
1. Title of Project:: Viroden Production for CSU subcontract to prime grant 316 from FNIH

2. Partner (signing authority to partner project agreement) _____

Address: Colorado State University, Fort Collins, CO, USA 80523 _____

Tel: _____ Fax: _____ E-mail: _____

2. a. Technical Monitor (partner's designee to oversee project progress, review project reports and other deliverables): Jonathan Carlson _____

Address: Department of MIP, Colorado State University, Fort Collins, CO, USA 80523

Tel: 970-491-7840 _____ Fax: 970-491-1815 _____ E-mail: jcarlson@colostate.edu

3. Project Manager: (list name and title of overall project leader and contact information).

Professor Buchatskyy L.P., National Taras Shevchenko University of Kiev

3. a. Participating CIS Institution(s): National Taras Shevchenko University of Kiev _____

Address: Kiev, Ukraine, Vladimirskaia 64

Tel: 380-44-220-86-91; Fax: 380-44-224-61-664 E-mail: svv@rector.univ.kiev.ua

4. Person-days of Effort of Weapons Scientists/ Total Person-days of Effort: 660

5. Project Duration: February 01, 2006 – February 28, 2007.

Project Cost is under negotiation with Partner \$20,000

7. Project Location and Equipment Location (s): Kiev, Vasilkivska, 98

National Taras Shevchenko University of Kiev

PARTICIPATING INSTITUTIONS

PR-2

(Provide the following information for each participating institution)

Name of Institution: National Taras Shevchenko University of Kiev

Address: Kiev, Ukraine, Vladimirskaia 64

Tel: 380-44-220-86-91; Fax: 380-44-224-61-664 E-mail: svv@rector.univ.kiev.ua

Name and signature of individual authorized to make commitments on behalf of Institution:

Name: Buchatskyy L.P.

Title: Professor

Signature (stamp):

Institution Project Leader:

Name: Buchatskyy L.P.

Title: Professor

- a) Description of the activities to be conducted:
Prof. Buchatsky and coworkers will produce Viroden from *Aedes aegypti* larvae for prime grant 316 from the Foundation for National Institutes of Health. Viroden is a preparation of the *Aedes aegypti* deonucleosis virus (AeDNV). Prof. Buchatsky developed this product for control of mosquitoes. AeDNV is highly specific to mosquitoes and does not infect humans, other vertebrate animals, or other invertebrate species.
- b) Define specific expected outcomes.
Approximately 1 kg of viroden will be delivered to Dr. Carlson at Colorado State University for research on the utility of AeDNV for reducing the vectorial capacity of *Aedes aegypti* populations for dengue viruses.
- c) Define parameters for determining if outcomes have been met.
The Viroden preparations(s) will be assayed at Colorado State University for virus concentration by quantitative PCR, and for its ability to kill mosquito larvae from CSU mosquito colonies and from mosquito populations collected at the field site chosen for outdoor cage trials.

Title of Project: Production of Viroden for CSU subcontract to prime grant 316 from FNIH

Participating Institution National Taras Shevchenko University of Kiev has reviewed the above project proposal and fully accepts the goals and activities described in it. We acknowledge that project support from the Science and Technology Center in Ukraine (STCU) will be subject to the relevant conditions required by the Agreement establishing the STCU, the STCU Statute, decisions of its Governing Board, and by a Partnering Agreement that the institution may enter into with the STCU and Department of MIP, Colorado State University, Fort Collins, CO, USA (Name of Partner)

Name and signature of individual authorized to make commitments on behalf of Institution:

Name: Buchatskyy L.P.

Title: Professor

Signature (stamp):

Date:

PERSONNEL COMMITMENTS

PR-5

CIS PARTICIPANTS IN STCU PROJECTS

List all participants who will devote at least 10% work time (based on a 220-day work year) per year to the project and who will receive payment from the STCU.

1. Former Weapons Scientists, Engineers and Technicians

| Name | Data of Birth | Previous Area of Expertise (WMD code) | Area of Project Expertise | Scientific Rank | Work days |
|-----------------|---------------|---------------------------------------|---------------------------|-----------------|-----------|
| Buchatsky L.P. | 26.01.1944 | 1.3 | | professor | 220 |
| Kononko H.G. | 18.10.1949 | 1.3 | | PHD | 200 |
| Lebedinetz N.N. | 04.01.1944 | 1.3 | | PHD | 100 |

2. Other Scientists, Engineers and Technicians.

| Name | Data of Birth | Previous Area of Expertise | Area of Project Expertise | Scientific Rank | Work days |
|------------------|---------------|----------------------------|---------------------------|-----------------|-----------|
| Ostapchenko L.I. | 14.02.1954 | | | professor | 100 |
| Vagenina I.I. | 23.09.1951 | | | engineer | 100 |
| Akulenko T.V. | 13.09.1959 | | | engineer | 100 |
| Scherbyk V.V. | 16.04.1953 | | | engineer | 100 |