

Competition documentation for an open public competition for Russian Science Foundation grants within the event “Research Conducted by Research Teams under the Supervision of Young Leaders” under the Presidential program of research projects conducted by the leading scientists including young scientists

1. The competition for grants from the Russian Science Foundation within the event “Research Conducted by Research Teams under the Supervision of Young Leaders” under the Presidential program for of research projects conducted by the leading scientists, including young scientists in the priority area of the Russian Science Foundation’s activity “Basic Scientific Research and Exploratory Scientific Research Conducted by Order of the President of the Russian Federation” (hereinafter — competition, grants) is held in accordance with the Procedure for Competitive Selection of scientific and Technical Programmes and Projects Submitted for the Foundation’s Competition, based on a decision of the Supervisory Board of the Russian Science Foundation (hereinafter — the Foundation) (Minutes No. 2 dated 31 January 2021)

2. The Foundation’s grants are financed by the Russian Science Foundation.

3. The grants are allocated for scientific and scientific and technical programmes and projects, basic research and exploratory research (the projects, research) from when the competition results are decided until 30 June 2024 with possible subsequent prolongation¹ for one or two years for the following branches of knowledge:

01. Mathematics, Computer Science and Systems Sciences

02. Physics and Space Sciences

03. Chemistry and Materials Sciences

04. Biology and Life Sciences

05. Basic Research for Medicine

06. Agricultural Sciences

07. Earth Sciences

08. Humanities and Social Sciences

09. Engineering Sciences.

The scientific research (project) should be related to resolving particular research problems in one of the following areas set in the Strategy for Scientific and Technological Development of the Russian Federation (approved by Order No. 642 of the President of the Russian Federation dated 1 December 2016 “On the Strategy for the Scientific and Technological Development of the Russian Federation”) (the Strategy) (see the list below); solving these problems will produce scientific and scientific and technical results and create technologies to form the basis for innovative development of the domestic goods and services market and Russia’s stability on the foreign market, and will ensure:

A1. Transition to cutting edge digital, intellectual, manufacturing technologies, robotic systems, new materials and engineering methods, creating systems for processing Big Data, for machine learning and artificial intelligence.

A2. Transition to an environmentally clean and energy-saving power industry, increasing efficiency of production and deep processing of hydrocarbons, creating new sources, means of transporting and storing energy.

A3. Transition to personalized medicine, hi-tech healthcare and health protection, including through rational application of medications (primarily antibacterial ones).

A4. Transition to highly productive and environmentally safe agriculture and aquaculture, development and introduction of a system for rational application of means of chemical and biological protection for agricultural crops and animals, storage and effective

¹ Only projects with a three-year implementation term may be prolonged.

processing of agricultural products, and creation of high quality, safe foods, including functional ones.

A5. Combatting of man-made, biological, sociocultural threats, terrorism and ideological extremism, cyber threats and other sources of danger to the public, the economy and the state.

A6. Connectedness of the territory of the Russian Federation through creation of smart transport and telecommunication systems, achieving and holding leading positions in creating international transport and logistics systems, exploring and using outer space and air space, the World Ocean, the Arctic and the Antarctic.

A7. Possibility for Russian society to respond effectively to major challenges, taking into account interaction between humans and nature, humans and technology, for social institutions at the current state of global development, including using methods from the humanities and social sciences.

The project should be directed, among other things, at advancing the academic careers of young scientists and scholars, expanding the planning horizons of their academic work, forming research teams that could subsequently serve as a basis for new scientific departments and laboratories.

4. The competition is open to projects of research teams led by Candidates or Doctors of Sciences² aged up to and including 35 years³ on the application submission deadline (the project leader) irrespective of the project leader's position and citizenship and of the form of incorporation and ownership of the organizations with which the project leader and research team members have employment or civil and law relations.

