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CRDF Global and the Ural Branch of the Russian Academy of Sciences

***Request for Proposals: 2013 Joint Basic Research Competition
“New Materials, Sustainable Resource Management, Energy Efficiency, and Ecology”***

Proposal Deadline: Monday, August 1, 2013 (23:59) U.S. Eastern Daylight Time (EDT)

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I. COMPETITION SNAPSHOT

Competition Opens Submission Deadline	Monday, June 03, 2013 Monday, August 1, 2013 (23:59 US Eastern Daylight Time EDT).
How to Apply	1) To CRDF Global: https://proposals.crdfglobal.org/URBRAS2013 <i>All proposals must be submitted to through the website. Applications will not be accepted as e-mails or hard copies.</i> 2) To the Ural Branch, RAS: one electronic version of the proposal by e-mail, and one hard copy via regular mail.
General Research Area(s)	Biology; Chemistry; Physics; Earth/Geological Sciences; Engineering.
Basic Eligibility	Proposals must include one Russian Principal Investigator (PI) and one U.S. PI , each possessing the degree of Ph.D., M.D., or the equivalent research experience.
Award Amounts	Each up to \$48,000 USD
Complete Competition Announcement	<ul style="list-style-type: none">• http://www.crdfglobal.org/grants-and-grantees/current-funding-opportunities• http://www.uran.ru
Announcement of Competition Results	Thursday, October 31, 2013 via e-mail

II. BACKGROUND

CRDF Global and the **Ural Branch of the Russian Academy of** (hereinafter – UrB-RAS) are accepting proposals from joint U.S. and Russian teams for the 2013 CRDF Global-UrB-RAS Joint Basic Research Competition (see [Section VI.A](#) for submission instructions). This competition is co-sponsored by CRDF Global and UrB-RAS with funding provided by the U.S. Department of State, U.S. National Science Foundation (NSF), and UrB-RAS.

CRDF Global is an independent nonprofit organization that promotes international scientific and technical collaboration through grants, technical resources, training and services. More information about CRDF Global can be found at <http://www.crdfglobal.org>.

UrB RAS is a regional branch of the Russian Academy of Sciences (independent nonprofit scientific organization, created as a State Academy of sciences). UrB RAS includes 40 scientific organizations located in seven regions of the Russian Federation from European North to Southern Ural. The UrB RAS was founded in 1932 with the goal to accelerate the social and economic development of the Ural region of Russia. More information about UrB RAS can be found at <http://www.uran.ru>.

III. SCOPE

The primary goals of the competition are to:

- Support high-quality basic research in the Ural region of the Russian Federation in the disciplined specified in this announcement
- Establish sustainable joint U.S. - Russia research collaborations.

Russian and U.S. team members are encouraged to visit each other's laboratory/research sites.

To that end, CRDF Global and UrB RAS will **only** accept proposals in the following areas of basic research:

- New materials and technologies of their manufacturing.
- Scientific basis for development of energy saving technologies and distributed power generation, energy efficiency and saving

- Sustainable natural resource management and the development and use of raw materials
- Biodiversity and ecology of plants and animals.

Multidisciplinary proposals are particularly encouraged.

Grant awards, each up to \$48,000 USD, will be made to joint research teams of U.S. and Russian scientists. Grants will be made over one year with the possibility of up to a three-month no-cost extension as long as the grant ends no later than April 30, 2015.

Applicants are encouraged to contact a Program Manager at researchpartnerships@crdfglobal.org if they are unsure whether a specific topic is eligible for this competition

IV. ELIGIBILITY

All proposals must meet each of the following eligibility criteria:

1. Each proposal submitted must have **one Russian Principal Investigator (PI)** and **one U.S. PI**, who share overall responsibility for the project in their respective countries, coordinating all project participants and institutions.
2. Each PI must:
 - 1) Possess the degree of Ph.D., M.D., or the equivalent research experience;
 - 2) Have at least five scientific publications in peer-reviewed scientific literature (if the applicant has received his or her academic degree in the past six years, three publications are required), and
 - 3) Work full-time in a civilian research environment.¹
3. The Russian PI and participants of the Russian team must be citizens and permanent residents of the Russian Federation. All Russian participants must reside in the Russian Federation for the majority of the grant period.
4. The U.S. PI and participants on the U.S. team must be legally employed by a U.S. institution and must reside in the U.S. during the course of the CRDF Global project. Graduate students on the U.S. team may be foreign nationals, but they must be enrolled full-time in an accredited degree program at the U.S. institution.
5. All projects must be oriented toward non-military objectives and must be carried out in a civilian research environment.
6. Each proposal is evaluated independently and therefore should not be part of, nor depend on the success of, other proposals submitted to this program.
7. Individuals may be included in no more than two (2) proposals submitted to this competition, serving only once as PI (i.e. once as a Principal Investigator, once as a participant OR twice as participant)
8. PIs, who have a previous or current CRDF Global award that is within six months of completion as of the submission deadline, are eligible to apply to this program. Applicants who are previous or current CRDF Global grantees must be up to date on the submission of all progress reports, including final project reports. Please refer to [Section IX.B](#).

CRDF Global reserves the right to restrict the participation of any individual or institution in its programs. CRDF Global complies with all U.S. laws and regulations pertaining to export control and the participation of foreign nationals or institutions in its activities. It is the policy of CRDF Global not to conduct any transactions with U.S. restricted entities without appropriate authorization from the U.S. Government.

CRDF Global strongly encourages applicants to contact a Program Manager at researchpartnerships@crdfglobal.org if they are unclear about any eligibility criteria.

V. REVIEW OF PROPOSALS

¹U.S. Government Laboratory employees working on civilian-oriented research and development projects are eligible to apply to this program.

A. Review Process

All proposals and information contained therein will remain confidential prior to the award and will be screened for eligibility and completeness upon receipt by CRDF Global. Scientific merit review will take place through a scientific panel of experts in the field appointed by CRDF Global. The panel will use the evaluation criteria described in [Section V.B](#) in reaching its decisions. The panel will rank proposals by the evaluation criteria and assign an overall rating to each proposal, as well as a funding recommendation. These recommendations will be assessed by CRDF Global for final endorsement. CRDF Global will announce awards by **Thursday, October 31, 2013 via e-mail**. All awards are subject to the availability of funding from U.S. Government agencies sponsoring this competition. All decisions by CRDF Global are final.

Applicants may provide a list of suggested reviewers they believe to be well qualified to review the proposal. Persons not preferred to review the proposal may also be identified with justification of why. These suggestions are optional, and the decision on whether or not to use the suggestions remains with CRDF Global. No suggested reviewers that have a conflict of interest with the proposal will be considered. Identities of reviewers will not be disclosed to applicants, nor will the decision to use these suggestions. Please refer to [Section VI.C.13](#) for instructions on including reviewer suggestions with the proposal.

B. Evaluation Criteria

1. Primary Criteria. CRDF Global reviewers utilize the following primary criteria in the evaluation of proposals for this program.

- 1. Technical Merit.** Whether the project proposes innovative methods and how well the individual elements of the research plan fit with the overall project goals.
- 2. Research Plan.** The technical soundness of the proposed work, practicality of the project's management plan, and adequacy of the resources available, both technical and financial.
- 3. Research Impact.** The probability that the project will result in new knowledge or have impact on one or more research fields, and the potential that the project processes or results will serve as the basis for new or improved technology.
- 4. Personnel Capacity.** The expertise of the investigators and other participants, including the strengths and weaknesses of each partner, as well as the balance of the collaboration and distribution of partnership benefits.
- 5. Benefit to Education and Infrastructure:** Appraisal of the project's provision of opportunities for personnel (participation of young scientists, university researchers, and female scientists), the sharing of equipment and resources among all institutions involved, and the project's long-term positive impact on social, economic, or environmental issues in the countries involved.

