

Idaho Incubation Fund Program

Quarterly Progress Report Form

Proposal No. HERC IF12-003 As of February 29th, 2012
Name: Dr. Greg Hampikian
Name of Institution: Boise State University
Project Title: Biological Testing with MSM Micropumps

Information to be reported in your progress report is as follows:

1. Provide a summary of project goals/milestones for the period just completed, accomplishments for the period just completed, and plans and goals for the coming quarter:

Results: We have started culturing cancer and normal cells for electron microscopy to examine interactions of normal and neoplastic cells with pump materials. We have encountered some problems in sputter coating the cells, and have designed new apparatus for holding the cells, and will purchase a sputter coater suitable for analyzing the effects on cells of the pump components. We have established a relationship with the CDC to explore using the pump for bioterror agent and malaria testing, and we will be examining anthrax as a test system.

Goals for next quarter: Discuss development plans with a major US company that has shown an interest in our technology. Install sputter coater, analyze human cell reactions to pump components by electron microscopy. Begin anthrax and malaria testing research.

2. Provide a summary of budget expenditures for the period just completed: Irregular Salaries \$900.60, Fringe Benefits \$555.38, and Operating Expenses \$673.12
3. List patents, copyrights, plant variety protection certificates received or pending:
Patent Applications Filed:
 - A. Micropump and PCR Enhancement Method— patent application filed on Nov. 16, 2011;
 - B. An Apparatus for Multi-Axial Actuation— patent application filed on July 14, 2011.
4. List invention disclosures, patent, copyright and PVP applications filed, technology licenses/options signed, start-up businesses created, and industry involvement:

We have established a new relationship with a Finnish group for future pump development. The Finnish group and the University are in negotiations presently, and the Finnish group has submitted a proposal for government funding.

5. Include funding burn rate: 8% To Date (4% for Quarter)

6. Any other pertinent information:.