

Report Information

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	0854010	066470972	2011 / 2	No

Award Recipient Information

Recipient DUNS Number 066470972	Recipient Address 1 107 SAMFORD HALL
Recipient Account Number 219040	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 4900	Total Number of Sub Awards less than \$25,000/award 0
Awarding Agency Code 4900	Total Amount Sub Awards less than \$25,000/award 0.00
Program Source (TAS) Code 49-0101	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 47.082	Total Number of Payments to Vendors less than \$25,000/award 44
Amount of Award 71000.00	Total Amount of Payments to Vendors less than \$25,000/award 31384.59
Award Date 08/14/2009	
Award Description Rheology of Lyotropic Nematogenic Nanorod Dispersions - This award will enable investigation of the fundamental rheological behaviors of nanocylinder liquid crystals, particularly, SWNT-DNA liquid crystals. This will enable improved understanding, development and eventual commercializaion of advanced materials enabled by liquid crystalline processing.	

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Project Information	
<p>Project Name or Project/ Program Title Rheology of Lyotropic Nematogenic Nanorod Dispersions</p> <p>Quarterly Activities/ Project Description This project investigates how single-walled carbon nanotubes, one of the worlds strongest and most conductive materials, can be dispersed in solutions of DNA. The focus is on understanding the rheology or flow response of these systems. This is important for knowing how these dispersions can be processed into advanced materials such as films with unique optical signatures and sensors. Essentially four variables are being investigated at 1) how the dispersion is prepared 2) the nanotube concentration 3) the shear rate and 4) the temperature. This fundamental research project will help in the development of advanced materials for sensors and multifunctional coatings.</p>	<p>Activity Codes (NAICS or NTEE-NPC) (up to 10)</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	69664.80
Number of Jobs	0.17
Description of Jobs Created	Graduate Assistant
Total Federal Amount of ARRA Expenditure	71000.00
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	212 Ross 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

Created By	Cindy Selman
Date Created	07/06/2011 02:48 PM
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