

## REPRESENTATIONS AND CERTIFICATIONS

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| Proposal Title         | GG19: Epidemiology and Ecology of Tularemia in Georgia |
| Applicant              | National Center for Diseases Control and Public Health |
| Principal Investigator | Gvantsa Chanturia                                      |

As condition of the offer of award, CRDF Global<sup>1</sup> requires all prospective awardees to complete certain representations and certifications. This information must be provided in full and signed by an individual that has the authority to commit the applicant. CRDF Global cannot formally proceed with an award to the applicant without this information.

|    |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |
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| US | Non-US |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |
| X  |        | TIN/EIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |
| X  | X      | DUNS #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5657407190000              |
| X  | X      | <b>Type of Organization:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                            |
|    |        | Corporate Entity (not tax-exempt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | International Organization |
|    |        | Corporate Entity (tax-exempt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Partnership                |
|    |        | Foreign Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sole Proprietorship        |
|    |        | Government Entity (federal, state, local)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | X Other                    |
| X  |        | <b>Assurance of Compliance With Title VI of the Civil Rights Act</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |
| X  |        | <b>Clean Air and Water</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |
| X  | X      | <b>Certification Regarding Lobbying (22 CFR Cp. 1, Pt. 138.App.C)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |
| X  | X      | <b>Federal Funding Accountability and Transparency Act</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |
|    |        | <p>Public Law 109-282, Federal Funding Accountability and Transparency Act (FFATA), as amended by Section 6202 of the Government Funding Transparency Act of 2008 (Public Law 110-252), was enacted to reduce wasteful and unnecessary spending by the Federal Government. The objective of FFATA is to empower American tax payers with information that may be used to demand greater fiscal discipline from both Executive and Legislative branches of Government. Pursuant to FFATA, CRDF Global is required to report certain Federal subawards that are \$25,000 or more. The law requires all reported information be made public; therefore, this is to notify prospective awardees that certain CRDF Global Federal subawards of \$25,000 or more may be made public.</p> <p>Pursuant to FFATA, CRDF Global may be required to report its first tier subcontractors' names and total compensation of each of the five most highly compensated executives (means officers, managing partners, or any other employees in management positions). Total compensation means the cash and noncash dollar value earned by the executive during the preceding fiscal year and includes the following (for more information see 17 CFR 229.402(c)(2)): salary &amp; bonus; awards of stock, stock options &amp; stock appreciation rights; earnings for services under non-equity incentive plans; change in pension value; above market earnings on deferred compensation which is not tax qualified; and other compensation. Reporting of executive compensation is required only if during the preceding fiscal year, the offeror received: (1) 80 percent or more of its annual gross revenues in U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements; AND, (2) \$25,000,000 or more in annual gross revenues from U.S. federal contracts, subcontracts, loan, grants, subgrants, and/or cooperative agreements; AND, (3) the public does not have access to information about the compensation of the executives in offeror's business through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m (a) or section 6104 of the Internal Revenue Code of</p> |                            |

<sup>1</sup> CRDF and CRDF Global are registered trade names of the U.S. Civilian Research & Development Foundation and may be used interchangeably throughout this document.

