

Idaho Incubation Fund Program

Quarterly Progress Report Form

Proposal No. IF 11-018
Name: Dave McIlroy/Gustavo Arrizabalaga
Name of Institution: University of Idaho
Project Title: Bone Growth Prostheses

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:

Finished an experiment where the veterinary orthopedic surgeon drilled nanospring-enhanced screws into and out of a dry bone and analyze the residual material attached nanosprings. The enhanced screws had more residual bone material in contact with the screw than the controls. Presently, growing bone in vitro on the nanospring enhanced bone plates to do mechanical testing and perfecting the metal/metal alloy coatings of the nanosprings on the bone plates.

2. Provide a summary of budget expenditures for the period just completed:

**Salaries: \$6462.40
Fringe Benefits: \$100.84
Operating Expenses: \$1811.20**

3. List patents, copyrights, plant variety protection certificates received or pending:

PCT application was filed Dec 1, 2011, U of Idaho No. OTT 10-018 titled "Method for Stimulating Osteogenesis".

4. List invention disclosures, patent, copyright and PVP applications filed, technology licenses/options signed, start-up businesses created, and industry involvement:

5. Include funding burn rate:

Burn rate is \$2792.00

6. Any other pertinent information:

Submitted a grant application to NSF, October 31, 2011, based on this study for mechanical analysis of the bone/nanospring/orthopedic device complex.