

PD-ABE-724
SN 79112

LIMITED SCOPE
PROJECT GRANT AGREEMENT

Between the United States of America, acting through
the Agency for International Development (A.I.D.)

AND

The University of Yaounde (Grantee)

1. Project Title:
Molecular cloning of Onchocerca
Volvulus Surface Antigens

A.I.D./SCI Proposal No. 10.085

2. A.I.D. Project Number:
936-5600

Fiscal Data:
Appropriation: 72-112/31021.6
BPC: DDS2-92-29631-KG11

3. Amount of A.I.D. Grant:

\$150,000

4. Grantee Contribution
to the Project: Office
and laboratory space,
other in-kind contri-
butions, technical
personnel.

5. Project Assistance
Completion Date

July 1, 1996

6. This Agreement consists of this title and
Annex A. Project Description including Illustrative Budget
and Special Provisions
Annex B. Standard Provisions.

7. For the Grantee:

8. For the Agency for
International
Development:

Title: Prof. Stanislas Melone
Vice Chancellor of the
University of Yaounde

Signature: _____

Date: _____

Title: ^{for} Peter Benedict
Director
USAID/Cameroon

Signature: _____

Date: _____

AUG 27 1996

ANNEX A

PROJECT DESCRIPTION

1. Project Title: Molecular Cloning of Onchocerca Volvulus Surface Antigens
2. AID Project Number: 936-5600
3. The project will use genetic engineering techniques to produce large quantities of the surface antigens of the infective larvae (L3) and microfilariae (mf) of onchocerca volvulus for testing as candidate vaccines.

The specific objectives are:

- a.) To raise in mice and rabbits specific polyclonal antibodies to mf surface antigens;
- b.) To use the antisera developed in (1) to screen appropriate genomic and CDNA lambda gt II libraries for clones that express the dominant mf surface epitopes.
- c.) To isolate and characterize the cloned epitopes biochemically, immunologically and through the sequencing of the DNA encoding them;
- d.) To overexpress and purify the most interesting epitopes identified in (3) for further testing as candidate vaccines.

The University of Yaounde will provide office and laboratory working space needed for the Principal Investigator, Dr. Vincent Titanji, and technicians to carry out the activities of this project. The University of Yaounde will also provide administrative support as needed, to the principal investigator and other reseachers involved in the project.

SPECIAL PROVISIONS

I. Financial Procedures:

An illustrative budget for A.I.D. funds to be disbursed by the University of Yaounde under this grant is attached. The University of Yaounde may request advance of funds under this grant by submitting Part One, Advance Request of Attachment I and a SF 1034 Public voucher (Attachment II). Funds may be advanced to cover projected disbursing needs for up to ninety days. Subsequently, requests for funds will be prepared using Part One of Attachment I. To ensure that sufficient funds remain prior to obtaining your next advance, Part One of Attachment I should be submitted to A.I.D. one month prior to the end of the quarter. Part Two of Attachment I shows how the funds previously provided were used (original receipts supporting all expenditures being claimed must be attached to Part Two). Part Two must be completed before A.I.D. may disburse any funds requested in Part One.

Records shall be maintained in accordance with sound accounting practices that are adequate to show the receipt and disbursements of funds and receipts to support goods and services acquired.

II. Project Management:

a.) Mission responsibilities include general technical oversight and administrative actions such as obligation of funds, funds disbursement, funds reporting, voucher certification, general technical review of interim reports to determine satisfactory progress toward benchmarks, assistance in commodity/services procurement, additional waivers that may be required subsequent to obligation. AID/W technical backstop officer can provide support on technical issues regarding the research and assessment of reports. Site visits are considered under special circumstance although AID/SCI financial resources are extremely limited. AID/SCI has also negotiated a cooperative agreement with the National Academy of Sciences to provide a vehicle to involve the U.S. scientific community in support of the PSTC research program, and which will involve the researchers in communication networks with their peers.

b.) AID/W Technical Backstop Officer
Dr. Dennis Carrol, AID/RD/H
Room 702 SA-18
Agency for International Development
Washington, D.C. 20523-1816

III. Reporting and Evaluation

Technical Reports:

Reports must be sufficiently detailed to substantiate the finding and to permit a scientific evaluation of the research. Overseas collaborators must be given fair credit for their participation in the research and a chance to review and comment on the final report before it is submitted. The principal investigator must share a draft of the final report with the A.I.D. project officer for comment prior to the formal submission. Publication of results in scientific journals is encouraged. Additional guidance on report preparation is given in the "interim guidelines on performance report preparation for PSTC and CDR project," available from AID/SCI.