5. The Foundation's grants will be provided to the research team on a free and non-refundable basis pursuant to the competition results and on the terms specified by the Foundation, via Russian research organizations, Russian higher educational institutions, other Russian organizations whose constituent documents allow for research to be conducted, and via international (inter-country and intergovernmental) research organizations located in the Russian Federation, where the projects will be implemented (the organization).

6. A scientist serving as project leader (in addition to one project selected by the Foundation through competitions coordinated with foreign partners) on a project previously supported by the Foundation and not completed as of 1 July 2021 may not serve as the project leader for the purposes of this competition.

A scientist deprived⁴ of the right to serve as project leader for a certain period owing to their refusal to lead a project funded by the Foundation and/or early termination of a project funded by the Foundation by decision of the Foundation Board may not serve as the project leader for the purposes this competition.

7. A scientist in any way involved in implementing two⁵ or more projects funded by the Foundation when they join the research team for a project supported pursuant to this competition is not eligible to be a member of the research team for the purposes of this competition.

The project leader's immediate administrative superior may not be a research team member.

² An academic degree recognized in the Russian Federation in the established manner. Violation of this clause entails rejection of the application at any stage of the competition.

³ Violation of this clause entails rejection of the application at any stage of the competition.

⁴ The list of reasons for depriving someone of the right to lead projects is available on the Foundation's website at www.rscf.ru in "Decisions of the Supervisory Board" in the "Documents" section.

⁵ The leader of any project of the Foundation may simultaneously lead one additional project selected by the Foundation through competitions coordinated with foreign partners, and participate in one Foundation project as a core investigator.

8. Employees of organizations and other persons involved in implementing the project with employment or civil and law relations with the organization for the duration of the project may serve as the project leader and research team members. Throughout the project's practical implementation, the project leader may not be employed by the organization⁶ on an employment contract for remote work.

9. The project leader should have the following number of publications on the project's subject matter in peer-reviewed Russian and foreign academic journals indexed in the Web of Science Core Collection or Scopus⁷ published between 1 January 2016 and the date of application submission:

a) for branches of knowledge 01–07, 09 listed in Article 3 of the current competition documentation: at least five different publications;

b) for branch of knowledge 08: at least three different publications.

10. Foundation grants range from 3 (three) to 6 (six) million roubles a year.⁸

11. The Foundation may alter the amount of annual funding if the Foundation's assets do not suffice to cover its funding obligations or by decision of the Foundation's Management Board based on an expert evaluation of the grant applications for participating in the present competition, reports submitted on implementation of the project and proper use of the grant provided by the Foundation by its recipient and, in the event that misuse of the grant is revealed.

12. Research team members aged up to and including 39 years directly involved in the research account for at least 70 (seventy) per cent of the total number of research team members throughout the practical implementation of the project.⁹

Each member of the research team will receive annual remuneration for work performed as part of the project's implementation.

The total annual remuneration for a research team member may not exceed 30 per cent of the total annual remuneration for all members of the research team¹⁰.

The annual remuneration for the research team members aged up to and including 39 years must account for at least 70 per cent of the total annual remuneration for all the research team members.

The research team may not have more than eight members (including the project leader).¹¹

⁶ The project leader's right to dispose of the Foundation grant arises when the current employment contract with the organization is amended (if necessary) in accordance with the agreement between the Russian Science Foundation, the project leader and the organization about the grant for fundamental research and applied research (the Agreement), or when they enter into another employment (fixed-term) contract in accordance with the Agreement.

⁷ The list of publications is given in Article 2.9 of Form 2 of Appendix 1.

⁸ From the signing date of the Agreement until 30 June 2022, from 1 July 2022 until 30 June 2023, from 1 July 2023 until 30 June 2024. The planned funding for the project is given in clause 1.8 of Form 1 of Appendix 1. A breach of the terms of this clause results in rejection of the application at any stage.

⁹ The members of the research team are listed in Article 1.6 of Form 1 of Appendix 1. Violation of this clause entails rejection of the application at any stage of the competition.