2. Secondary Criteria. The primary factor that will determine a proposal's fundability is scientific merit followed by the other criteria laid out in [Section V.A](#) above. However, in cases where two or more proposals are deemed to be of equal scientific merit, special consideration will be given to

1. Projects that incorporate one or more Early-Career Scientists², students, or female researchers in either or both teams.
2. Projects that include travel by members of both teams.
3. Principal Investigators who have not previously received funding from CRDF Global.

VI. APPLICATION INSTRUCTIONS

Applicants are highly recommended to review our *Frequently Asked Questions and Grant Writing Tips* **before** writing their application at <http://www.crdfglobal.org/program-areas/research-partnerships/applicant-resources>. These resources include sample forms and examples on how to avoid common mistakes in proposal preparation.

² An "Early Career Scientist" is defined as a scientist/researcher who has completed his/her Ph.D. (or equivalent) within the last five (5) years from the competition deadline.

A. **Proposal Submission Instructions**

All proposals must be submitted to:

- 1) CRDF Global electronically through the Electronic Proposal Submission (EPS) site (See [Section VI.A.1](#)); and
- 2) UrB RAS electronically by e-mail and hardcopy by mail (See [Section VI.A.2](#)) by **Monday, August 1, 2013**.

Proposals submitted after the Submission Deadlines for either organization will not be accepted for review. The deadline date will be waived only in extenuating circumstances. Should such a circumstances arise preventing the proposal from being submitted by the Submission Deadline, contact the Program Manager at researchpartnerships@crdfglobal.org or 703.526.9700 **prior to the deadline** for guidance. All decisions regarding an extension of the deadline will be made at CRDF Global's discretion and may not be appealed.

1. **CRDF Global Proposal Submission Instructions**

All proposals must be submitted in English electronically through CRDF Global's Electronic Proposal Submission (EPS) site, no later than **Monday, August 1, 2013**:

<https://proposals.crdglobal.org/URBRAS2013>

Note: Submission through this website **does not** require previous registration.

Proposals should be submitted only one time and by only one PI on the project. The Russian and U.S. PIs should jointly develop the proposal and obtain the concurrence of the Russian Institute Director and U.S. Institutional Representative. Once the proposal has been finalized, they should select one PI to submit the proposal electronically through the CRDF Global website.

At the conclusion of the electronic submission process, both the Russian and U.S. PIs will receive a confirmation message from CRDF Global. A copy of this message will also be sent to the Russian Institute Director and the U.S. Institution Representative identified in the proposal. Further instructions on electronic proposal submission are available at the above website.

2. **UrB RAS Submission Requirements**

In addition to submitting an electronic version of the proposal in English to the CRDF Global website, applicants must submit **in Russian**:

1. **One electronic version** of the proposal to the UrB RAS by e-mail at fd@prm.uran.ru; and
2. **One hard copy** of the proposal to the Department of Foreign Relations (DFR) via regular mail at:
Department of Foreign Relations (DFR)
91 Pervomaiskaya Street, room 511
Ekaterinburg, Russia 620990

Proposal copies may also be delivered directly to the DFR, postmarked by the online submission deadline. Proposal envelope should be labeled with the title of the competition division, the full name of the PI and the proposal title.

Applicants will receive notification from DFR. If the notification is not received, the applicant should contact the UrB Competition commission at mushnikov@prm.uran.ru and fd@prm.uran.ru.

**The EPS website activation date
will be announced on CRDF Global's and UrB-RAS' websites.**

Proposals should be submitted only one time and by only one PI on the project. The Russian and U.S. PIs should jointly develop the proposal and obtain the concurrence of the Russian Institute Director and U.S. Institutional Representative. Once the proposal has been finalized, they should select one PI to submit the proposal electronically through the CRDF Global website.

At the conclusion of the electronic submission process, both the Russian and U.S. PIs will receive a confirmation message from CRDF Global. A copy of this message will also be sent to the Russian

Institute Director and the U.S. Institution Representative identified in the proposal. Further instructions on electronic proposal submission are available at the above website.

B. Proposal Formatting

Only proposals which follow the below formatting and include all of the required elements listed below in [Section C](#) will be reviewed.

- | | |
|---|---|
| <input type="checkbox"/> Typed | <input type="checkbox"/> In English |
| <input type="checkbox"/> Single-spaced | <input type="checkbox"/> One-inch margins on ALL sides |
| <input type="checkbox"/> Pages numbered consecutively in the upper right corner | <input type="checkbox"/> Font size of no less than Arial 10pt (Times New Roman 10pt font is not acceptable)* |

**A font size of less than 10 points may be used for mathematical formulas or equations, figure, table or diagram captions and when using a Symbol font to insert Greek letters or special characters. PIs are cautioned, however, that the text must still be readable.*

C. Required Elements

Applicants are required to use the electronic templates for [Forms A-F](#) (located at the end of this announcement and downloadable as a Word Document here: <http://www.crdfglobal.org/grants-and-grantees/current-funding-opportunities>).

CRDF Global expects strict adherence to the rules of proper scholarship and attribution. The responsibility for proper scholarship and attribution rests with the authors of a proposal; all parts of the proposal should be prepared with equal care for this concern. **All contributing authors, including any PIs and team participants, should be named and acknowledged at the bottom of the Project Narrative section.**

EXAMPLE:

Contributing Authors: NAME (Russian PI), NAME (U.S. team-Researcher)

Patentable ideas, trade secrets, privileged or confidential commercial or financial information, disclosure of which may harm the proposer, should be included in the proposals only when such information is necessary to convey an understanding of the proposed project. Such information must be clearly marked in the proposal and appropriately labeled as:

"The following is (proprietary or confidential) information that (name of proposing organization) requests not be released to persons outside of CRDF Global, except for purposes of review and evaluation."

All information necessary for the review of a proposal must be contained in the Required Elements (listed below) of the proposal. Appendices may not be included unless a deviation has been authorized.

- 1. Cover Sheet (Form A).** The cover sheet includes basic information about the proposal, Russian PI, Russian Institution Director, the U.S. PI, and the U.S. Institutional Representative. The U.S. Institutional Representative is the individual who would be responsible for negotiating contractual and financial terms in the case of an award. This information must also be entered during the electronic proposal submission process.

Note: CRDF Global requires that Form A be signed by **both** the Russian PI and Russian Institute Director.