IV. Performance Reports:

Performance Reports are required every six months. The principal investigator will submit reports stating what has been accomplished to date and detailing project management issues. A financial status report will be attached to each report. Reports are due within sixty (60) days after the end of each six month period. Four copies of each report are to be submitted to the Office of the Science Advisor, Room 320 SA-18, Washington, D.C. 20523-1818; one copy to the project technical backstop officer, Dr. Caryn Kolar Miller, ST/HP/H/CD, Room 702 SA-18, Agency for International Development, Washington, D.C. 20523-1817; one copy to the A.I.D. Mission; and two copies to the National Academy of Sciences, BOSTID, 2101 Constitution Avenue, N.W. Washington, D.C. 20418.

V. Final Performance Report:

Within Sixty (60) Days after the termination date of the Grant, the principal investigator will submit copies of the final report to the Office of the Science Advisor, A.I.D., Room 320 SA-18, Washington, D.C. 20523-1818; one copy to the Mission; one copy to the project technical backstop officer, Dr. Caryn Kolar Miller, ST/HP/H/CD, Room 702 SA-18, Agency for International Development, Washington, D.C. 20523-1817; one copy to Bureau for Program and Policy Cordination, Center for Development Information and Evaluation (PPC/CDIE), Room 215C, SA 18, Washington, D.C. 20523-1802; and one copy to the National Academy of Sciences, BOSTID, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

VI. The Financial Status Report:

A (SF-269) is required every six months and will be submitted as an attachment to the performance report.

Voucher Paying Office
Office of the Controller
USAID/Yaounde
Washington, D.C. 20520-2520

VII. Evaluation:

Project Evaluation must be based on analysis of final report and other information deemed appropriate by project manager. Final evaluation should be completed not later than (NLT) ninety days after final report submission and should contribute to Mission's Project Completion Report.

A. Compliance with Federal Guidelines and Regulatory Procedure:

1. The recipient will implement this research activity in accordance with all relevant guidelines for U.S. government funded research, such as:

(a) The National Institutes of Health (NIH) guidelines for the ethical treatment of human subjects;

(b) Guidelines for the handling of radioactive materials;

(c) NIH and USDA guidelines for the handling of pathogenic micro-organisms;

(d) USDA-APHIS procedures for animal and plant health inspection;

(e) The National Institutes of health guidelines for research involving recombinant DNA molecules;

(f) Procedures issued by the USDA, EPA, or other appropriate federal agencies, regarding testing of genetically engineered organisms;

(g) A.I.D.'s environmental procedures; and

(h) Such other federal guidelines and procedures as may apply during the course of the research.

2. In addition, all existing comparable guidelines of the host country in which the research is actually located must be followed.

3. Reports submitted under this activity to A.I.D will address the cited regulatory issues. All modifications of protocols affecting these regulatory concerns must be reported. The investigators are responsible for reporting any difficulties encountered in implementing these protocols.

B. Human Subjects:

Research will be conducted following the protocols described in the amended proposal, letters from P.I. dated January 16, 1991 and November 5, 1990, and Attachment (III) which insures the well-being and informed consent of human subjects. It will also be conducted in accordance with the applicable procedures issued by the U.S. Government to insure ethical treatment of human subjects, and by those issued by the government of the host country in which the human subjects are to be involved.

If the protocol(s) involving human subjects is revised, it must be re-reviewed by the investigator's institutional ethical review committee, and the project officer and the Office of the Science Advisor must be informed in writing before the revised protocol(s) is used. The revised procedures must be consonant with the guidelines issued by the host country and by the United States. If the patient's informed consent form is revised, a copy of the form must be submitted to both the project officer and the Office of the Science Advisor. A copy of the approval of the revised form by the investigator's institutional ethical review committee must also be provided to the project officer and the Office of the Science Advisor.

In addition, however, and prior to commencement of any experimentation involving human subjects, the grantee shall make a judgement and communicate the same to A.I.D. as to whether the regulations, procedures or facilities of the country in question are adequate to ensure the safety and free and informed consent of the human subjects. In the event such judgement is that they are not, the grantee and A.I.D. will consult and agree on the protocol to be applied to insure the safety and free, informed consent of the subjects.

C. Laboratory safety and hazard containment:

Research will be conducted following the protocols described in the the revised proposal, letters from P.I. dated November 5, 1990 and January 6, 1991 which insure the safety of persons involved in the research. Notwithstanding, the research must be conducted following procedures issued by the U.S. Government and those issued by the Government of the host country for the containment of these hazards.

If the protocols involving laboratory safety and hazard containment are revised, they must be re-reviewed by the investigator's institutional review committee(s) that approved the original protocol, and the project officer and Office of the Science Advisor must be informed in writing before the revised protocols are used. The revised procedures must be consonant with the guidelines of the country in which the laboratory is located, and of the United States. Copies of the approval of the revised protocols by the investigator's institutional review committee(s) should also be provided the project officer and the Office of the Science Advisor.

Similarly, the research will be conducted in the facilities described in the amended proposal. If the research is moved to new facilities, or the facilities are modified in such a way to affect safety or hazard containment, a description of the new facilities must be provided to the project officer and to the Office of the Science Advisor before the research is affected. Any applicable institutional reviews of the facilities must be repeated, and the re-certification must be provided to the project officer and the Office of the Science Advisor.