¹⁰ Including guarantees established by the legislation of the Russian Federation, deductions on insurance premiums for mandatory pension insurance, for mandatory medical insurance and for mandatory social insurance in the event of temporary disability and due to maternity and for mandatory social insurance against industrial accidents and occupational diseases.

¹¹ The number of research team members is given in Article 1.6 of Form 1 of Appendix 1.

13. The project leader is entitled¹² to submit only one application¹³ to take part in this¹⁴ competition as a project leader. There is no restriction on the number of projects funded through one organization.

14. It is not permitted to submit to the Foundation a project that is similar in scope to a project¹⁵ that has been concurrently submitted for other competitions of the Foundation or other research foundations or organizations or that is currently being implemented using the funds of foundations or organizations, a government (municipal) task or development programmes funded by the federal budget. If these conditions are violated, the Foundation will discontinue funding for the project irrespective of its implementation stage, with simultaneous full recovery of the funds paid to the recipient.

15. Projects supported pursuant to the competition may not contain information constituting an official secret or other restricted information that is to be protected in accordance with the legislation of the Russian Federation.

16. A mandatory condition for provision of the grant by the Foundation for the research team, represented by the project leader, is to undertake the following obligations:

16.1. to make the results of their research part of the public domain in accordance with the legislation of the Russian Federation by publishing them in Russian and foreign peer-reviewed scientific journals.

16.2. to publish¹⁶ in Russian and foreign peer-reviewed academic journals¹⁷, during practical implementation of the project:

a) for branches of knowledge No. 01–07, 09 listed in Article 3 of the current competition documentation, at least eight publications in journals indexed in the Web of Science Core Collection or Scopus;

b) for branches of knowledge No. 08, at least four publications in journals indexed in the Web of Science Core Collection or Scopus.

16.3. to mention the financial support received from the Foundation and indicate the organization in published results of any research work performed as part of a project supported by the Foundation.

16.4. to agree that the abstract of the supported project and relevant project implementation reports will be published by the Foundation, including in Internet publications.

16.5. to agree to a possible international evaluation of the application submitted to the competition.

17. Applications for the Foundation's competition should be submitted by the project leader on the forms in Appendix 1 to this competition documentation both electronically [via the Foundation's information and analytical system (the IAS)] and in hard copy (printed out from the IAS), and the contents of the electronic application must be identical to those of the hard

¹² The number of other projects where they are listed as a core investigator is not limited.

¹³ Violation of this clause entails rejection of the application at any stage of the competition.

¹⁴ If the project leader is involved in other competitions held by the Foundation at the same time, they must attach to the second and subsequent applications a declaration of their priorities for implementation of the projects submitted to the Foundation, taking into account the restrictions stipulated in Article 6 of the present competition documentation. This declaration form is automatically generated in the IAS; it should be printed out, signed and submitted to the Foundation as part of the application.

¹⁵ Projects similar to this project application with respect to the goals, objectives, targets, subjects and research methods, as well as to the anticipated results. Expert assessment of projects for matches with other projects is carried out by the Expert Council of the Foundation.

¹⁶ The number of planned publications is given in Article 1.9 of Form 1 of Appendix 1.

¹⁷ In the event of publication in a Q1 Web of Science Core Collection journal according to the impact factor in JCR Science Edition, and in Scopus SJR (Q1 is determined as by <http://www.scimagojr.com/> data), such a publication is counted as two publications.

copy. Applications are to be submitted to the Foundation in Russian, with individual fields of the application forms completed in English (only where specifically indicated).

18. Applications should be completed using the Foundation's IAS located on the Internet at <http://grant.rscf.ru>¹⁸. After the application receives a registration number in the IAS, the project leader must print out and submit¹⁹ one hard copy of the application and additional materials to the Foundation **not later than 17:00 (Moscow time) 12 March 2021** to: 14 Solyanka St., bldg. 3, GSP-2, Moscow, 109992. The project leader must independently choose the method for delivering the application materials to the Foundation ensuring that they are received by the Foundation by the required deadline.