- 2. Project Abstract.** In one concise paragraph, summarize all relevant aspects of the project, with special attention to its objectives, methods, and potential results.
- 3. Project Narrative.** Nine page maximum, including any graphs, diagrams, and photos. PIs are cautioned that the Project Narrative must be self-contained, and that URLs providing information related to the proposal should not be used. **All contributing authors should be listed at the end of the Project Narrative.**

The following should be described in the Project Narrative:

- The approach, objectives, milestones, and measurements of success that will be used;
 - A clearly defined project timeline, noting all project tasks and goals to be accomplished on a quarterly basis;
 - How the individual and combined competencies of the Russian and U.S. research teams will enable the project to be carried out, and what relevant prior work has been carried out by members of the team. Prior CRDF Global awards must also be described.
 - The anticipated results of the project and how they address the CRDF Global evaluation criteria listed in [Section VI](#);
 - How the project compares to current research conducted in the topic area;
 - Facilities, equipment, and other resources available at the U.S. and Russian institutes directly applicable to the project including those from secondary collaborators. This should address the adequacy of the resources available to perform the effort proposed. The description should be written narratively and not include any financial information;
 - Requested equipment to be utilized in the project, with special focus on justifying any equipment requested from CRDF Global; and
 - How the Russian and U.S. PIs will coordinate project implementation and assess progress at regular intervals. Each project must involve significant and substantive cooperation between the Russian and U.S. teams. All proposed international travel to be funded under the project must be described in terms of its purpose and duration.
4. **References Cited.** Reference information for the Project Narrative is required. Each reference must include the names of all authors (in the same sequence in which they appear in the publication), the article and journal title, book title, volume number, page numbers, and year of publication. Identify the website address if the document is available electronically. While there is no page limitation for the References Cited, this section must only include bibliographic citations and not be used to provide parenthetical information outside of the Project Narrative.
5. **Student/Postdoctoral Researcher Mentoring Plan – if applicable.** Each proposal requesting funds to support **students and/or postdoctoral researchers** must include a description of the mentoring activities provided for such individuals. In no more than one page, describe the mentoring plan for all students and postdoctoral researchers from the Russian and U.S. teams including any from Secondary Collaborations. The Mentoring Plan may not be used to circumvent the Project Narrative page limitation.
6. **Russian and U.S. PI Curricula Vitae.** The proposal must contain a Curriculum Vitae (CV) for each PI. It should include the individual's name, title, educational background, current and previous institutional affiliations with dates, area of expertise, and his or her scientific publications of relevance to the project. Each PI must list at least five publications of relevance (if the PI has received his or her Ph.D. in the past six years, three publications are required).
7. **Russian and U.S. Personnel Data (Form B).** A Form B must be completed for each additional participant on the Russian and U.S. team, including researchers/engineers, technical/scientific support staff, graduate and undergraduate students, administrative/clerical support staff (Russian team only), and secondary collaborators.

Note:

- Form B should not exceed **half a page per team participant**; two forms should be combined on a single page.
- **U.S. personnel are not required to offer information regarding their dates of birth.**

- Form B is for additional team personnel only; the Russian and U.S. PIs do not need to complete Form B with their own information.
 - For planned graduate students not yet identified, complete a Form B as “Planned Graduate Student” indicating, at a minimum, the anticipated institution and level of education.
- 8. Russian & U.S. Personnel Curricula Vitae (CV).** In addition to Form B, a detailed CV must be provided for each team participant. It should include the individual’s name, title, educational background, current and previous institutional affiliations with dates, area of expertise, and a list of his or her scientific publications. All Russian and U.S. **Personnel CVs should be compiled into one document to be submitted separately from the proposal document.**
 - 9. Project Budget (Form C).** A complete budget must be submitted using the Form C template. Applicants should submit one budget for the entire award period. Applicants should refer to “Allowed Costs” in [Section VII](#) for information to be listed in the budget.
 - 10. Budget Narrative.** A narrative explaining all budget items in detail must be included in the proposal following the Budget (Form C). Applicants should specifically: 1) Itemize all equipment, supplies and services with per unit costs; 2) Justify in detail, requested equipment items with a value over \$1,000; 3) Describe all travel costs, including which team participants are traveling and the purpose for travel; 4) Calculate and list per diem rates, lodging costs, estimated airfare and other travel expense.
 - 11. Statement of Other Support (Form D).** Both PIs must complete Form D, listing current and pending sources of support for all their research projects, **excluding** those that are already included under the “COST-SHARING FROM NON-CRDF SOURCES” section in the Budget (Form C). Applicants with grants from U.S. Government sources, such as NIH or NSF, should indicate the grant number, duration of the award, and level of effort. If this proposal has also been submitted to another organization, please indicate this information clearly on the form. **Should a PI have no other sources of support, check the box marked “None” at the top of Form D, and include this page with the proposal.**
 - 12. Previous CRDF Global Awards (Form E) – if applicable.** Both PIs must complete Form E for **each** previously held CRDF Global award, if it is **directly** related to the research objectives outlined in the current proposal. Individual forms should not exceed one page
 - 13. List of Suggested Reviewers or Reviewers Not to Include (Form F) - optional.** If applicants would like to suggest experts they believe to be well qualified to review their proposal or designate persons not preferred to review, these suggestions should be indicated on Form F. Please note, only U.S. experts are permitted to review proposals. No more than 10 suggestions are permitted for each list. These suggestions are optional, and the decision on whether or not to use the suggestions remains with CRDF Global. No suggested reviewers that possess a conflict of interest with the proposal will be considered. Identities of reviewers will not be disclosed nor will the decision to use these suggestions.
 - 14. U.S. Principal Investigator Partnership Statement.** The U.S. PI must provide a signed statement on organizational letterhead certifying his or her agreement to the collaboration. A scanned copy of this agreement must be included in the proposal when it is submitted to CRDF Global. An example of a Partnership Statement can be found in [Appendix 3](#). Applicants will also be requested to upload it as a separate document during the electronic proposal submission process.
 - 15. U.S. Milestone Plan.** The U.S. team must complete a Milestone Plan, describing specific milestones to be accomplished by U.S. researchers during project implementation. Please see [Section VII](#) for instructions on filling out the Milestone Plan and a sample form in [Appendix 4](#).

VII. ALLOWABLE COSTS

The total maximum grant amount is **\$48,000** U.S. Dollars (USD): **\$31,000 USD** from CRDF Global and the equivalent of **\$17,000 USD** in Russian currency from UrB RAS. Up to \$33,000 USD of the funds awarded to each project may be used for the Russian team’s expenses, including institutional support. No more than \$15,000 USD may be used for the U.S. team’s expenses. These funds will be allocated separately and administered directly to the individuals and institutions involved.

Note on Funding allocation: Funds received from UrB RAS must be used for the Russian team members' individual financial support only.

All funding requested from UrB RAS must be used for the Russian team expenses.

Allowed Allocations of Funding Requests	
Russian Team Maximum Total: \$33,000 USD	U.S. Team Maximum Total: \$15,000 USD
CRDF Global: Up to \$16,000 USD UrB RAS: Up to \$17,000 USD	CRDF Global: Up to \$15,000 USD

Note on Cost-Sharing and In-Kind Contributions: U.S. and Russian for-profit companies are allowed to participate in this competition, but must provide a cost-share for the projects. Refer to Appendix 2 for further information on cost-share guidelines.

- U.S. for-profit companies **may not** request any funding from CRDF Global, and must provide a cash, material, or in-kind contribution equal to 10% of the total Russian team's expenses.
- Russian for-profit companies **may request** the full amount of funding (UrB RAS and CRDF Global contributions), but must additionally provide a cash, material or in-kind contribution equal to 5-10% of the total Russian team's expenses.

The following costs are permitted under CRDF Global guidelines for this program:

A. Russian Team Expenses

Support for the Russian team's expenses must not exceed \$33,000 USD. No Russian taxes may be included in any budget proposal submitted to CRDF Global.

- 1) Funds received from UrB RAS (the equivalent of up to \$17,000 USD in Russian currency) may only support teams from the UrB RAS institutions and 2) only be used for the Russian team members' Individual Financial Support (IFS).
- 2) Russian for-profit companies may request the full amount of funding (UrB RAS and CRDF Global contributions), but must additionally provide a cash, material or in-kind contribution equal to 5-10% of the total Russian team's expenses. CRDF Global will accept in-kind contributions such as equipment usage costs, personnel salary compensation, travel support, institutional or overhead support, and other allowable expenses. Refer to Appendix 2 for additional information on cost-sharing requirements for for-profit companies.
- 3) For awarded teams, CRDF Global and UrB RAS will distribute support separately to the Russian team. CRDF Global will provide funds to the Russian team on a reimbursement basis. Allowable expenses include:
 - a) **Individual Financial Support (IFS).** IFS is defined as payments made to individual team participants for work performed on the project (i.e., labor costs). CRDF Global calculates IFS based on the level of effort and the professional level of each participant. A month for full-time personnel is considered 20 days, with each day made up of 8 hours of work. The IFS requested in the budget should be an estimate of the direct level of effort each individual will devote to the project. Actual IFS requests for payment will be based on level of effort recorded during a reporting period but **may not exceed the monthly maximum for the positions listed below** or total budgeted IFS for the award.