VIII.

ILLUSTRATIVE BUDGET
A.I.D. CONTRIBUTION (in U.S. Dollars)

	Year 1	Year 2	Year 3	Total
<u>1. Personnel</u>				
Senior Technician (100%)	5,000	5,300	5,618	15,918
Junior Technician (100%)	3,500	3,700	3,933	11,133
Nurse (10%)	600	600	600	1,800
Fringe (6%)	546	577	609	1,732
<u>II Commodities</u>				
Equipment	26,196	--	--	26,196
Materials/Supplies	22,050	16,250	12,264	50,564
<u>III. Travel</u>	9,622	10,250	10,878	30,750
<u>IV. MISC.</u>				
Fax/Shipping	2,000	2,000	2,000	6,000
<u>IV. Indirect Costs</u>	<u>2,765</u>	<u>--</u>	<u>3,135</u>	<u>5,900</u>
Total	72,279	38,677	39,037	149,993

Government of Cameroon Contribution
(in U.S. Dollars)

	Year 1	Year 2	Year 3	Total
<u>I. Personnel Salaries</u>				
Principal Investigator (40%)	6,200	6,200	6,600	19,000
Research Associate (20%)	2,800	2,800	2,800	8,400
<u>II. Commodities</u>				
Sterile Hood	4,000	--	--	4,000
Centrifuge	<u>5,000</u>	<u>--</u>	<u>---</u>	<u>5,000</u>
Total	18,000	9,000	9,400	36,400

ANNEX B

IX. Standard Provisions to be included in all grants

A. While in the field, the grantee will keep the A.I.D. field Mission(s) generally apprised of the research, but will not request administrative support except for the usual in-country introductions as may be appropriate. The grantee will abide by mission and host government regulations and customs as they apply to AID-supported in-country activities.

B. Project Officer Approval required by paragraph (A) of optional standard provision 3 of this grant entitled, air travel and transportation, is hereby granted for travel between the United States and all other countries described in the project description.

C. The principal investigator(s) and essential scientific staff of grantee and co-principal investigator of the collaborating institutions may not be changed during the life of the research without prior written approval of the Office of the Science Advisor.

D. The standard provisions applicable to this grant are entitled "mandatory standard provisions for U.S., Non-Governmental grantees" and "optional standard provisions for U.S., Non-Governmental Grantees" and are included herein as attachments.

X. Overhead Rate

Pursuant to the required as applicable standard provision of this grant entitled, "negotiated indirect cost rates - provisional", and indirect cost rate or rates shall be established for each of the grantee's accounting periods which apply to this grant.

XI. Title to Property

The title to property acquired under this grant will vest in the grantee in accordance with Optional Standard Provision No. 18 entitled "title to and use of property (grantee title)". When the principal grantee makes a subagreement under this grant agreement, the principal grantee will pass to the subgrantee the provisions of the above cited reference, as appropriate. Equipment purchases on behalf of each collaborating institution shall remain the property of that institution.

XI. Publications

Acknowledgment of A.I.D.'s contribution of any publication resulting from this grant shall be made in accordance with procedures set forth in attachment 3 - Optional standard provision No. 10 entitled "publications"

XII Closeout Procedures

Use procedures in Handbook 13, page 33, para 1.Q.

XIII. Source and origin of goods and services

- A. The country or countries where research or other scientific/technological cooperation takes place shall be the cooperating country for the purpose of permitting cost financing.
- B. Goods and services, except for ocean shipping, financed by A.I.D. under the project shall have their source/origin in cooperating country or the United States and code 935 countries.
- C. Ocean shipping financed by A.I.D. under the project shall, except as A.I.D. may otherwise agree in writing, be financed on flag vessels of the United States.

ATTACHMENT I

AID PROJECT TITLE: Immunological Profile of Pregnant
Women with and Without P. Falciparum

AID PROJECT NUMBER: 936-5979.97

for funds disbursed by: University of Yaounde

PART ONE
ADVANCE REQUEST

for period _____ thru _____

<u>BUDGET CATEGORY</u>	<u>ADVANCE REQUEST</u>
1. <u>PERSONNEL</u>	
2. <u>COMMODITIES</u>	
3. Literature and Professional Journals for 3 years	
4. Other Direct Costs Local Travel and Contingencies	
<u>TOTAL</u>	

(CONTINUED)

12

PART TWO OF ATTACHMENT I
EXPENDITURE REPORT

for the period _____ thru _____

BUDGET CATEGORY

1. PERSONNEL
2. COMMODITIES
3. Literature and Professional
Journals for 3 years
4. Other Direct Costs, Local
Travel and Contingencies

TOTALS

* Budget category breakdown not required, show total only.

The undersigned hereby certifies that payment of the sum claimed above is proper and that appropriate refund to A.I.D. will be made in the event of a disallowance for costs not reimbursable under the terms of the Project Agreement.

(implementing agent rep.)

(date)

13-