15:40:56

Active Project #: G-33-584 Cost share #: Rev #: 0 Center # : 10/11-6-P5434-0A0 OCA file #: Center shr #: Work type : INST Document : SUBCONT Contract#: RH229-113/1182414 Mod #: Prime #: \$164B40010 Contract entity: GTRC CFDA: 84.164 Subprojects ? : N PE #: NA Main project #: Project unit: CHEMISTRY Unit code: 02.010.136 Project director(s): IKEDA R A CHEMISTRY (404)894-4037 Sponsor/division names: UNIVERSITY OF GEORGIA / ATHENS, GA Sponsor/division codes: 400 / 009 Award period: 950303 to 960630 (performance) 960731 (reports) Sponsor amount Total to date New this change Contract value 26,142.00 26,142.00 Funded 26,142.00 26,142.00 Cost sharing amount 0.00 Does subcontracting plan apply ?: N Title: MOLECULAR BIOLOGY/RECOMBINANT DNA WORKSHOP **PROJECT ADMINISTRATION DATA** OCA contact: Ina R. Lashley 894-4820 Sponsor technical contact Sponsor issuing office DR. EDWARD J. DAVIS MS. TAMMY COTTON (706)542-4043 (706)542-5959 THE UNIVERSITY OF GEORGIA THE UNIVERSITY OF GEORGIA SCHOOL OF TEACHER EDUCATION OFFICE OF THE V.P. FOR RESEARCH 315 ADERHOLD HALL BOYD GRADUATE STUDIES RESEARCH CTR ATHENS, GA 30602-7121 ATHENS, GA 30602-7411 Security class (U,C,S,TS) : U Defense priority rating : NA ONR resident rep. is ACO (Y/N): N NA supplemental sheet Equipment title vests with: Sponsor GIT NA

Administrative comments -

INITIATION OF SUBGRANT UNDER DEPT OF ED/EISENHOWER GRANT. <u>*NOTE: DUE NLT 30</u> DAYS FROM COMPLETION: 1)FINAL INVOICE;2)SF 269;3)PROPERTY REPORT.

GEORGIA INSTITUTE OF TECHNOLOGY OFFICE OF CONTRACT ADMINISTRATION

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NOTICE OF PROJECT CLOSEOUT

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Clo	seout Notice	Date (08/14/96
Project No. β-33-584	Center No.	10/11	-6-P5434-0A
Project Director IKEDA R A	School/Lab	CHEMIS	STRY
Sponsor UNIVERSITY OF GEORGIA/ATHENS, GA			
Contract/Grant No. RH229-113/1182414	Contract E	Entity (GTRC
Prime Contract No. S164B40010			
Title MOLECULAR BIOLOGY/RECOMBINANT DNA WORKSHOP_			
Effective Completion Date 960630 (Performance) 96	0731 (Report	ts)	
Closeout Actions Required:		Y/N	Date Submitted
Final Invoice or Copy of Final Invoice		Y	960801
Final Report of Inventions and/or Subcontract	s	N	
Government Property Inventory & Related Certi		Y	
Classified Material Certificate		N	<u></u>
Release and Assignment		N	
0ther	- 1000 p. jama	N	
Comments			
Subproject Under Main Project No			
Continues Prpject No			
Distribution Required:			
	Y		
Project Director			
Project Director Administrative Network Representative	Y		
•	Y Y		
Administrative Network Representative			
Administrative Network Representative GTRI Accpunting/Grants and Contracts	Y		
Administrative Network Representative GTRI Accpunting/Grants and Contracts Procurement/Supply Services	Y Y		
Administrative Network Representative GTRI Accpunting/Grants and Contracts Procurement/Supply Services Research Property Managment	Y Y Y		
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Administrative Network Representative GTRI Accounting/Grants and Contracts Procurement/Supply Services Research Property Managment Research Security Services Reports Coordinator (OCA)	Y Y N Y		
Administrative Network Representative GTRI Accounting/Grants and Contracts Procurement/Supply Services Research Property Managment Research Security Services Reports Coordinator (OCA) GTRC	Y Y N Y Y		

<u>Georgia Tech</u>

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School of Chemistry and Biochemistry

6-33-584

#1

Georgia Institute of Technology Atlanta, Georgia 30332-0400 USA 494•894•40+2 404•894•7-52 Fax

May 1, 1996

Dr. Ed Davis Eisenhower Higher Education Program 315 Aderhold Hall Athens, GA 30602-7121

Dear Ed;

Enclosed is the final project report for the Eisenhower "Molecular Biology/Recombinant DNA" Workshop. If you have any questions please do not hesitate to call me.

L

Sincerely, Dank.

Richard A. Ikeda

Dwight D. Eisenhower Mathematics and Science **Program in Higher Education**

PROJECT DIRECTOR'S FINAL REPORT

Eisenhower Project No. E60-SD10

Title Molecular Biology/Recombinant DNA Workshop

Director Richard A. Ikeda

Institution Georgia Institute of Technology

Circle one: (a)Public 4-year university or college b) Public 2-year university or college c) Private 4-year university or college

- d) Private 2-year university or college

Amount of Grant \$ 26,142

GRANTEE ACTIVITIES A.

