R&D in FY 1986: The Reagan Administration, Chapter Two

Tenth Annual AAAS Colloquium on R&D Policy

3 & 4 April 1985

Capital Hilton • Washington, D.C.

- Discussion will be based on AAAS Report X: Research and Development, FY 1986, a timely and comprehensive analysis of the proposals for R&D in the FY 1986 budget, prepared by AAAS and a group of its affiliated scientific, engineering, and higher education associations. Registrants will also receive Proceedings following the Colloquium and Congressional Action on R&D in the FY 1986 Budget in the fall.

- Trends and prospects for R&D in defense, energy, health, space, and other areas will be explored by leaders from industry, universities, agencies of the federal government, Congress, the White House, and the scientific and engineering communities.

- Perspectives will be provided on topics such as deficits and the overall budget climate, R&D and industrial innovation, government organization for science and technology, public and private roles in research, and strategies for government-industry-university cooperation.

For further details, write: R&D Colloquium, AAAS Office of Public Sector Programs, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036

Sponsored by the AAAS Committee on Science, Engineering, and Public Policy

American Association for the Advancement of Science
Advance Registration Form (SI)

Wednesday & Thursday, 3 & 4 April, The Capital Hilton, 16th & K Streets, N.W., Washington, D.C.

Registrant’s Name ______________________ (last name) ______________________ (first name and initial)

Affiliation ________________________________________________________________

Mailing Address __________________________________________________________

________________________ (street and number) _____________________________ (city)

________________________ (state and zip) _____________________________ (telephone number)

☐ Please check here if you need special services due to handicap. We will contact you prior to the meeting.

Enclosed is a check, purchase order, or credit card information (see below) for:

☐ $150  Full Registration (sessions, three meals, three publications)
☐ $110  Partial Registration (sessions, three publications)
☐ $  50  Student Registration (sessions, three publications; full-time graduate and undergraduate students only)

Separate Meal Tickets:  ☐ Lunch, Wed. ($20)  ☐ Contl. Breakfast, Thu. ($7)  ☐ Lunch, Thu. ($20)

Packets will be mailed to preregistrants on 18 March; registrations received after 18 March will be held at the AAAS Registration Desk in The Capital Hilton. Refund policy: Advance registration fees and meal tickets will be refunded for cancellations received by 1 April; no refunds will be made on cancellations received after this date.

All registrants will receive AAAS Report X: Research and Development, FY 1986 before or at the Colloquium, published Proceedings following the meeting, and a supplementary report, Congressional Action on R&D in the FY 1986 Budget, in the fall.

Charge to my  ☐ VISA or  ☐ MASTERCARD  Number ___________________________ Expires __________________

Cardholder’s signature ______________________________________________________________________

Return both top & bottom forms (full page) to the following address:

AAAS Meetings R&D, 1515 Massachusetts Ave., N.W., Washington, D.C. 20005

Capital Hilton Hotel Reservation—AAAS Colloquium (3 & 4 April 1985)

Names and Address of All Occupants of Room:

Name: ______________________ Name: ______________________
Address ____________________________________________________________
City __________ State ______ Zip ______

Room:  ___ Single ($105*)  ___ Double ($115*)  ___ Twin ($115*)

Arrival: Date _____________ Time _____________
Departure: Date _____________ Time _____________

Special housing needs due to handicap _______________________________________

Enclose separate check, made out to The Capital Hilton, for first night’s room deposit or indicate major credit card number:

Credit Card Name ______________________ Number ______________________ Expires _____________

Cardholder’s signature ________________________________________________

Capital Hilton Hotel Reservation—AAAS Colloquium (3 & 4 April 1985)

(Reservations received after 10 March cannot be guaranteed)
THE U.S. ARMY MEDICAL RESEARCH AND DEVELOPMENT COMMAND
IS ACCEPTING PROPOSALS FOR RESEARCH IN
STAPHYLOCOCCAL TOXINS OF MILITARY IMPORTANCE

(DAMD17-85-R-0031)

Novel methods to mitigate the pathophysiological effects in military person-

nel caused by staphylococcal toxins are sought. Studies addressing both the

mechanisms by which the toxins exert their effects and methods of protection or

treatment of special interest

The primary emphasis is on the enterotoxins, with staphylococcal enterotoxin

B (SEB) serving as the model for other serotypes. Program interests may be

expanded to include other staphylococcal toxins that may be produced simulta-

neously or concurrently with the enterotoxins in a natural or artificially

contaminated scenario.

