

Report Information

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	1R03AI078154-01	066470972	2011 / 2	No

Award Recipient Information

Recipient DUNS Number 066470972	Recipient Address 1 107 SAMFORD HALL
Recipient Account Number 219037	Recipient Address 2
Recipient Congressional District 02	Recipient City AUBURN
Parent DUNS Number 066470972	Recipient State AL
Recipient Type 2U.G6.M8.OH.VW	Recipient ZIP Code + 4 368490001
Recipient Legal Name AUBURN UNIVERSITY	Recipient Country USA
Recipient DBA Name	

Project / Award Information

Funding Agency Code 7529	Total Number of Sub Awards less than \$25,000/award 1
Awarding Agency Code 7529	Total Amount Sub Awards less than \$25,000/award 7000.00
Program Source (TAS) Code 75-0900	Total Number of Sub Awards to 0 Individuals
Sub Account Number for Program Source	Total Amount of Sub Awards to 0.00 Individuals
CFDA Number 93.701	Total Number of Payments to 15 Vendors less than \$25,000/award
Amount of Award 76451.00	Total Amount of Payments to 2910.05 Vendors less than \$25,000/award
Award Date 07/22/2009	
Award Description Giardia is an important cause of diarrheal disease in humans and other animals. Safer and more effective therapies are needed. We propose in this research to evaluate several candidate compounds (in addition to SP 1020 - our lead compound). To date we have re-acquired isolates of Giardia and also samples of candidate drugs. We have arranged for delivery and placement of Giardia into Gerbils for propagation. We can then begin the encystment studies in vitro. As cysts become available, we can initiate the dose-finding studies in mice and then move to the Gerbil model. When these studies are complete, we will then be capable of determining whether the candidate drugs can be advanced to further (possibly pre-clinical) studies. The goal of this project is that, within one-year, a proof of	

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concept for the novel class of inhibitors (that affect both trophozoite growth and encystation in vitro) will be accomplished. A lead compound will be tested for efficacy in two in vivo models of Giardiasis, an initial pharmacokinetic/toxicology assessment will be performed, and a determination will be made whether the lead compound should be advanced into phase I clinical trials.

Project Information

Project Name or Project/ Program Title	Quarterly Activities/ Project Description	Activity Codes (NAICS or NTEE-NPC) (up to 10)
Anti-Giardia Cyst Wall Synthase Drugs: In-vivo Testing	Giardia is an important cause of diarrheal disease in humans and other animals. Safer and more effective therapies are needed. Our plans are to evaluate SP 1020 (our lead compound) against trophozoites in vitro. To date we have re-acquired an isolate of Giardia and also samples of candidate drug. We have established methods for maintaining Giardia trophozoites in cell-free media. We are working on solubilization of SP 1020 in media and evaluation against trophozoites. We anticipate that we will have preliminary data for SP 1020 against trophozites of Giardia by the end of the summer quarter.	Activity Code 1 B43 - NTEE Activity Code 2 Activity Code 3 Activity Code 4 Activity Code 5 Activity Code 6 Activity Code 7 Activity Code 8 Activity Code 9 Activity Code 10
Project Status	Completed 50% or more	
Total Federal Amount ARRA Funds Received/ Invoiced	71651.80	
Number of Jobs	0.00	
Description of Jobs Created	no jobs this quarter	

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Total Federal Amount of ARRA Expenditure 71651.80

Total Federal ARRA Infrastructure Expenditure 0.00

Infrastructure Purpose and Rationale

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Infrastructure Contact

Name	Street Address 1
Email	Street Address 2
Phone	Street Address 3
Ext	City
	State
	ZIP Code + 4

Primary Place of Performance

Address 1	Department of Pathobiology
Address 2	166 Greene Hall
City	Auburn University
Country Code	US
State	AL
ZIP Code + 4	36849 - 0001
Congressional District	02

Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name
Officer 1 Name		Officer 3 Compensation
Officer 1 Compensation		Officer 4 Name
Officer 2 Name		Officer 4 Compensation
Officer 2 Compensation		Officer 5 Name
		Officer 5 Compensation

Report Audit Trail

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