Provide a listing of all local education agencies that participated in your activities: ⁻ A-1 Atlanta Public School System, Gwinnett County School System Fulton County School System, Fayette County School System Cobb County School System Center for Education Integrating Science, Mathematics, and

Computing--Georgia Institute of Technology

- Circle the category that best fits the primary focus of activities conducted under A-2 your grant. (Circle only one)
 - a) Establishing traineeship programs for new teachers who will specialize in teaching mathematics and science at the secondary school level
 - b) Retraining:

1) teachers who specialize in disciplines other than mathematics and science, to specialize in mathematics and science

2) mathematics and science secondary school teachers to expand their areas of specialization within those disciplines or to expand their specializations across disciplines

(c)) Inservice training for elementary, secondary, and vocational school teachers and training for other appropriate school personnel to improve their teaching skills in mathematics and science

d) Other (Specify

B. PARTICIPATION

a) Male b) Female TOTAL

(Should equal B-1 total)

--c)

B-1 Provide the number of participants by each of the following positions: (List only under the category which is the participant's primary function.)

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of Participants

a) Teachers		10	
b) Preservice to	eacher candidates	0	
c) Administrate	ors/Supervisors	0	
d) Other (Spec	ify)	0	
e) Total numb	er of participants	10	

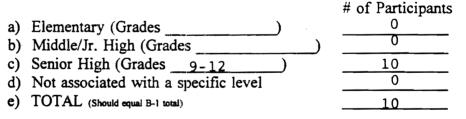
B-2 Provide the number of participants for each of the following categories:

of Participants '

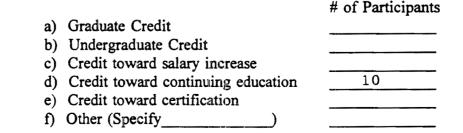
10

	White, non-Hispanic Black, non-Hispanic	8
c)	Hispanic	
d)	Asian/Pacific Islander	
e)	Amer. Indian/Alaskan Native	
f)	TOTAL (Should equal B-1 total)	10

B-3 Provide the number of participants by each of the following levels of schooling (of students taught or worked with): (Provide the grades that are included in the levels of school indicated. List only under the category that the participants primarily taught or worked with.)



Provide the number of participants receiving each of the following types of credit **B-4** after participating in an Eisenhower Higher Ed activity: (List all types of credit received. This will be a duplicate count.)



The purpose of the Molecular Biology/Recombinant DNA workshop was to enable the participants to become current in the fields of Molecular Biology and Recombinant DNA. In addition, the workshop was to provide the background and materials for the participants to conduct their own Molecular Biology/Recombinant DNA workshop or class to continue to develop both their understanding of Molecular Biology/Recombinant DNA and their skills in teaching Molecular Biology/Recombinant DNA. At the conclusion of the workshop, the 10 participants were asked to respond (on a scale of 1 (lowest) to 5 (highest)) to a series of questions in order to evaluate the results of the workshop. The evaluation questions and the average responses are summarized in the following table:

Evaluation Question	Average Response (1 to 5)
1) I increased my personal knowlege in the area of Molecular Biology and Recombinant DNA	4.80
 learned about the relevance and practical applications of Molecular Biology and Recombinant DNA 	5.00
3) I learned how to communicate science differently	4.50
4) I learned how to teach science differently	4.40
5) I developed new materials to present to my students	4.90
6) I developed new instuctional strategies to use with my students	4.56
7) I increased my laboratory skills	4.70
8) I learned and developed new labs and demonstrations to present to my students	5.00
 I increased my knowledge of Molecular Biology and Recombinant DNA so that I might assist my colleagues in teaching these topics 	4.80
10) I now have new enthusiam for teaching Molecular Biology and Recombinant DNA	4.90
11) I have learned practical applications of Molecular Biology and Flecombinant DNA	5.00
12) I am now able to present new labs and demonstrations to my students	5.00
13) I will be able to assist colleagues when they teach Molecular Biology and Recombinant DNA	4.90
14) I now know a new set of teachers with whom I can share ideas, materials, etc.	4.90
15) I have access to new resources for my students	4.80
16) I have new ideas for my own continued professional and personal development	4.90
17) I have developed plans to make presentations at local or regional conferences	4.60
 I have developed a plan for taking Molecular Biology and Recombinant DNA back to my classroom 	4.90
 I have changed my attitude about doing experiments or demonstrations in Molecular Biology/Recombinant DNA 	4.70
20) I will increase the amount of time doing my classes spend doing experiments in Molecular Biology/Recombinant DNA	4.80
21) I will be better able to improve my students attitudes towards science	4.70
22) In my opinion the value of the workshop to me was:	5.00

The average responses of the participants clearly indicates that the purpose of the Molecular Biology/Recombinant DNA Workshop achieved that the workshop was a success. In addition, during academic year contact with the participants 7 out of the 10 participants incorporated into their own classes lectures based on material presented in the workshop and at least one experiments/demonstrations in the area of molecular biology and recombinant DNA.