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|   |   | 1986). Please visit <a href="http://www.sec.gov/edgar.shtml">www.sec.gov/edgar.shtml</a> for more info.<br>(1) The applicant represents that it is an individual and not a legal or business entity.<br><input type="checkbox"/> Yes, applicant is exempt from FFATA subaward reporting requirements as is exempt from responding to questions (2) through (5).<br><input checked="" type="checkbox"/> No, please answer question (2).                                                                                                                                                                                                                                                                                          |
|   |   | (2) The applicant represents that, in the previous tax year, its gross income from all sources exceeded \$300,000.<br><input type="checkbox"/> No, applicant is exempt from FFATA subaward reporting requirements and is exempt from responding to questions (3) through (5).<br><input checked="" type="checkbox"/> Yes, please answer question (3).                                                                                                                                                                                                                                                                                                                                                                           |
|   |   | (3) In applicant preceding fiscal year, did it receive 80 percent of more of its annual gross revenues in U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements?<br><input checked="" type="checkbox"/> No, applicant is exempt from FFATA Name and Executive Compensation Reporting and is exempt from responding to questions (4) through (5).<br><input type="checkbox"/> Yes, please answer questions (4).                                                                                                                                                                                                                                                                          |
|   |   | (4) In applicant preceding fiscal year, did it receive \$25,000,000 or more in annual gross revenues from U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements?<br><input type="checkbox"/> No, applicant is exempt from FFATA Name and Executive Compensation Reporting and is exempt from responding to question (5).<br><input type="checkbox"/> Yes, please answer question (5).                                                                                                                                                                                                                                                                                                   |
|   |   | (5) Does the public have access to information about the compensation of executives in the applicant through periodic reports filed under section 13(a) or 15(d) of the Security Exchange Act or section 6104 of the Internal Revenue Code?<br><input type="checkbox"/> Yes, applicant is exempt from FFATA Name and Executive Compensation Reporting.<br><input type="checkbox"/> No, applicant must provide the following information on the five most highly compensated executives in the applicant's organization: Executive Name, Total Compensation in USD.                                                                                                                                                              |
| X | X | <b>Certification Regarding Animal Care &amp; Use</b><br>The project identified in the above proposal and to be conducted under any resulting award<br><input checked="" type="checkbox"/> WILL involve vertebrate animals.<br><input type="checkbox"/> WILL NOT involve vertebrate animals.<br>If the project will involve vertebrate animals and approval from the applicant's Institutional Animal Care and Use Committee (IACUC) has been obtained, indicate approval date: N/A and attach a copy of the formal approval documentation.<br>In the absence of an IACUC approval, attached is a formal statement from the applicant confirming that the activities will be conducted in accordance with all applicable laws in |