Research areas of interest include the following:

1. Mode of action. Studies involving specific mechanisms that provoke

 symptoms following oral, intravenous, and pulmonary routes of exposure to

toxins.

2. Immune response. Evaluation of conventional toxoids, development of

 new candidate immunizing agents such as peptide fragments, subunits or

 products derived from genetic manipulation.

3. Structure/function studies. Biochemical investigation to elucidate the spe-

 cific toxic site of the enterotoxin molecule. Studies on receptor binding of

 the toxins.


 Recent breakthroughs that may lead to new immunogens or antigens for use

 in diagnostic or immunization procedures.

5. Pathogenesis. Effects of enterotoxin encountered via the pulmonary route.

 Effects of the toxin in combination with other known agents that alter pulmonary

 function. Development of model systems to evaluate aerosol exposure.

6. Treatment: Identification, development, and evaluation of any drugs or

 other biologicals (including antisera) that can be used to reverse the effects

 of toxin or to ameliorate the symptoms of intoxication.

Proposals may be submitted for one or more of the above topics or a specific

 portion of one topic. A proposer may submit separate proposals on different

 topics or different proposals on the same topic.

In accordance with the Federal Acquisition Regulation (FAR) any contracts

 awarded under this solicitation may be of any type or combination of types which

 will promote the best interests of the Government. It is anticipated that multip-

 le years, incrementally-funded, level-of-effort type, cost reimbursement contracts

 will be awarded. Each increment will be approximately 12 months. Duration of the

 contract should be commensurate with the proposed scope of work but in no case

 shall exceed five years.

PROPOSAL PREPARATION INSTRUCTIONS AND REQUIREMENTS

Research proposals shall include a table of contents and should cover the

 points cited below, insofar as they are applicable. TECHNICAL AND COST

 PROPOSALS SHALL BE SEPARATE DOCUMENTS. THE TECHNICAL PROPOSAL

 Shall NOT CONTAIN COST DATA.

a. Name and Address of Organization. At least one copy must carry the

 original signatures of an official authorized to legally bind the organization.

b. Title and Description of Proposed Research. Submit a detailed description

 of the research objectives, approach, methods, military relevance and applica-

 tions, summary of previous or on-going work that may be relevant, bibliography

 and literature references. No cost information shall be included in the technical

 portion of the proposal.

c. Research Involving Human Subjects. No research involving human sub-

 jects is to be considered.

d. Research Involving Animals. Acknowledgement that conduct and report-

 ing of the studies shall adhere to the "Guide for the Care and Use of Laboratory

 Animals," (DHHS Pub. No. 80-23, 1978) must be included. Submit a detailed listing of the

 types and numbers of animals required.

e. Personnel. Qualifications of the principal investigator and other senior

 professional personnel and the time each will devote to the research. This

 information, to the extent that it is information about an individual, is subject to the

 requirements of the Privacy Act of 1974 (5 USC 552a)). The principal purpose

 and routine use of the information are for the evaluation of the qualifications of

 those persons who will perform the research. Disclosure of the information is voluntary,

 but failure to provide such will prevent evaluation of the proposal. Related

 organizational experience in the research area may also be described.

f. Facilities and Equipment Available. Also, specify types of equipment to be

 purchased.

BUSINESS PROPOSAL CONTENT

g. An estimate of the total research project cost with a breakdown of funds by

 category (direct labor cost, indirect cost, property cost or equipment cost, travel

 cost, publication cost, consultant cost, other direct costs, fees or profit) by year

 must accompany each proposal and must be submitted on SF 1411 with complete

 supporting information. (The SF 1411 must be separate from the technical

 proposal. Absolutely no cost information shall be included in the technical

 proposal.)

Every effort will be made to protect the confidentiality of the proposal and

 its contents. The submitter may mark the proposal with a legend such as that

 provided in FAR 52.215-12. Proposals containing a more restrictive legend

 shall not be considered.

