

Report Information

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	1R21AI076893-01A1	066470972	2011 / 1	No

Award Recipient Information

Recipient DUNS Number 066470972	Recipient Address 1 107 SAMFORD HALL
Recipient Account Number 381030	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 0
Awarding Agency Code 7529	Total Amount Sub Awards less than \$25,000/award 0.00
Program Source (TAS) Code 75-0900	Total Number of Sub Awards to Individuals 0
Sub Account Number for Program Source	Total Amount of Sub Awards to Individuals 0.00
CFDA Number 93.701	Total Number of Payments to Vendors less than \$25,000/award 138
Amount of Award 401500.00	Total Amount of Payments to Vendors less than \$25,000/award 86631.80
Award Date 05/06/2009	
Award Description The overall purpose is to determine the potential roles of the up-regulated genes in insecticide resistance in mosquitoes. We expect that comparison of 1) levels of resistance and the levels of gene expression and 2) the levels of silenced gene expression in resistant mosquitoes and their corresponding levels of resistance will allow us to identify the genes involved in insecticide resistance. Yr. 2 funding of \$255,500 awarded and added to award amount.	

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Project Information

Project Name or Project/ Program Title	Quarterly Activities/ Project Description	Activity Codes (NAICS or NTEE-NPC) (up to 10)
Characterizing the role of the 22 up-regulated genes in mosquito resistance	<p>We have completed the specific Aim 1: Define the relationship between the levels of resistance and the levels of gene expression, enzyme activity, and protein expression. Analysis on all 14 mosquito strains has been reviewed and is now complete.</p> <p>We have conducted specific Aim 2: Determine the relationship between the silenced expression levels of key genes in HAmCqG8 and their corresponding levels of insecticide resistance. Data for the RNAi study are being analyzed. The interaction or regulation of resistance genes are in analysis.</p> <p>We are conducting analysis to study the role of rhodopsin on the interaction with other resistance genes. This study is expected to be accomplished by the end of July, 2011.</p> <p>We are preparing two manuscripts for this project; one is going to be submitted in the early part of April 2011 and the other is going to be submitted in the early part of June 2011.</p>	<p>Activity Code 1 B43 - NTEE</p> <p>Activity Code 2</p> <p>Activity Code 3</p> <p>Activity Code 4</p> <p>Activity Code 5</p> <p>Activity Code 6</p> <p>Activity Code 7</p> <p>Activity Code 8</p> <p>Activity Code 9</p> <p>Activity Code 10</p>
Project Status	Completed 50% or more	
Total Federal Amount ARRA Funds Received/ Invoiced	287128.39	
Number of Jobs	0.00	
Description of Jobs Created	No jobs to report this quarter.	
Total Federal Amount of ARRA Expenditure	288506.59	

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Total Federal ARRA 0.00
Infrastructure Expenditure
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	301 Funchess Hall
Address 2	
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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