19. The hard copy of the application (including additional materials attached) **must be bound and the organization's seal affixed** (if it exists), while the relevant forms must be personally signed (with signatory names printed next to the signatures) by the project leader, the core research team members (core investigators) and the head of the organization (authorized representative acting on the basis of a power of attorney or an executive document)²⁰.

20. Applications received by the Foundation will not be returned.

21. Not eligible for the competition are applications:

- a) completed and/or submitted to the Foundation with violations of the requirements of Article 17, 18, and 19 of the competition documentation;
- b) completed and submitted to the Foundation with violations of the requirements on the content of the competition application set forth in the competition announcement and the competition documentation;
- c) whose hard copy versions differ from the electronic version registered in the IAS;
- d) whose hard copy versions were received²¹ by the Foundation after the submission deadline;
- e) whose content violates the requirements of Articles 3–7, 9, 10, 12–16 and 36 of this competition documentation, including the qualification requirements set out in Article 9 of the competition documentation;
- f) containing inconsistent information about applicants' required qualification, namely in Article 2.9 of Form 2 of Appendix 1.

22. The Foundation shall notify the project leader via the IAS about registration of the application, receipt of the hard copy of the application and the results of the competition.

23. The project leader is entitled to withdraw an application submitted for the competition provided that a relevant written notification is submitted to the Foundation.

24. The project leader is entitled to make changes to an application submitted for the competition only by withdrawing the application in accordance with Article 23 and submitting a new application by the submission deadline.

25. Applications admitted to the competition undergo expert assessment in accordance with the Procedure for expert assessment of scientific and scientific and technical programmes and projects submitted for a competition of the Russian Science Foundation and the Criteria for the competitive selection of scientific and science-technical programmes and projects submitted

¹⁸ The application cycle consists of the following stages: registration of the project leader and up to three core investigators (if not done previously), filling out, in the IAS, the information about the project leader and the core investigators, preparation of the application, registration of the application.

¹⁹ The Foundation accepts applications on business days between 9:00 and 17:00 (Moscow time).

²⁰ If the form is signed by the authorized representative of the organization, a copy of the appropriate power of attorney or executive document (authenticated by the seal of the organization, if available) is attached to the hard copy of the application.

²¹ Irrespective of their submission for delivery and/or the reasons for delays in delivery to the Foundation.

for a competition of the Russian Science Foundation²². Applications will be referred for expert assessment in accordance with the classification codes for the branches of knowledge specified by project leaders in the applications.

26. The competition results will be approved by the Foundation's Management Board up to and on **10 July 2021**.

27. The list of supported projects based on the competition results will be published on the Foundation's website within ten days of the competition results being determined (approved).

28. Within 15 business days of the competition results being approved, leaders of projects supported by the Foundation will be sent via the IAS texts of agreements for completion and signing. The agreements will contain the following information:

- the area of research;
- the work plan and cost estimate²³ for the research;
- the duty of the project leader to submit an annual report on the project's implementation;
- the duty of the organization to provide the research team with the necessary facility, equipment and supplies, as well as access to the available experimental base for research;
- the duty of the organization to conclude civil and law or employment (fixed-term) contracts with each member of the research team²⁴; such contracts must comply with the terms on which the grant is provided;
- the duty of the organization to pay the members of the research team remuneration for work performed as part of the project under written instructions from the project leader;
- the duty of the organization to maintain separate records of expenditure of the grant from the Foundation (including overheads) and present reports on its proper use;
- the conditions and procedure for the parties to terminate the Agreement and/or return (partially return) grant funds, including if the Foundation identifies misuse of the Foundation grant or if there are unused grant funds after expiry of the Agreement;
- other rights and duties of the Foundation, the project leader and the organization associated with use of the Foundation grant.

29. The amount of the Foundation's financial support for the project in the Agreement may be reduced compared to the amount requested by the project leader pursuant to a decision of the Foundation's Management Board based on recommendations from the Foundation's Expert Council.

