, Caltech, UCSC or UCSD must pair up with someone getting their MBA or with an MBA to create a 7-page Executive Summary around the proposal. Seven page proposals are due May 3, 2008 at 8pm PST (emailed to medengineering150@gmail.com).

Scope Medical applications for the military will be interpreted broadly; in fact, it is not required that they have anything to do with a soldier. The proposals will be screened by members from the military and industry to determine that they are relevant technologies to the military (pure cosmetic medical procedures for example may not apply). Engineering, computer science, biological, chemical, software and physical sciences, as well as any other related disciplines to create an innovative solution towards the military healthcare system are all relevant.



Awards Judges consist of senior executives of Advanced Medical Optics (AMO), Bausch & Lomb, Medtronic, National Semiconductor, Reichert, Zeiss, TATRC personnel and a USC Business School professor. The judges will decide on individual awards based on the quality of the proposal and the amount of capital required for the team to meet their milestones. The top six teams are to make a 10 min presentation with 10 min of Q&A to judges on May 20, 2008 1-6pm in Downtown Los Angeles (at least one team member from each team must attend). Funds are available June 1, 2008 to begin. The 1st through 4th place teams will receive awards ranging between \$2,000 and \$100,000 in order to build the idea based around the submitted budget. First place team will also be offered summer internships at Texas Instruments. Up to three students/physicians/post-docs can receive \$5,000 stipends each. In addition to those three students, winning proposals can pay MBA(s) a stipend up to \$5,000 TOTAL for their consulting efforts from the award money.

Intellectual Property All ideas must be protected by provisional or full patents filed before May 3, 2008 (this will help you protect your idea). BMES or your respective Office of Technology Transfer of your university can help you submit your provisional patent. The sponsorship from this contest is from a federal grant. Similar to any NIH or NSF funded projects, there may be non-exclusive government rights to the funded technology when required by law. Email medengineering150@gmail.com for more details.



Mentorship: If you desire to be mentored, please ask Sean Caffey, MD, MBA (medengineering150@gmail.com) for help within BMES, to link up with one of the BMES member companies or a TATRC advisor from the military. Additional details posted: <http://bmes-erc.usc.edu/industry>.

**Support for this proposal is being managed by
TATRC West and the Henry Jackson Foundation.**