



ONR Global Research Grant (FY22)

I. INTRODUCTION

The Office of Naval Research Global (ONR Global) seeks proposals focused on **high risk/high reward** fundamental research being conducted by Ukrainian researchers and their collaborators. This is a merit-based, competitive opportunity.

The submission of initial abstracts and/or white papers and proposals, their evaluation, and the placement of research grants will be carried out as described in the Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology (N00014-22-S-B001) and in this document. ONR Global intends to issue only research grant(s).

ONR Global may award one grant or multiple grants. The number of grants and amounts of funding for each grant will depend on proposals submitted. ONR Global anticipate successfully executed concepts may attract additional funding from other sources for potential follow-on research efforts under a separate acquisition mechanism; however, this does not imply the promise of additional funding.

The purpose of this document is to focus the attention of the international, especially Ukrainian, scientific community on 1) the areas of interest, and 2) the planned submission and approval process for the submission of research abstracts, white papers, and full proposals.

Research organizations and individuals that are not subject to U.S. sanctions, or are not otherwise excluded from doing business with the U.S. Government, may participate. Please note the grant applicant is responsible for complying with any applicable sanctions, export controls, and similar limitations.

Potential Technical Disciplines:

- Physics, especially Quantum (including theoretical)
- Quantum optics / Quantum sensing
- Biological Sciences/Technology / Earth science
- Artificial Intelligence / Machine Learning
- Signal processing
- Synthetic biology
- Power and energy
- Sensors and sense making

II. INITIAL PROPOSED RESEARCH SUBMISSION

Initial research abstracts are to be submitted to Principle Investigator's (PI) current "home" organization (ONR Global international partner). Home organizations are considered those where the scientist is currently engaged in research, not necessarily primary appointments in the Ukraine, e.g., the Czech, Polish, and Slovak Academy of Sciences, or a local university in the sponsor nation hosting the



researcher. ONR Global anticipates that the partner organization utilizes unique format(s) for soliciting information about research from Ukrainian scientists, therefore, the specific formats utilized by the various international institutions are acceptable for the initial submission to ONR Global.

The ONR Global international partner organization will assess how well each research abstract submitted achieves a potentially revolutionary capability relevant to the technology areas above and will rank the research abstracts, identifying the top three-five (3-5), prior to submitting to ONR Global for consideration. International partner organizations will evaluate the scientific and technical merits of the proposed effort, leveraging their own internal knowledge of the technical strengths of their institutions, to perform the initial review and identification of research to be submitted to ONR Global for consideration. Selection criteria includes:

- high risk/ high potential to revolutionize the field,
- degree of innovation and originality,
- soundness of technical concept and approach,
- Offeror's awareness of the state of the art and understanding of the scope of the problem,
- and anticipated scientific impact within the field.

They will also consider: 1) the Offeror's capabilities, related experience, facilities, techniques or unique combinations of these that are integral factors for achieving the proposal objectives, and 2) the qualifications, capabilities and experience of the proposed PI, team leader and key personnel who are critical to achieving the research objectives.

ONR Global will then invite those PIs/teams submitting research abstracts of the greatest interest to ONR Global for a discussion with the ONR Global selection committee. Following the discussion, the ONR Global committee may invite the PI/team to submit either a white paper or full proposal. Invitations to propose and feedback will be issued via e-mail notification to the PI from the Technical Point(s) of Contact or their designee(s). However, any such invitation does not assure a subsequent award.

For those invited to submit a white paper, white papers shall follow the format provided in this document (see Attachments 1-3). White papers shall be 12 point Times New Roman font and not exceed three-five single-sided pages. Figures, charts and tables should be legible, but may use a smaller font size. White papers must include an additional one-page quad chart (Attachment 3), which are not part of the white paper page limitation. The three-five page white papers should be submitted in Adobe PDF format (preferred) or in Microsoft Word. The quad chart may be submitted in Adobe PDF (preferred) or in Microsoft PowerPoint format.

The PI shall be the primary point of contact following initial submission by the home organization. International partner home organizations will submit initial candidate documentation to martina.m.barnas.civ@mail.mil AND martina.m.siwek.civ@mail.mil by 23:59 EDT on 5 August 2022. The subject line of the email shall read: "ONR Global Ukraine Research Grant Submission". Do not send ZIP files or provide links to "Dropbox" type applications as they will not be reviewed. Password protected files are discouraged.



The ONR Global Research Grant evaluation panel will review submitted research abstracts and will invite PIs/teams with the most promising and revolutionary concepts to an initial discussion of the proposed research. Researchers with revolutionary and potentially disruptive research abstracts may be invited to submit a grant proposal. All teams submitting a full proposal must follow steps listed in section III below.

III. FULL PROPOSAL SUBMISSION AND AWARD INFORMATION

Full grant proposals must be submitted to the Department of the Navy at <https://www.grants.gov/> under BAA number N00014-22-S-B001. ONR Global will not consider full proposals received after this date. See Appendix 1 of BAA N00014-22-S-B001 for instructions on submitting grant proposals via grants.gov. Please note SAM registration is required to submit proposals on grants.gov and may require significant time to complete for new SAM registrants. The ONR Global Research Grant evaluation panel will evaluate Full Proposals in accordance with Section II (E) of BAA N00014-22-S-B001.

The initial period of performance is one to three years. A final research progress report is required in accordance with the terms and conditions of the grant. Financial and patent reports will also be required.

Although ONR Global expects the above plan to be executed, ONR Global reserves the exclusive right to make changes or cancel this ONR Global Research Grant, as necessary. This document does NOT imply any promise of award.

IV. POINTS OF CONTACT

Dr. Martina Barnas – martina.m.barnas.civ@mail.mil – Quantum, London Office

Dr. Martina Siwek – martina.m.siwek.civ@mail.mil – Biological/Interdisciplinary Sciences, Prague Office

Business Point of Contact: ONR Global Grants Team, ONRG.GrantProposals@mail.mil

V. Attachments

1. Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology (N00014-22-S-B001)
2. ONR Global White Paper Template
3. ONR Global Quad Chart Template