The level of effort projected for the PI/Project Director and Researchers/Engineers may not exceed 75 percent of full-time over the course of an award. Therefore, for a one (1)-year award, the budget may not include more than 180 days or 1,440 hours of IFS projected for these positions.

The range of allowable IFS hourly rates for a number of professional levels is shown below. Please consider these rates, as well as geographical, cost-of-living, and other factors, when calculating IFS for project participant.

Position	Range of Minimum and Maximum IFS Hourly Rates (in USD)	Maximum Amount Per Person Per Month (in USD)
Principal Investigator/ Project Director/Senior Researcher	\$5.00 to \$7.50	\$1,200
Researcher/Engineer	\$4.54 to \$6.82	\$1,091
Graduate Student*	\$2.84 to \$4.26	\$682
Technical/Scientific Support Staff	\$1.75 to \$2.50	\$400
Administrative/Clerical Support Staff	\$1.75 to \$2.00	\$320

* Graduate student stipends may include fringe benefits or tuition remission. For planned graduate students not yet identified, clearly indicate their participation and request for support in the Budget Narrative. Applicants should indicate such graduate students on Form Band Form C as "Planned Graduate Student."

- b) Equipment, Supplies and Services (ESS).** This includes support for research equipment, including computers and telecommunications devices and/or services, subscriptions to scientific journals, reagents, and other supplies/materials to be used in the research. In general, materials and supplies are defined as tangible personal property, other than equipment, costing less than \$1,000 USD, or other lower threshold consistent with the policy established by the proposing organization. Any item of requested equipment valued at more than \$1,000 USD must be specifically described and justified in the Budget Narrative. Per unit cost estimates must be included in the Budget Narrative for all proposed line items indicated on the Budget (Form C).

Funds may also be requested for the costs of documenting, preparing, publishing or otherwise making available to others the findings and products of the work conducted under the grant.

If the proposal is to include services of professional consultants or service providers such as legal counsel, patent consultants, or other services, these services must be detailed in the Budget Narrative with a justification as to their necessity for successful execution of the project.

- c) Travel.** Transportation and per diem support for travel of Russian personnel in connection with the project should be requested and described in the Budget Narrative. Travel funds may also be used for domestic travel within Russia. Limited support is also available for travel to international scientific meetings and conferences. The following cost guidelines should be used in preparing the travel portion of the budget:

- i) **International Transportation.** CRDF Global supported travelers must purchase the lowest-cost applicable round-trip airfare from Russia. Travelers must comply with the provisions of the Fly America Act. For more information, please see: <http://www.crdfglobal.org/program-areas/research-partnerships/applicant-resources>.

- ii) **Travel Allowances.** Applicants should refer to the following travel allowance guidelines when preparing their travel budget:

(1) For travel to the United States, visit: <http://www.gsa.gov/portal/category/21287>.

(2) For other international travel, refer to http://aoprals.state.gov/content.asp?content_id=184&menu_id=78. These allowances cover lodging, meals, and incidental expenses. Health insurance is mandatory for all travel under CRDF Global awards and should be included in the budget in addition to the travel allowance. Visa fees are allowable expenses and may be included in the budget. The maximum time abroad for any one

CRDF Global supported traveler is four months over the course of an award. No single visit may exceed four months. It is also important to provide a justification and a description of the travel plans within the Budget Narrative.

- d) **Secondary Collaborators.** Secondary collaborators are institutions **other** than the Russian or U.S. Principal Institutions that will participate in the proposed project and receive support under a CRDF Global award. Secondary collaborators may participate in the form of sub-contracted work and may include any allowable costs described in this section. All secondary collaborator personnel and facilities must be specifically listed and described in the proposal. A separate budget justification for each secondary collaborator must be included in the Budget Narrative. Secondary collaborators must follow the residency eligibility requirements of their respective teams (see [Section IV](#)).
- e) **Institutional Support.** Russian grantees must include in their budgets an allowance for institutional costs of 10% of the total Russian team direct expenses. This amount, combined with the Russian team's expenses, cannot exceed the funding total the Russian team is allowed to request.

E.g.: Direct costs + Institutional Support = Total Maximum Requested.

- f) **Administrative Superiors.** An "Administrative Superior" is defined as an individual who has direct administrative authority over the Project Director/PI, and who works within the same division, laboratory, or unit as the Project Director/PI. CRDF Global discourages the inclusion of an administrative superior in a proposal in any role for which IFS is requested. For authorization to include an administrative superior in a project, please see CRDF Global's guidelines at <http://www.crdfglobal.org/focus-areas/research-partnerships/applicant-resources>

B. U.S. Team Expenses

Total grant support for the U.S. team's expenses must not exceed \$15,000 USD.

- 1) CRDF Global will support expenses for U.S. teams from universities, non-profits, and U.S. government institutions with the exception of large-scale equipment purchases.
- 2) U.S. teams from for-profit companies may not request any U.S. team expenses from CRDF Global. As described in Appendix 2, such companies are required to cover all U.S. team expenses and contribute 10% towards the Russian team's expenses by committing cash, materials, or in-kind contributions. These expenses and their amounts should be described in the Budget (Form C) and in the Budget Narrative. Refer to [Appendix 2](#) for additional information on cost-sharing requirements for for-profit companies.
- 3) CRDF Global will distribute support to the U.S. team as a fixed obligation grant (FOG). U.S. teams should refer to the instructions below for submitting all documentation necessary to execute fixed obligation grants:
 - a) **Milestone Plan.** In addition to the project narrative, U.S. PIs are required to submit a Milestone Plan (See [Appendix 4](#) for a sample template). The U.S. PI Milestone Plan should identify and describe specific milestones to be accomplished by the U.S. team during project implementation. CRDF Global staff and external peer reviewers will evaluate the plan to ensure that milestones are directly relevant to the overall research project; can be delivered in accordance with the timeline; and can be supported by appropriate documentation. Please note the following when preparing your Milestone Plan:
 - i) Milestones are discrete activities that allow the grantee to achieve the overall objectives described in the project narrative. Milestones should reflect realistic accomplishments that can be verified by CRDF Global staff. Examples of such milestones include, but are not limited to: sample collection, data analysis, trainings, or travel for a specific task under the proposed project.
 - ii) Milestones must be verifiable through submission of documentation or other deliverables (e.g. photos, purchase orders, training materials, reports, or other tangible proof that the activities occurred).
 - iii) Each milestone should be clearly described and include a corresponding deliverable.

iv) The amount of funding requested (on a semi-annual basis) should be included in the Milestone Plan.

b) Budget. U.S. teams must also submit a line-item project budget (separate from the Russian team budget). If selected for an award, CRDF Global staff may request additional information or supporting documentation before finalizing an award agreement. U.S. project budgets should be calculated in accordance with the following guidelines:

i) Funding may be requested for the following expenses:

- (1) Individual Financial Support (IFS)
- (2) Equipment, Supplies and Services
- (3) Travel
- (4) Indirect/Administrative Costs³

ii) Budget items should be listed individually – items listed generally as “supplies” or “services” will NOT be accepted.

iii) Each line item should be calculated based on actual costs – you should include receipts, quotes, or website links to support calculations for equipment, supplies, and services.

iv) Justification/support for labor, travel, and indirect/administrative costs should be provided in the budget narrative.

