

Overview of BTRP Cooperative Biological Research (CBR) Project

Current as of January 19, 2007





Cooperative Biological Research

Project Goals

- Increase participation of former Soviet Union scientists in the international research community
- Support the missions of BTRP Biosafety and Security (BS&S)/Threat Agent Detection and Response (TADR) projects
- Train scientists in modern molecular diagnostics, biosafety, biosecurity, bioethics, and nonproliferation



Engagement Strategy

BTRP Research Agenda

- Identifies key BTRP research priorities
 - Surveillance and epidemiology
 - Diagnostics
 - Biology of the microbe
 - Host response
 - Vaccines
 - Therapeutics
- Will act as an “RFP” for cooperative research projects
- Translated into recipient state languages for distribution



Engagement Strategy (continued)

Country Science Plan

- A BTRP document that is the basis for scientific investment in the recipient state
 - Harmonizes BTRP Research Agenda with recipient state goals
 - Lays out existing research and projects
 - Includes short- and long-term recommendations for future BTRP-funded research
 - Based on especially dangerous pathogens (EDP) occurrence (historical and current), pathogen collections, and biological weapons (BW) legacy
 - With recipient state, sets out transition paths to EDP and non-EDP future research for institutes and scientists
 - Identifies basis for cooperation with other USG entities



CBR Project Development Process

Recipient state submits research proposal in accordance with the Research Agenda.*

The proposal is:

1. Developed cooperatively by a DTRA-assigned DoD collaborator (and a non-DoD collaborator, as needed) and recipient state collaborator
2. Reviewed by DTRA prior to submittal to the DoD advisory board
3. Reviewed concurrently (if approved by advisory board) by:
 1. USG roundtable
 2. National Academies of Science
 3. Human subject use and/or animal use reviews (as needed)
4. Following reviews, Milestone Decision Authority provides final funding approval.

Typical CBR projects lasts for three years and involves multiple FSU institutes.

* In some cases a cooperative proposal is developed between collaborators in the U.S. and recipient state.



Examples of Ongoing CBR Projects



BTRP Projects in Georgia

GG-1: Plague—“Ecology, Genetic Clustering and Virulence of *Yersinia pestis* Strains Isolated from Natural Foci of Plague in Georgia.”

GG-13: Vibrios and Bacteriophages—“Isolation, Distribution, and Biodiversity of Selected Vibrios and Their Bacteriophages from Aquatic Environments in Georgia.”



BTRP Projects in Uzbekistan

UZ-1: Plague, Anthrax, Tularemia—

“Assessment of Plague, Anthrax, and Tularemia in Selected Areas of Uzbekistan.”

UZ-2: Viral Diagnostics—“Viral Diagnostics in Uzbekistan.”

UZ-4: Brucellosis Surveillance—“Epidemiological Surveillance of Human and Animal Brucellosis in the Republic of Uzbekistan.”



BTRP Projects in Kazakhstan

KZ-1: Anthrax — “Ecological and Socio-economic Factors of Anthrax Foci Activity and Improvement of its Diagnosis and Prophylaxis in Kazakhstan.”

KZ-2: *Brucella* — “Ecology of *Brucella* Biotypes within Southern Kazakhstan.”

KZ-4: CCHF and HFRS — “Epidemiology of Crimean–Congo Hemorrhagic Fever with Renal Syndrome (HFRS) Viruses.”