Project Title: New Methods for Biomedical Research

Project No: G-33-D03

Project Director: Dr. Nai-Teng Yu

Sponsor: DHEW/PHS/NIH National Eye Institute (Research Career Development Program)

Agreement Period: From 7/1/78 Until 6/30/79 (03 year)

Type Agreement: Grant No. 5-K04-EY00073-03

Amount: $33,067

Reports Required: Annual Progress Reports with continuation applications; Terminal Progress Report upon Grant expiration

Sponsor Contact Person(s):

Technical Matters

Herbert Yellin, PH.D.
Extramural Program Director
Cataract Program
National Eye Institute
Bethesda, MD 20014

Contractual Matters
(thru OCA)

Ave M. Connors
Grants Management Contact
Extramural Services Branch
National Eye Institute
Bethesda, MD 20014

Phone: 301-496-5884

NOTE: FOLLOW-ON PROJECT TO G-33-D02 (02 YEAR)

Defense Priority Rating: None

Assigned to: Chemistry (School/Laboratory)

COPIES TO:

Project Director
Division Chief (EES)
School/Laboratory Director
Dean/Director—EES
Accounting Office
Procurement Office
Security Coordinator (OCA)
Reports Coordinator (OCA)

Library, Technical Reports Section
EES Information Office
EES Reports & Procedures
Project File (OCA)
Project Code (GTRI)
Other
6/30/79 (03 gea/E)

Termination Date: September 6, 1979

Project Title: New Methods for Biomedical Research

Project No: G-33-D03

Project Director: Dr. Nai-Teng Yu

Sponsor: DHEW/PHS/NIH National Eye Institute (Research Career Development Program)

Effective Termination Date: 6/30/79 (03 year)

Clearance of Accounting Charges: 6/30/79

Grant/Contract Closeout Actions Remaining:

- Final Invoice and Closing Documents
- Final Fiscal Report
- Final Report of Inventions
- Govt. Property Inventory & Related Certificate
- Classified Material Certificate
- Other: Annual Report of Expenditures (03 year) due no later than 9/30/79.

NOTE: FOLLOW-ON PROJECT IS G-33-D04 (04 YEAR).

Assigned to: Chemistry (School/Laboratory)

COPIES TO:

Project Director
Division Chief (EES)
School/Laboratory Director
Dean/Director—EES
Accounting Office
Procurement Office
Security Coordinator (OCA)
Research Property Coordinator (OCA)

CA—4 (1/79)
PROGRESS REPORT

NAME OF HEAD OF DEPARTMENT OR DEPARTMENTAL SUBDIVISION
J. A. Bertrand

ACCOMPILMENTS COVERING PERIOD
FROM	July 1, 1979
THROUGH	June 30, 1980

NAME OF Awardee
Nai-Teng Yu

INSTITUTION
Georgia Institute of Technology

TITLE OF RESEARCH PROPOSAL (REPEAT TITLE SHOWN ON PAGE 1)
New Methods for Biomedical Research

STATEMENT OF ACCOMPLISHMENT (IF SPACE IS INADEQUATE, USE CONTINUATION PAGE)

1. Dr. Yu has completed the testing of a new multichannel Raman system which proves to be ideally suited for hemeprotein and cataract research.

2. Dr. Yu continued to supervise the research of two postdoctoral associates, one graduate student, and one research specialist, and to collaborate on research with Professor John F. R. Kuck of Emory University, School of Medicine.

Service in an advisory capacity:


2. Consultant to laser Raman project at National Tsing-Hua University, Shinchu, Taiwan, R.O.C.

Outside lectures and seminars:

1. Kiwanis Club, "Human Cataractogenesis", July 21, 1979, East Point, GA.


Publications:


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<tr>
<th>Item</th>
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<tr>
<td>a</td>
<td>Personnel</td>
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<td>b</td>
<td>Consultant services</td>
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<td>c</td>
<td>Equipment</td>
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<td>f</td>
<td>Travel, foreign</td>
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<td>g</td>
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<td>h</td>
<td>Alterations and renovations</td>
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<td>Rate</td>
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<tr>
<td></td>
<td>$30,752.40</td>
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<tr>
<td>l</td>
<td>TOTAL</td>
<td>$33,067.56</td>
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</table>

2. Expenditures from Prior Periods (previously reported) |
3,856.44

3. Cumulative Expenditures |
84,924.00

4. Total Amount Awarded — Cumulatively |
84,924.00

5. Unexpended Balance (Item 4 less Item 3) |
-0-

6. Unliquidated Obligations |
-0-

7. Unobligated Balance (Item 5 less Item 6) |
-0-

8a. Cost Sharing Information — Grantee Contribution This Period |

8b. % of Total Project Costs (Item 8a divided by total of Items 1 and 8a) |
%

9a. Interest/Income (enclose check) |

9b. Other Refundable Income (enclose check) |

10. Remarks |
    * 7.5284%

I hereby certify that this report is true and correct to the best of my knowledge, and that all expenditures reported herein have been made in accordance with appropriate grant policies and for the purposes set forth in the application and award documents.

Dr. Nai-Teng Yu, Assoc. Professor

David V. Welch, Manager Grants & Contracts Acctg.

Hew-489 (Rev. 10/73/404/894-4624) REPORT OF RESEARCH GRANT EXPENDITURES

OMB 85R0219