VIII. CRDF GLOBAL EXPECTATIONS OF GRANTEES

Upon announcement of award selection, finalists may **not** begin any project activities or incur any project expenses associated with the CRDF Global portion of the award until the grant contract has been executed by CRDF Global. This process can take a minimum of three months from the time of award announcement and should be taken into consideration when preparing the proposal timeline.

Grantees from this competition will be expected to:

- Publish research results directly related to the awarded project in a minimum of one (1) international peer-reviewed publication before the submission of the project’s final report.
- Maintain and submit to CRDF Global timesheets for researchers receiving IFS on the project
- Submit one (1) semi-annual progress report and a final project report.

Additionally, CRDF Global encourages grantees to participate and present their research at international research forums when possible. It is permissible to budget for these activities in your application.

IX. SPECIAL PROPOSAL REQUIREMENTS

Additional proposal documentation and special certifications may be required for proposals that contain any of the following elements:

A. Cost-sharing and Participation of For-Profit Companies

CRDF Global requires cost-sharing from for-profit companies applying to the program. For-profit companies must provide specific details about their cost-share through a letter of commitment written on organizational letterhead and signed by an authorized representative of the company. This should be uploaded during the electronic submission of the proposal. Please see [Appendix 2](#) for additional information.

B. Requests for Renewed Funding

1. CRDF Global accepts new proposals that are submitted as a continuation of previous and current awards provided that the awardees are up-to-date on semi-annual status and final

³ **Note:** CRDF Global encourages researchers to give funding allocation preference to direct costs and to limit their administrative/indirect costs to 10-20% of the grant.

reports, as well as all other award obligations. All status reports from previous or existing awards will be available to expert reviewers.

2. Investigators on current awards are only eligible to submit a new proposal if their projects are within six months of completion as of the relevant submission deadline. PIs and key team members may apply to CRDF Global for more than one project; however, PIs are not eligible to receive funding more than twice (once as a PI, once as a participant).
3. Proposals that are continuations of previous awards must be submitted using the standard CRDF Global submission template forms as directed in this announcement. Applications should include a summary of achievements from the previous or existing awards in the project narrative. This information related to this grant should also be provided in Form E of your proposal.

C. Proposals Involving Human and/or Animal Subject Research

1. **Human Subjects.** Projects involving research with human subjects must ensure that subjects are protected from research risks in conformance with the U.S. federal policy known as the Common Rule (*Federal Policy for the Protection of Human Subjects*, 45 CFR 690). As defined by the *Common Rule*, a human subject is defined as a living individual about whom an investigator (whether professional or student) conducting research obtains data through intervention or interaction with the individual or identifiable private information. No clinical trials involving interventions will be accepted for this competition.

Each proposal involving research on human subjects must include a **CRDF Global Summary Protocol Form** and that should be uploaded separately from the proposal during electronic submission. The Form is available for download at: <http://www.crdfglobal.org/grants-and-grantees/forms-templates/lists/pre-award-forms/protocol-summary-form-human-subjects-%28february-2005%29>.

Prior to initiation of a CRDF Global award, all projects involving human subjects must either:

- 1) Have approval from each team organization's Institutional Review Board (IRB) and obtain a Federal Wide Assurance (FWA) number from the U.S. Office of Human Research Protections (OHRP); **or**
- 2) Must affirm the IRB or an appropriate knowledgeable authority previously designated by the organization (not the PI) has declared the research exempt from IRB review in accordance with the terms established in section 101(b) of the Common Rule.

For more information on IRBs and Assurances as required under the U.S. Government's Department of Human and Health Services (HHS), please visit <http://www.hhs.gov/ohrp/assurances/index.html>.

Note:

- If the project involves human subjects and will be performed by the non-U.S. team, evidence of IRB approval is required from the non-US principal organization. Non-U.S. teams are required to register the organization and respective IRB and obtain a FWA number from OHRP.
- Supporting documentation listed within the Summary Protocol Form and approvals, such as IRBs (or equivalent approvals) and Assurances, are **not required at the time of proposal submission**, but must be obtained before CRDF Global award initiation. If no IRB approval or waiver is provided, CRDF Global may decline to support the project.

For more information on the CRDF Global Policy for projects involving human subjects, please see the General Terms and Conditions of CRDF Global Funding of Research Involving Human Subjects at <http://www.crdfglobal.org/grants-and-grantees/terms-conditions/lists/grant-terms-conditions/117.0-human-research-subjects-%28august-2005%29>

2. **Animals Subjects or Animal Biomaterials.** All proposals involving animal research must demonstrate that they are adhering to the "International Guiding Principles for Biomedical Research Involving Animals": http://cioms.ch/publications/guidelines/1985_texts_of_guidelines.htm. This includes providing details specific to the proposed animal usage: type of animal(s), necessity and role in proposed

research, and other relevant details (how obtained, housed, post-study, etc). We reserve the right to require greater detail if necessary to proceed with award selection.

X. ADDITIONAL INFORMATION AND SUPPORT

A. CRDF Global Policies

1. Intellectual Property. CRDF Global makes no claim to intellectual property rights under any award. CRDF Global's primary interest is that intellectual property rights be equitably allocated. Both the Russian and U.S. parties should be familiar with, and abide by the laws regarding intellectual property in their respective countries, including regulations regarding grants for research projects.

2. Conflict of Interest. CRDF Global requires that all Project Directors/PIs and Principal Institutions adhere to the highest ethical standards in all matters related to CRDF Global awards. CRDF Global Conflict of Interest Guidelines are further outlined at <http://www.crdfglobal.org/program-areas/research-partnerships/applicant-resources>.

3. Confidentiality. CRDF Global and UrB RAS assure confidentiality of all proposals' material and will require all panelists and reviewers to respect the confidentiality of proposals. However, proposal authors should be aware that successful proposals will be treated as public information. Therefore, at the author's discretion, if there is specific information in the proposal that is business-confidential and not intended for public dissemination, it should be clearly labeled as such. See [Section VI.C](#) for details on identifying this information within the proposal. Such passages will be withheld from public distribution if the proposal is successful.

CRDF Global will also share copies of proposals with its counterpart agency in Russia, upon request. CRDF Global requires counterpart agencies to follow the same policies above regarding the confidentiality of all proposals.

4. Award Administration Terms and Conditions. Applicants may refer to the CRDF Global website for guidance on CRDF Global policies and procedures relating to the financial and contractual management of CRDF Global grants, including conflict of interest guidelines. An online library of resources and reference documents may be viewed at the following location: <http://www.crdfglobal.org/grants-and-grantees/terms-conditions>.

