



IDAHO STATE BOARD OF EDUCATION

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February 15, 2011

Dr. David McIlroy
University of Idaho
P.O. Box 440903
Moscow, ID 83844-0903

FUNDING AUTHORIZATION

Dear Dr. McIlroy:

The University of Idaho, Department of Physics is authorized to expend up to \$50,000 toward expenses of the project entitled "Nanospring Coatings for the Promotion of Bone Growth on Prostheses". The following information applies to these funds.

Amount of Grant:	\$50,000
Project Title:	Nanospring Coatings for the Promotion of Bone Growth on Prostheses
Grant Number:	IF11-018
Authorized Uses for the Funds:	Project expenditures as outlined in the budget of the approved proposal
Fiscal Period in which funds will be expended:	March 1, 2011 – June 30, 2012
Distribution of Funds:	All funds for this grant will be distributed in one lump sum in FY2011. The Institution is responsible for accounting for the funds and insuring that the money is spent on the project according to the grant guidelines.
Institutional Contact:	Gene Merrell and Polly Knutson
Progress (Financial Burn Rate) Report Due to OSBE:	June 1, 2011 September 1, 2011 December 1, 2011 March 1, 2012
Final (End-of-Project) Report Due to OSBE:	June 15, 2011

The grants and contracts officer or the designated research officer at your institution is responsible for monitoring and assisting with the administrative management of the projects and ensuring that progress and final reports are submitted by the due dates given. Any request concerning this project must be submitted via email to Patty Sanchez.

The State Board of Education and this office forward their congratulations and wish grantees the best with their projects. If you have any questions, please contact Patty Sanchez at (208) 332-1562 or patty.sanchez@osbe.idaho.gov.

Sincerely,

A handwritten signature in black ink that reads "Mike Rush".

Mike Rush
Executive Director

cc: Doug Baker, Provost
Lloyd Mues, Financial VP

Idaho Incubation Fund Program

Quarterly Progress Report Form

Proposal No. 1F11-018
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:

We have confirmed the ability to grow nanosprings on both medical grade stainless steel and titanium bone plates and screws. We are in process of determining the bone cell responses to this material in vitro compared to bone devices without nanosprings. We have met with a veterinary orthopedic surgeon and animal research facility operator to determining a protocol for in vivo project. Within the next quarter, we plan to drill these coated screws into dry bone and analyze the durability of the attached nanosprings.

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

Salaries:	2769.60
Fringe Benefits:	234.32
Operating Expenses:	1563.65
Tuition and Training Remission:	3006.00

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

4. List invention disclosures, patent, copyright and PVP applications filed, technology licenses/options signed, start-up businesses created, and industry involvement:
The patent application was filed July 19, 2011 (13/135,933) titled "Method for Stimulating Osteogenesis". Kyon Veterinary Surgical Products CEO has requested our contact information.

5. Include funding burn rate: **\$2525.00/month**

6. Any other pertinent information: **Our project was nominated and is a finalist for 2011 Idaho Innovation Awards: Early-Stage Innovation of the Year.**