Unnecessarily elaborate brochures or presentations beyond that sufficient to

 present a complete and effective proposal are not desired.

CONSIDERATIONS

Reports. Quarterly, annual and final progress reports shall be required in

 accordance with the schedule of any resultant contract. Reprints of any publica-

 tions resulting from sponsored research shall also be provided to the USAMRDC.

Contract Provisions. Contracts awarded shall contain, where appropriate,

detailed special provisions concerning patent rights, rights in technical data and

cost, property, data, and computer software, reporting requirements, equal

employment opportunity, care of laboratory animals, use of human subjects,

Good Laboratory Practices requirements, procedures for safeguarding proprietary

 information, acquisition and disposition of equipment, and other provisions required by

the FAR.

METHODS OF SELECTION AND EVALUATION CRITERIA

Proposals will be evaluated first on their relevance to military and program

 requirements. Those found to be relevant will then be evaluated by a collective

discussion conducted by a Source Selection Board composed of scientists

 knowledgeable in the topic area. Scientific acceptability will be determined by

 the criteria listed below:

a. Research Objective. Is this proposal clearly written, are the goals well

 defined, and is there a logical approach to the problem? Is the proposal designed

 to answer a specific question relating to the biochemical characteristics of the

 toxins, the host response to the toxin, genetic controls of toxin production, or

 effectiveness of therapeutic and/or prophylactic measures used to counter the

 effects of the toxin?

b. Technical Approach. Are the methods described in the proposal state-of-

 the-art? Are there sufficient references given to indicate that a particular line

 of experimentation may prove to be productive? Is adequate background informa-

 tion furnished to indicate a source of materials (e.g. purified toxin, specific

 antisera, etc.), or a method described for generation of new products (e.g. peptide

 fragments)?

c. Quality of Facilities & Equipment. Are they sufficient to accomplish

 the research? If new equipment is needed, is there adequate justification? If facilities

 and/or equipment are shared, is there sufficient information to establish priority

 for this proposal?

d. Investigator Competence. Has the primary investigator demonstrated the

 necessary scientific and administrative capabilities necessary to complete this

 research? Are additional personnel qualified to conduct the specific types of

 studies required (e.g. biochemical, immunological, veterinary, etc.)? Is there an

 adequate number of total man hours proposed to accomplish this proposal?

e. Safety Considerations. Is the investigator cognizant of the requirements

 for and capable of working with any hazardous materials which the proposed

 organization agreed to allow storage and use of such materials in its facility?

f. Animal Use Consideration. Are the studies in which animal models are to

 be used to be conducted in accordance with all applicable laws and regulations?

 Are all necessary assurances of compliance and certificates provided?

g. Genetic Studies. Are all studies to be conducted in accordance with all

 appropriate regulations? Are all necessary assurances of compliance and

 certificates provided?

After determination of scientific acceptability, the Source Evaluation Board

 will determine the competitive range based on priority of program requirements,

 scientific acceptability, and cost to complete the contract. Although cost will be a

 factor in selection, program relevance and scientific acceptability will be more

 significant factors in selection for contract award. Also, the proposed cost must

 be realistic and reasonable to be selected for contract award. Negotiations will

 not be conducted with those contractors in the competitive range, as determined by

 the factors in paragraphs a-g above. Final decisions for funding will be made by the

 USAMRDC based on these criteria and consideration of duplication of other

 research and program balance. The Government may elect to fund several or

 none of the proposed approaches to the same topic. There is no commitment by

 the Government to make any awards on any topic, to make a specific number of

 awards or to be responsible for any monies expended by the proposer before

 award of a contract. It should be noted that only a duly appointed Contracting

 Officer has the authority to enter into a contract on behalf of the U.S. Govern-

ment.

SUBMISSION OF PROPOSALS

Twenty copies of the complete proposal are required for review and

evaluation. Proposals must be received at the address below by 4:00 p.m. on 18

March 1985 to:

Commander

U.S. Army Medical Research Acquisition Activity

ATTN: SGRD-BMA-RC/DAMD17-85-R-0031 (K. Hargett)

Fort Detrick

Frederick, MD 21701-5014