B. Program Support Information

For questions about the electronic proposal submission process, or for further information about this program, please contact the CRDF Global office below. **Inquiries by e-mail are strongly encouraged and will result in prompt response.**

CRDF Global:

United States

Steven Bergen
Senior Project Manager
1776 Wilson Blvd., Suite 300
Arlington, VA 22209
Phone: 703-526-9720 | Fax: 703-526-9721
sbergen@crdfglobal.org

Russia

Marina Yundina
Program Manager
Ul. Miklukho-Maklaya 16/10,
Building 32, room 212, Institute
of Bioorganic Chemistry, RAS,
Moscow 117997
Phone: +7 (495) 662-3715, ext. 135
Fax: +7 (495) 662-3716
yundina@crdf.ru

The Ural Branch of the Russian Academy of Sciences:

Russia

Victoria Zakharova
Department of Foreign Relations,
91 Pervomaiskaya Street, room
511, Ekaterinburg, Russia, 620990
Phone: +7 (343) 362-3323
Fax: +7 (343) 374-0026
E-mail: fd@prm.uran.ru

XI. CHECKLIST OF ITEMS REQUIRED FOR PROPOSAL SUBMISSION

A. Proposal Document Checklist

- General**
 - Proposal topic and project plan are responsive to the program announcement
 - Proposed work is appropriate for funding by CRDF Global, and is not a duplicate of, or substantially similar to, a proposal previously submitted to CRDF Global
- Form A. Cover Sheet**
 - All fields are completed
 - Signed by Russian PI and Russian Institute Director
- Project Abstract**
 - Does not exceed one (1) page
- Project Narrative**
 - All project criteria is addressed
 - Text is within nine page limit
 - Formatted properly (typed, in English, single spaced, one inch margins, page numbers, font no smaller than Arial 10 pt)
 - Authors names are included at end of section
- References Cited**
- Post-Doc Research Mentoring Plan (if applicable)**
- U.S. & Russian PI CV**
- Form B. U.S. & Russian Personnel Data**
 - All fields are completed for all participants (other than Project PIs) and does not exceed ½ page each
- CV for all U.S. & Russian Personnel**
 - Each Form B has a corresponding detailed CV compiled as a separate document which is submitted separately from the proposal
- Form C(1). Budget – Russian Team Budget**
 - Russian budget does not exceed the total allowed costs
 - IFS rates include Hourly Rate, Number of Hours Per Day, and the Number of Days
 - Institutional Support for the Russian team does not exceed 10% of direct costs (IFS + ESS+ Travel)
 - Cost-shares (if applicable) are reported as a monetary value
- Form C (2). U.S. Team Budget**
 - U.S. Team budgets do not exceed the total allowed costs
 - All budget item including supplies and services are listed individually and calculated based on actual costs
- Budget Narrative**
 - All expenses listed in the Budget (Form C) are described
 - Any equipment valued over \$1000 includes an additional detailed justification
 - For travel expenses, all trips are justified with description of who is traveling, to where and for how long. Airfare, lodging and per diem costs for each trip are clearly stated
- Form D. Statement of Other Support**
 - At least one form is completed for each PI
 - If there is no other support reported, the form is completed with the PIs name and the “none” box checked at the top of the page
- Form E. Previous CRDF Global Awards**
 - Does not exceed one (1) page per award
- Form F. Suggested Reviewers and Reviewers Not to Include - optional**
 - Only lists U.S. citizens or U.S. residents currently residing in the U.S.
- U.S. Principle Investigator Partnership Statement**
 - Written based on provided template (Appendix 3) and signed by U.S. PI
 - On U.S. institute letterhead
- U.S. Milestone Plan**
 - Written based on the instructions in Section VII (Allowable Costs) and template (Appendix 4)
 - Should include clear, discrete, verifiable milestones; deliverables must be associated with each milestone

B. Special Documentation Requirements

- Proposals involving Human Subjects research only:**
 - CRDF Global Protocol Summary Form

- U.S. and Russian Institute's Internal Review Board (IRB)/ Internal Ethical Committee Approvals/Waivers (if available)
- Federal-Wide Assurance Registration Number (FWA) (if available)
- Consent/Assent Forms in Local Language(s) AND English Translation (if available)
- Team Participant Certificates of Ethical Training (if available)
- For-Profit Company Cost-shares Letter of Support** (Indicating level and description of contribution)
 - U.S. for-profit companies only: Letter of Commitment to contribute 10% of Russian expenses and coverage of all U.S. expenses
 - Russian for-profit companies only: Letter of Commitment to contribute up to 5-10% of total Russian expenses
 - Proposals with in-kind contributions: Letter of Commitment from contributing U.S. and/ or Russian institution

C. Submissions Requirements

- Submit to UrB: electronic version of the proposal by e-mail, and a hard copy via regular mail
- Submit to CRDF Global: proposal documents in English electronically via EPS
- Proposal is in one PDF document
- English abstract text is available to be copied into EPS directly
- All participant CVs other than the PIs are compiled into a separate document; submit into EPS separately
- U.S. PI partnership letter is a separate PDF document; submit into EPS separately
- All other document requirements related to for-profit cost-shares and Human Subjects are separate documents; submit into EPS separately

Appendix 1
List of General Scientific Areas and Sub-Disciplines

Biological & Biomedical Sciences & Engineering

Agriculture & Agronomy
Bacteriology
Behavioral Biology
Biochemistry
Biophysics
Biotechnology
Botany (Plant Biology)
Cardiology
Cell Biology
Conservation Biology
Developmental Biology
Entomology
Environmental Health
Epidemiology
Genetics
Hematology
Immunology
Marine Biology
Medicine
Molecular Biology
Molecular Medicine
Mycology
Neurology
Oncology
Ophthalmology
Physiology
Population Biology
Radiology
Toxicology
Microbiology
Virology
Zoology

Chemical Sciences and Engineering

Analytical & Surface Chemistry
Biochemistry
Catalysis
Chemical Engineering
Inorganic Chemistry
Organic Chemistry
Physical Chemistry: General
Physical Chemistry: Kinetics
Physical Chemistry: Physical Organic
Physical Chemistry: Reactions/Mechanisms
Physical Chemistry: Theory & Dynamics
Polymer Chemistry

Electrical, Materials, and Manufacturing Sciences and Engineering

Aero/Astro Engineering
Ceramics
Composite Materials
Electrical Engineering
Electronic Materials
Instrumentation
Lasers
Magnetic Materials
Manufacturing
Materials Science
Mechanical Engineering
Metallurgy
Nuclear Engineering
Optical Materials
Polymers
Power Engineering
Superconducting Materials

Geological Sciences and Engineering

Atmospheric Science
Civil and Mechanical Engineering
Environmental Science
Geochemistry
Geological Engineering
Geology
Geophysics
Hydrology
Meteorology
Mineralogy
Oceanography
Paleoclimatology
Petroleum Geology
Radioactivity
Remote Sensing
Seismology
Soil Science
Volcanology

Mathematical and Information Sciences

Abstract Algebra
Applied Mathematics (non-physics)
Complex Systems & Chaos
Computer Science
Geometry & Topology
Mathematical Logic & Number Theory
Mathematical Physics
Mathematical Statistics and Probability
Modern Analysis
Numerical Methods

Physical Sciences

Acoustics
Astronomy/Astrophysics
Atomic and Molecular Physics
Beams
Condensed Matter: General
Condensed Matter: Magnetic Properties
Condensed Matter: Structure
Condensed Matter: Superconductivity
Condensed Matter: Theory and Transport
Electronics
Fluids
Holography
Hydrodynamics
Lasers
Mechanics
Medical Physics
Nonlinear Optics
Nuclear Physics
Optics and Spectroscopy
Particles and Fields
Plasma Physics
Quantum Computing and Cryptography
Quantum Statistics
Space
Theoretical Physics

Appendix 2
Instructions for Cost-Sharing and In-Kind Contributions for For-Profit Companies

Requirements for Participation of For-Profit Companies

Proposals that involve strictly R&D activities and include the participation of Russian or U.S. for-profit companies are eligible for this competition; for-profit companies can commit cash, material, or pledge in-kind contributions. Direct cash contributions must be administered by CRDF Global as part of the award to the Russian team.

U.S. For-Profit Companies are required to:

- a. Cover all the U.S. Team expenses. No funds may be requested from CRDF Global.
- b. Contribute a minimum of 10% of the total dollar amount requested by the Russian Team.

