

**Report Information**

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

**Award Recipient Information**

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

**Project / Award Information**

<b>Funding Agency Code</b> 7529	<b>Total Number of Sub Awards less than \$25,000/award</b> 1
<b>Awarding Agency Code</b> 7529	<b>Total Amount Sub Awards less than \$25,000/award</b> 7000.00
<b>Program Source (TAS) Code</b> 75-0900	<b>Total Number of Sub Awards to 0 Individuals</b>
<b>Sub Account Number for Program Source</b>	<b>Total Amount of Sub Awards to 0.00 Individuals</b>
<b>CFDA Number</b> 93.701	<b>Total Number of Payments to 15 Vendors less than \$25,000/award</b>
<b>Amount of Award</b> 76451.00	<b>Total Amount of Payments to 2910.05 Vendors less than \$25,000/award</b>
<b>Award Date</b> 07/22/2009	
<b>Award Description</b> 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. 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 begun to force encystment in vitro and to establish infections in our propagation model. The next step will be to initiate the infections in mice and begin the in vivo evaluations in both mice and Gerbils. 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.	<b>Activity Code 1</b> B43 - NTEE <b>Activity Code 2</b> <b>Activity Code 3</b> <b>Activity Code 4</b> <b>Activity Code 5</b> <b>Activity Code 6</b> <b>Activity Code 7</b> <b>Activity Code 8</b> <b>Activity Code 9</b> <b>Activity Code 10</b>
<b>Project Status</b>	Completed 50% or more	
<b>Total Federal Amount ARRA Funds Received/ Invoiced</b>	71651.80	

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<b>Number of Jobs</b>	0.00
<b>Description of Jobs Created</b>	no jobs this quarter
<b>Total Federal Amount of ARRA Expenditure</b>	71651.80
<b>Total Federal ARRA Expenditure</b>	0.00
<b>Infrastructure Expenditure</b>	
<b>Infrastructure Purpose and Rationale</b>	

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**Infrastructure Contact**

<b>Name</b>	<b>Street Address 1</b>
<b>Email</b>	<b>Street Address 2</b>
<b>Phone</b>	<b>Street Address 3</b>
<b>Ext</b>	<b>City</b>
	<b>State</b>
	<b>ZIP Code + 4</b>

**Primary Place of Performance**

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

**Recipient Highly Compensated Officers**

<b>Prime Recipient Indication of Reporting Applicability</b>	No	<b>Officer 3 Name</b>	
<b>Officer 1 Name</b>		<b>Officer 3 Compensation</b>	
<b>Officer 1 Compensation</b>		<b>Officer 4 Name</b>	
<b>Officer 2 Name</b>		<b>Officer 4 Compensation</b>	
<b>Officer 2 Compensation</b>		<b>Officer 5 Name</b>	
		<b>Officer 5 Compensation</b>	

**Report Audit Trail**

<b>Created By</b>	Cindy Selman
<b>Date Created</b>	04/01/2011 04:46 PM
<b>Last Updated By</b>	Cindy Selman
<b>Last Updated On</b>	04/06/2011 02:17 PM