

| BUDGET JUSTIFICATION PAGE MODULAR RESEARCH GRANT APPLICATION | | | | | | |
|---|---------------------------------------|-----------------|-----------------|-----------------|-----------------|---|
| | Initial Period | 2 nd | 3 rd | 4 th | 5 th | Sum Total (For Entire Project Period) |
| DC less Consortium F&A | 50,508 <i>(Item 7a, Face Page)</i> | | | | | 50,508 <i>(Item 8a, Face Page)</i> |
| Consortium F&A | 17,978 | | | | | 17,978 |
| Total Direct Costs | 68,486 | | | | | \$ 68,486 |

Personnel

ABC (Small Business Concern Personnel):

Alan Jones, Ph.D., Co-investigator, (25% effort) will be responsible for the feasibility determinations, design of the hardware and development of the instrumentation.

Jonathan Goodlatch, BSEE, (19% effort) will serve as a Project Engineer. Mr. Goodlatch will implement the algorithm design and implementation.

To be Appointed Technician, (25% effort) is responsible for the repair and maintenance of the equipment and will run a variety of system tests.

Research Institution Personnel:

Sandy L. Smith, Ph.D., Principal Investigator, (25% effort) is Chief of the Stress Unit at Boston Hospital and Professor at Boston University. She will supervise and coordinate all aspects of this project. She will specifically be involved in optic system design, modeling and simulation of sensor performance and data analysis. Having expertise in biomedical instrumentation and electromagnetics/optics makes her ideally suited to head this project.

Jonah Kostenbater, M.S. (10% effort) is an experienced statistician. He will be responsible for the statistical evaluation of the stress recordings from the treadmill.

Roger Davis, M.D., (10% effort) is Professor of Physical Therapy at Nouveau Aging Center. He will evaluate testing of arch stress in a clinical environment using equipment at the VCF.

Consortium

-- see following Continuation page --

Fee (SBIR/STTR Only)

A fee of 4% of total costs (direct and indirect) is requested = \$3,835. This fee contributes to the growth of the ABC Company by allowing expansion of resources and personnel development. The fee is consistent with a normal profit margin provided for research and development work.

Consortium continued from Modular Budget Format Page:

Contractual Costs. Approximately **\$54,000** Total Costs for Entire Period.

Marshall University (MU) {X} Domestic { } Foreign

Marshall University, Iowa is the Research Institution partner on this STTR. MU will be subcontracted to test and evaluate the arch stress sensor array necessary for clinical studies. See the attached Research Institution Certification Page.

Consultant Costs

ABC Company. George Poole, Ph.D., (5% effort) will serve as a paid clinical consultant. Dr. Poole will aide ABC Company in ensuring that the XYZ system specifications are consistent with the needs of the clinical community. He will also be involved in evaluating the results of the Phase I studies. Dr. Poole will be available for three days at \$300/day (**\$900 total**).

Margaret Trimble, Ph.D., (10% effort) will serve as a paid consultant. She will specifically advise us in tissue preparation and data analysis. She will be available for 10 days at \$200/day (**\$2000 total**).