30. The Foundation may not conclude an agreement if the project leader declared in the Agreement differs from the one included in an application that has undergone expert assessment.

31. Within 15 business days after the receipt via the IAS of the draft agreement, the Agreement signed by the project leader and authorized representative of the organization or a substantiated refusal by the project leader or organization to sign the Agreement must be submitted to the Foundation. The project leader shall independently choose the method for delivering the signed agreement to the Foundation ensuring that it is received by the Foundation on time. If this deadline is not met, the Foundation shall notify the project leader and the organization about the impermissible delay in signing the Agreement. If the duly signed agreement is not received by the Foundation within the following five business days, the project will be excluded from the list of projects supported by the Foundation and a notice of this will be published on the Foundation's official website.

²² The documents are available on the Internet at <http://rscf.ru/ru/documents>

²³ For reference purposes only.

²⁴ If such contracts were not previously concluded.

32. The Foundation grant may be used solely for the purposes²⁵ specified in the Agreement.
33. Identified misuse of the Foundation grant constitutes grounds for termination of the Agreement and/or the return (partial return) of the Foundation grant as prescribed by the Agreement.
34. Intellectual property rights originating from implementing the project will be held by the core investigators. The Russian Federation may use, for public needs, the intellectual products created by the research team on the conditions of a royalty-free, ordinary (non-exclusive) licence granted by the rights holder to the government, with payment by the government of a remuneration to the intellectual property rights holders.
35. The organization shall bear responsibility for improper use of the Foundation's grant.
36. The organization's overheads may not exceed ten per cent of the Foundation's grant. Payment for research work performed by third-party organizations may not exceed 15 per cent of the grant.

²⁵ The awarded grant funds may not be spent on building capital facilities, educational activities, organizing and conducting any scientific or educational events.

Appendix 1

Form “C”. Cover sheet of application to the Russian Science Foundation 2019 competition “Research Conducted by Research Teams under the Guidance of Young Leaders”

Project title	Project number:	
	Field of knowledge:	
	Main classification code:	
	Additional classification codes:	
	SRSTI code:	
Full name of project leader:	Contact telephone number and email of project leader:	
Full and abbreviated name of the organization via which the project is to be funded:		
Project funding (thousand roubles) in the first project year -	Project start year: 2021	Project end year ²⁶ :
Surnames, names and patronymics (if available) of core investigators ²⁷ (<i>in full</i>)		
	<i>(the project leader is not listed in this box)</i>	
I hereby guarantee that no copyrights or other third party rights were violated during preparation of this application and/or the rights holders hereby consent to submission of materials to and their use by the Foundation for expert assessment and publication (in the form of applications).		
Signature of the project leader	Application registration date	
/ /		
Signature of the head of the organization ²⁸		
/ /		
Seal of the organization (if applicable)		

²⁶ Only the following dates are allowed: 30 June 2023 (for two-year projects); or 30 June 2024 (for three-year projects).

²⁷ Up to three core investigators irrespective of the total number of team members.

²⁸ Or an authorized representative acting on the basis of a power of attorney or an executive document. If the form is signed by an authorized representative of the organization (including the head of a branch), **a copy of the appropriate power of attorney or the executive document** (authenticated by the seal of the organization if available) is attached to the hard copy of the application. If the form is signed by an authorized representative of the organization, non-submission of a copy of the executive document or the power of attorney or lack of a printed name next to the signature constitutes grounds for the application not being accepted.

Information about the project

1.1. Project title

in Russian

in English

Priority area from the Strategy

Substantiation of the project subject matter's compliance with the priority area of the Strategy: provide a brief description of the scientific problem (problems) and specific objectives within the area selected for resolution in the project. Substantiate the project's compliance with the priority area.