Russian For-Profit Companies are required to:

- a. Contribute up to 5-10% of the total dollar amount requested by the Russian Team.
- b. Russian for-profit companies are not required to make contributions to the U.S. Team's expenses.

At the time of submission, for-profit companies are required to provide a letter of support to CRDF Global that includes:

- a. The signature of an authorized representative of the for-profit company.
- b. A detailed description of the company's contribution in U.S. Dollars.

Types of Allowable Cost-Shares:

- i. **Cash Contributions:** Cash contributions to CRDF Global awards may include cash provided to CRDF Global to be administered as part of a CRDF Global award or may be directly to an awardee by a Third Party.
- ii. **In-Kind Contributions:** In-kind contributions to CRDF Global awards may include the following costs:
 - Donated physical items (e.g. equipment, supplies & expendable materials)
 - Use of equipment and/or space
 - Unreimbursed (under the award) professional time spent working on an award
 - Unreimbursed fringe benefits that are reasonable, allowable and allocable
 - Unrecovered indirect costs (only with prior approval)*
 - Pre-defined and pre-approved volunteer services furnished by professional and technical personnel, consultants and other skilled and unskilled labor if the service is integral and necessary as part of the approved project and is clearly identifiable to the specific award.

* Unrecovered indirect costs are commonly considered cost-share under the following circumstances:

- If direct program costs are contributed to a project, the associated indirect costs are calculated as part of the cost-share at the appropriate negotiated or approved indirect rate.
- If indirect costs are limited under a "cap" or ineligible for funding, the amount of actual indirect costs over the cap or the total amount if indirect costs are totally denied may be counted.

Special Note on Salaries Included As Cost-sharing:

Please note that the following salary items are not considered cost-sharing:

1. Salary for U.S. for-profit company representatives.

For more information regarding CRDF Global Cost-sharing policies, please refer to contact CRDF Global at researchpartnerships@crdfglobal.org

Appendix 3
Example of U.S. Principal Investigator Partnership Statement

[U.S. Institution Letterhead]

[Date]

[U.S. Host Institution Address]

Re: [Full Proposal Title]

Dear CRDF Global,

I, [U.S. Principal Investigator (PI) Name], hereby acknowledge that I have submitted a proposal to 2013 CRDF Global- UrB RAS Joint Basic Research Competition jointly with [Russian PI Name] of [Russian Institution Name].

If awarded, I undertake this research in good faith and will uphold my portion of the collaborative work as proposed in the submission.

Sincerely,

[U.S. PI Signature]

[U.S. PI Typed Name]

Appendix 4
U.S. Team – Project Milestone Template

First Semi-Annual Reporting Period		
Milestone:	Description:	Associated Deliverable(s):
Training for 30 participants	The US PI will train the Russian team and their institute colleagues in technologies of manufacturing new materials	Copies of all training materials, including power point slides, hand-outs; photographs, and video footage of the training
Total Amount Requested for this Reporting Period:		\$3,500
Second Semi-Annual Reporting Period		
Milestone:	Description:	Associated Deliverable(s)
Completion of data analysis	U.S. team will conduct analysis on data collected by the Russian team	Report
Total Amount Requested for this Reporting Period:		\$5,000
Third Semi-Annual Reporting Period		
Milestone:	Description:	Associated Deliverable(s)
Travel to Tashkent for collaborative work with the Russian PI	U.S. PI will travel to Yekaterinburg to complete the following tasks: <ul style="list-style-type: none"> • Task 1 • Task 2 	Trip Report Travel documents (copies of boarding passes, visa, other receipts) Photographs
Total Amount Requested for this Reporting Period:		\$7,000
Fourth Semi-Annual Reporting Period		
Milestone:	Description:	Associated Deliverable(s)
Completion of manuscript to be submitted for publication	U.S. team will work with the Russian team to prepare a final manuscript to be submitted for publication in the peer-reviewed journal, XXXX.	Copy of the manuscript
Total Amount Requested for this Reporting Period:		\$4,500

Form A: Cover Sheet

GENERAL PROJECT INFORMATION			
Total Amount Requested from CRDF Global	Total:		Projected Length of Project
	Russian Team:	U.S. Team:	
General Scientific Area			Sub-discipline
Project Title (not to exceed 25 words)			
Research Involves use of Human/Animal subjects	<input type="checkbox"/> Human <input type="checkbox"/> Animal <input type="checkbox"/> None		

INFORMATION ON THE RUSSIAN PRINCIPAL INVESTIGATOR			
Full Name (Last, First, Patronymic/Middle)			
Position/Title			
Institution Name Complete Mailing Address			
Institution type	<input type="checkbox"/> University/Academic <input type="checkbox"/> Research Institute <input type="checkbox"/> Government <input type="checkbox"/> For-profit <input type="checkbox"/> Non-profit/non-governmental <input type="checkbox"/> Other _____		
PI E-mail		Passport #	
Telephone #		Fax #	
Date of Birth (MM/DD/YY)		Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female
Highest Degree Earned/ Field of Degree		Year Awarded	
(Must Check One) <input type="checkbox"/> Russian Citizen <input type="checkbox"/> Permanent Resident <input type="checkbox"/> Non- Russian Citizen with legal visa status			
Name of Institution Director		E-mail	
Have you received a grant under a previous CRDF Global program or been a participant in a CRDF Global-funded workshop?			<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "Yes," please list program and grant number or workshop title.</i>			
Total number of Russian team members, including Russian PI and graduate students			

SIGNATURES <i>Scanned, signed copies of this cover sheet are required for applicants</i>			
Russian Principal Investigator Signature		Date	
Russian Institute Director Signature		Date	

Form A: Cover Sheet

INFORMATION ON THE U.S. PRINCIPAL INVESTIGATOR			
Full Name (Last, First, Middle)			
Position/Title			
Institution Name Complete Mailing Address			
Institution type	<input type="checkbox"/> University/Academic <input type="checkbox"/> Research Institute <input type="checkbox"/> Government <input type="checkbox"/> For-profit <input type="checkbox"/> Non-profit/non-governmental <input type="checkbox"/> Other _____		
PI E-mail		Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female
Telephone #		Fax #	
Highest Degree Earned/ Field of Degree		Year Awarded	
(Must Check One) <input type="checkbox"/> U.S. Citizen <input type="checkbox"/> Permanent Resident <input type="checkbox"/> Non-US Citizen with legal visa status			
City		State	
Zip Code		Congressional District ⁴	
U.S. Institutional Representative Name & Title		E-mail	
U.S. Institutional Representative Address		Telephone #	
Have you received a grant under a previous CRDF Global program or been a participant in a CRDF Global-funded workshop?			<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "Yes," please list program and grant number or workshop title.</i>			
Total Number of U.S. team members, including U.S. PI& graduate students			

⁴ **If you do not know your congressional district, please click on this [link](#) and search for your representative using your Institute's zip code.