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|   |   | the host country and that the International Guiding Principles for Biomedical Research Involving Animals (see <a href="http://www.cioms.ch/">http://www.cioms.ch/</a> ) will be followed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| X | X | <b>Certifications Relating to Research Involving Human Research Subjects</b><br>The project identified in the above proposal and to be conducted under any resulting award<br><input checked="" type="checkbox"/> WILL involve human subjects.<br><input type="checkbox"/> WILL NOT involve human subjects.<br>If the project will involve human subjects, the applicant certifies that:<br>(1) For projects supported with U.S. Government funding:<br>(a) It has obtained IRB or IEC approval of the research (or a determination that written approval is not required, e.g., exempt research) from an IRB/IEC registered with the US Office of Human Research Protections (OHRP);<br>(b) It has obtained the required approval(s) (or a determination that written approval is not required) from the applicable governmental office(s) for the research, including but not limited to the filing of the required applications related to investigational new drugs or investigational devices;<br>(c) It has a Federalwide Assurance (FWA) on file with OHRP, and it will comply with the FWA throughout the term of the award agreement, which represents a public commitment to comply with the human subjects protections standards of the Belmont Report and the Common Rule;<br>(d) It will conduct the research in accordance with the NSF regulation entitled, "Protection of Human Subjects" [45 CFR § 690 et seq.];<br>OR,<br>(2) For projects funded from sources other than the U.S. Government:<br>(a) The applicant (and Principal Investigator/Project Director) agree to comply with the Declaration of Helsinki, the Belmont Report, the International Conference on Harmonization (ICH) guidelines, or the Council for International Organizations of Medical Sciences (CIOMS) International Ethical Guidelines for Biomedical Research Involving Human Subjects unless more specific human subjects protections are required by an applicant's existing Federalwide Assurance.<br>The applicant (and Principal Investigator/Project Director) further certify:<br>(a) It has policies and procedures in place to address and report possible scientific misconduct in conformance with the laws and regulations of the applicable governmental office(s);<br>(b) It has a conflict of interest policy whereby the applicant, Principal Investigator/Project Director and Project Participant(s) are required to report potential conflicts of interest as specified in CRDF's Policy on Grantee Conflict of Interest and as otherwise may be required to enable these interests to be considered by the IRB/IEC in its review and approval of the research; and<br>(c) The applicant and Principal Investigator/Project Director each has furnished adequate training regarding human subjects protections to its employees, agents, subcontractors, and representatives.<br>(d) This certification is a material representation of facts upon which CRDF Global relies in extending an offer of award.<br>(e) Copies of relevant IRB approval letters, applicable research protocols and other appropriate documentation have been submitted to CRDF Global or will be submitted along with this Certification. |
| X | X | <b>Certification Regarding Research Involving Recombinant DNA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|  |  | <p>The project identified in the above proposal and to be conducted under any resulting award</p> <p> <input type="checkbox"/> WILL involve recombinant DNA molecules<br/> <input checked="" type="checkbox"/> WILL NOT involve recombinant DNA molecules         </p> <p>If the project will involve recombinant DNA molecules, the applicant must complete the questions below:</p> <p>CRDF Global is required to ensure that you are abiding by the U.S. National Institutes of Health (NIH) Guidelines regarding recombinant DNA in order to proceed with an award. <i>Please confirm that you are following the guidelines as they relate to the items listed below:</i></p> <p>(a) Each organization involved in the conduct of recombinant DNA research subject to the Guidelines that is funded by CRDF has a standing Institutional Biosafety Committee (IBC) as specified in section IV of the Guidelines.</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>(b) Recombinant DNA research subject to the Guidelines is registered with the IBC indicating compliance with the containment requirements as specified in Part II of the Guidelines. IBCs are/will keep records of recombinant DNA research conducted at their organization in a form that is available to CRDF or the U.S. National Science Foundation (NSF) upon request.</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>(c) We agree to abide by the following requirement. Research will not be initiated or registered with the IBC prior to the approval and determination of containment level by the Director of NIH in the following instances:</p> <ul style="list-style-type: none"> <li>i. research for which containment levels are not explicitly specified by the Guidelines;</li> <li>ii. research involving experiments prohibited by the Guidelines; i.e. requests for exceptions to the Guidelines; and</li> <li>iii. requests to perform experiments without regard to the containment specified in the Guidelines; i.e. exemptions from the Guidelines.</li> </ul> <p>YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>(d) We agree that all recombinant DNA research within the scope of the Guidelines that is performed outside the U.S. and funded from this award must comply with the U.S. or host country standards. If the research is to be carried out in a country that has adopted guidelines comparable to those of the U.S., a document with information and endorsements ensuring compliance to the applicant standards must be submitted to CRDF. No funds from this award may be used to carry out research using recombinant DNA in a country that has not adopted national guidelines unless the research is in full compliance with the NIH Guidelines and the procedures required for NSF-supported research within the U.S.</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/></p> |
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|  | <p><b>All grantees conducting research using recombinant DNA must report the following to NSF and their IBCs:</b></p> <ul style="list-style-type: none"> <li>(a) new technical information relating to risks and safety procedures;</li> <li>(b) serious laboratory accidents involving recombinant DNA material;</li> <li>(c) serious laboratory-related illness of a laboratory worker; and</li> <li>(d) safety problems</li> </ul> <p>Inquiries concerning NSF policy on recombinant DNA research and its implementation should be addressed to:</p> <p style="padding-left: 40px;">             Division of Molecular Cellular Biosciences<br/>             National Science Foundation<br/>             4201 Wilson Boulevard<br/>             Arlington, VA 22230           </p> |
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By signing and submitting this Representation and Certification Form, the applicant and its authorized representative certify that the statements made herein are true and complete to the best of its/his/her knowledge.