Form B: Personnel Data

*For all members of the Russian and U.S. team other than the Principal Investigators.
Please copy this page as necessary.*

Full Name (Last, First, Patronymic/Middle)		<input type="checkbox"/> Russian Participant	<input type="checkbox"/> U.S. Participant
Current Position Institution Name Complete Mailing Address			
E-mail Address		Telephone #	
Highest Degree/ Year Awarded		Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female
Passport Number <i>(Russian participants only)</i>		Date of Birth (MM/DD/YY) <i>(Russian participants only)</i>	
Classification on Project (please check one):			
<input type="checkbox"/> Researcher/Engineer <input type="checkbox"/> Technical/Scientific Support <input type="checkbox"/> Student <input type="checkbox"/> Administrative/Clerical Support (Russian Only)			
Have you received a grant under a previous CRDF Global program or been a participant in a CRDF Global funded workshop?			<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "Yes," list program and grant number or workshop title.</i>			

Full Name (Last, First, Patronymic/Middle)		<input type="checkbox"/> Russian Participant	<input type="checkbox"/> U.S. Participant
Current Position Institution Name Complete Mailing Address			
E-mail Address		Telephone #	
Highest Degree/ Year Awarded		Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female
Passport Number <i>(Russian participants only)</i>		Date of Birth (MM/DD/YY) <i>(Russian participants only)</i>	
Classification on Project (please check one):			
<input type="checkbox"/> Researcher/Engineer <input type="checkbox"/> Technical/Scientific Support <input type="checkbox"/> Student <input type="checkbox"/> Administrative/Clerical Support (Russian Only)			
Have you received a grant under a previous CRDF Global program or been a participant in a CRDF Global funded workshop?			<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "Yes," list program and grant number or workshop title.</i>			

Form C(1): Russian Project Budget

Please refer to [Section VII](#) "Allowable Costs." Convert all amounts to USD

Primary Participants					
Individual Financial Support (IFS)				UrB RAS funds	CRDF Global funds
Participant Name (Add rows if necessary.)	Hourly Rate	# Hours per Day	# of Days	Total	Total
1					
2					
3					
TOTAL INDIVIDUAL FINANCIAL SUPPORT					
Equipment, Supplies and Services (ESS) (All items over \$1,000 must also be justified in the Budget Narrative. Add rows if necessary.)					
Item	Units	Unit Cost			CRDF Global funds
1					
2					
3					
TOTAL EQUIPMENT, SUPPLIES AND SERVICES					
Travel (Totals only, describe purpose and per person costs in detail in Budget Narrative.)					
Domestic Transportation					
Domestic Per Diem					
International Transportation					
International Living Allowance/Per Diem					
Other Travel Expenses (e.g. visa fees, conference registration fees, etc.)					
TOTAL TRAVEL					
Secondary Collaborators					
Individual Financial Support				UrB RAS funds	CRDF Global funds
Participant Name (Add rows if necessary.)	Hourly Rate	# Hours per Day	# of Days	Total	Total
1					
2					
TOTAL INDIVIDUAL FINANCIAL SUPPORT					
Equipment, Supplies and Services (All items over \$1,000 must be also justified in the Budget Narrative. Add rows if necessary.)					
Item	Units	Unit Cost			CRDF Global funds
1					
2					
TOTAL EQUIPMENT, SUPPLIES AND SERVICES					
Travel (Totals only, describe purpose and per person costs in detail in Budget Narrative.)					
Domestic Transportation					
Domestic Per Diem					
International Transportation					
International Living Allowance/Per Diem					
Other Travel Expenses (e.g. visa fees, conference registration fees, etc.)					
TOTAL TRAVEL					
Institutional Support					
Russian Institutional Support (Up to 10% of the total Russian team expenses)					
PROJECT SUBTOTAL				UrB RAS funds	CRDF Global funds
<i>Maximum Project Subtotals</i>				\$17,000	\$16,000
TOTAL COST-SHARING FROM NON-CRDF Global or UrB RAS SOURCES (Including for-profit contributions. Describe in detail in Budget Narrative)					
TOTAL RUSSIAN PROJECT COST (UrB RAS + CRDF GLOBAL EXPENSES)					

Form C(2): U.S. Project Budget

Please refer to [Section VII](#) "Allowable Costs." Convert all amounts to USD

Primary Participants				
Individual Financial Support (IFS)				
Participant Name (Add rows if necessary.)	Hourly Rate	# Hours per Day	# of Days	Total
1				
2				
3				
TOTAL INDIVIDUAL FINANCIAL SUPPORT				
Equipment, Supplies and Services (ESS) (All items over \$1,000 must also be justified in the Budget Narrative. Add rows if necessary.)				
Item	Units	Unit Cost	Total	
1				
2				
3				
TOTAL EQUIPMENT, SUPPLIES AND SERVICES				
Travel (Totals only, describe purpose and per person costs in detail in Budget Narrative.)				Total
Domestic Transportation				
Domestic Per Diem				
International Transportation				
International Living Allowance/Per Diem				
Other Travel Expenses (e.g. visa fees, conference registration fees, etc.)				
TOTAL TRAVEL				
Secondary Collaborators				
Individual Financial Support				
Participant Name (Add rows if necessary.)	Hourly Rate	# Hours per Day	# of Days	Total
1				
2				
TOTAL INDIVIDUAL FINANCIAL SUPPORT				
Equipment, Supplies and Services (ESS) (All items over \$1,000 must also be justified in the Budget Narrative. Add rows if necessary.)				
Item	Units	Unit Cost	Total	
1	□			
2				
TOTAL EQUIPMENT, SUPPLIES AND SERVICES				
Travel (Totals only, describe purpose and per person costs in detail in Budget Narrative.)				Total
Domestic Transportation				
Domestic Per Diem				
International Transportation				
International Living Allowance/Per Diem				
Other Travel Expenses (e.g. visa fees, conference registration fees, etc.)				
TOTAL TRAVEL				
Institutional Support				
Indirect Costs (Please include the amount for indirect costs for your institute including supporting documentation for the rates charged)				
1				
2				
TOTAL INDIRECT COST				
PROJECT SUBTOTAL				
(from CRDF Global Funds, not to exceed \$15,000 USD)				
TOTAL COST-SHARING				
(From non-CRDF Global sources, including for-profit contributions. Describe in detail in Budget Narrative)				
TOTAL U.S. TEAM PROJECT COST				
(CRDF Global funds + cost-sharing from non-CRDF Global sources)				

Form D: Other Sources Of Support Of Key Personnel

(For all members of the team. Please copy this page as necessary.)

“None” – Check here if no other sources of support. List names of Principal Investigators below.

Investigator Name			
Support	<input type="checkbox"/> Current <input type="checkbox"/> Pending Submission Planned in Near Future		
Project/Proposal Title			
Source of Support		Level of Effort (%)	
Award Amount		Period Covered	
Location of Research			

Investigator Name			
Support	<input type="checkbox"/> Current <input type="checkbox"/> Pending Submission Planned in Near Future		
Project/Proposal Title			
Source of Support		Level of Effort (%)	
Award Amount		Period Covered	
Location of Research			

Investigator Name			
Support	<input type="checkbox"/> Current <input type="checkbox"/> Pending Submission Planned in Near Future		
Project/Proposal Title			
Source of Support		Level of Effort (%)	
Award Amount		Period Covered	
Location of Research			

Form E: Previous CRDF Global Awards

(Please copy the form as necessary for each award. Individual forms should not exceed one page)

CRDF Global Award Number:			
Title of Previous Project:			
Start Date (MM/YY)		End Date (MM/YY)	
Please briefly describe the previous research project. Be sure to provide specific information regarding results and objectives. Were all objectives of the research plan achieved? If not, what prevented you from doing so? Please list scientific publications and conference reports that were published as a result of CRDF Global award.			
How will the work accomplished during this project contribute to the proposed research? Please address specific project results (data, models, methods) that the proposed project will further develop and/or build upon.			

Form F: Suggested Reviewers and Reviewer Not Include (OPTIONAL)

No more than ten names may be included for each list.

Suggested Reviewers*			
Name	Affiliation	E-mail (if known)	Brief Justification
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Suggested Reviewers Not to Review			
Name	Affiliation	E-Mail (if known)	Brief Justification
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

* Eligible reviewers for this competition must be U.S. citizens or hold permanent residence, and currently reside in the U.S.