  
 \_\_\_\_\_  
 Authorized Institutional Signature & Seal

18.10.2013  
 Date

|                                                          |                                                      |
|----------------------------------------------------------|------------------------------------------------------|
| <b>Print Name and Title of Authorized Representative</b> | Amiran Gamkrelidze, MD, PhD, Prof., Director General |
| <b>E-Mail Address</b>                                    | a.gamkrelidze@ncdc.ge                                |
| <b>Applicant's Address</b>                               | 9. M. Asatiani str., 0177, Tbilisi, Georgia          |

## **CERTIFICATIONS IN FULL TEXT**

### **I. Data Universal Numbering System**

"D-U-N-S Number (D-U-N-S)", as used in this provision, means the Data Universal Numbering System or D-U-N-S® Number which is a unique nine-digit identification number that identifies business entities on a location-specific basis. The D-U-N-S is widely used by both commercial and Federal entities and was adopted as the standard business identifier for Federal electronic commerce in October 1994. D-U-N-S Number assignment is free for all businesses required to register with the US Federal government for contracts or grants. Refer to <http://fedgov.dnb.com/webformto> to create a D-U-N-S Number if one does not exist for your business location.

### **II. Assurance of Compliance With Title VI of the Civil Rights Act**

The applicant hereby agrees that it will comply with Title VI of the Civil Rights Act of 1964 (P.L. 88-352) and all requirements imposed by or pursuant to the Regulation of the National Science Foundation (45 CFR Part 611) issued pursuant to that title, to the end that, in accordance with Title VI of that Act and the Regulation, no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the applicant receives Federal financial assistance from the Foundation; and hereby gives assurance that it will immediately take any measures necessary to effectuate this agreement.

If any real property or structure thereon is provided or improved with the aid of Federal financial assistance extended to the applicant by the Foundation, this Assurance shall obligate the applicant, or in the case of any transfer of such property, any transferee, for the period during which the real property or structure is used for the purpose for which the Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits. If any personal property is provided, this Assurance shall obligate the Applicant for the period during which it retains ownership or possession of the property. In all other cases, this Assurance shall obligate the applicant for the period during which the Federal financial assistance is extended to it by the Foundation.

This assurance is given in consideration of and for the purpose of obtaining any and all Federal grants, cooperative agreements, loans, contracts, property, discounts or other Federal financial assistance extended after the date hereof to the applicant by the Foundation, including installment payments after such date on account of applications for Federal financial assistance which were approved before such a date. The applicant recognizes and agrees that such Federal financial assistance will be extended in reliance on the representations and agreements made in this Assurance, and that the United States shall have the right to seek judicial enforcement of this Assurance. This Assurance is binding on the applicant, its successors, transferees, and assignees.

### **III. Clean Air and Water**

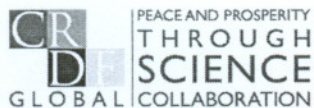
(This Article applies only to Awards over \$100,000, or a facility to be used has been the subject of a conviction under the Clean Air Act [42 U.S.C. 7413(c)(1)] or the Clean Water Act [42 U.S.C. 1319(c)] and is listed by the EPA, or the award is not otherwise exempt.)

The applicant agrees as follows:

To comply with all the requirements of Section 114 of the Clean Air Act [42 U.S.C. 7414] and Section 308 of the Clean Water Act [33 U.S.C. 1318], respectively, relating to inspection, monitoring, entry, reports and information, as well as other requirements specified in Section 114 and Section 308 of the Clean Air Act and the Clean Water Act, respectively, and all regulations and guidelines issued there under before the award of the grant.

That no portion of the work required under any resulting award will be performed in a facility listed on the Environmental Protection Agency List of Violating Facilities unless and until the EPA eliminates the name of such facility or facilities from such listing.





To use its best efforts to comply with clean air standards and clean water standards at the facility at which work under any resulting award will be performed.

**IV. Certification Regarding Lobbying (22 CFR Cp. 1, Pt. 138.App.C)**

The applicant certifies, to the best of its knowledge and belief, that:

- (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan or cooperative agreement.
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit the Standard Form "Disclosure Form to Report Lobbying" in accordance with its instructions.
- (c) The applicant shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into.