1.2. Priority area in the development of science, technologies and engineering in the Russian Federation, critical technology²⁹:

1.3. Keywords (no more than 15 terms)

in Russian

in English

1.4. Project abstract³⁰ (no more than two pages, including a brief description of the relevance of the stated problem and its scientific novelty)

in Russian

in English

1.5. Anticipated results and their significance³¹ (indicate the anticipated results and their scientific and social significance (compliance of the anticipated results with international research standards and practical usability of the project's anticipated results in the economy and the social sector))

in Russian

in English

1.6. The research team³² will include:

_____ investigators participating in the project³³ (including the leader), among them

_____ investigators aged under 39 years, of these:

_____ full-time post-graduate students, junior assistants, interns, residents and students.

1.7. The planned members of the research team, indicating their full names, their age at the time of the application's submission, their academic degrees, positions, main workplaces and relations with the organization (employment contract, civil and law contract) during the project's implementation period.

Applicability of the research team members' professional level to the objectives of the project.

²⁹ Indicated according to the list (Decree No. 899 of the President of the Russian Federation dated 7 July 2011) in the event that the project's subject matter can be classified under one of the priority areas and can contribute to development of the critical technologies of the Russian Federation.

³⁰ This information may be published on the Foundation's website.

³¹ This information may be published on the Foundation's website.

³² Any discrepancy between the presented information on the members of the research team (including lack of information in the appropriate boxes of the form) and the requirements of Article 12 of the competition documentation constitutes grounds for the competition application not being accepted.

³³ In accordance with the requirements of Article 12 of the competition documentation, the research team consists of four to eight members, irrespective of whether the investigators have employment or civil and law relations with the organization.

- 1.8. The planned project funding by year (in thous. roubles): _____ until 30 June 2022; _____ from 1 July 2022 until 30 June 2023; _____ from 1 July 2023 until 30 June 2024³⁴.
- 1.9. Based on the results and during implementation of the project, the research team plans to publish³⁵ in Russian and foreign peer-reviewed scientific journals at least _____ publications, including _____ articles in journals indexed in the Web of Science Core Collection or Scopus databases.
- Information about the journals for the planned publications, indicating the databases in which the publications are indexed: the “Web of Science Core Collection,” “Scopus,” the Russian Citation Index, other databases, and also specifying the type of publication: article, review, abstracts, monograph, other type.
- Other means for publicizing the project results.
- 1.10. The number of publications by members of the research team published over the period between 1 January 2016 to the application submission date: _____, _____ in journals indexed in the Web of Science Core Collection or Scopus.
- 1.11. Planned participation by the research team in international collaborations (projects) (if applicable).

The project leader confirms that

- all members of the research team (including the project leader) meet the criteria of Articles 4, 6, 7 and 13 of the competition documentation;
- throughout implementation of the project, they will have an employment contract with the organization, which will not be a remote work contract;
- when publishing the results of any research conducted as part of the project supported by the Foundation, the leader and the research team will indicate funding from the Foundation and the organization, and they consent to the Foundation publishing the abstract and the anticipated results of the supported projects, appropriate reports on its implementation, including Internet publications;
- throughout its practical implementation, the project will not have funding sources other than the Foundation’s grant supporting the project;
- the project does not repeat projects submitted to competitions of academic foundations and other organizations;
- the project does not contain information that constitutes official secrets or other restricted information to be protected under the legislation of the Russian Federation;
- research team members aged up to and including 39 years will account for at least 70 per cent of the total number of research team members throughout the project’s practical implementation;
- the annual scientific report and the financial report on the targeted use of the grant will be submitted to the Foundation within the established deadlines.

Signature of the project leader

³⁴ Any discrepancy between the planned project funding amount and the requirements of Article 10 of the competition documentation constitutes grounds for the application not being accepted.

³⁵ Data is given for the entire project period. Reducing the number of publications (including lack of information in the appropriate boxes in the form) compared to the threshold set in Article 16.2 of the competition documentation constitutes grounds for the application not being accepted.

Information about the project leader

- 2.1. Surname, name and patronymic (if available)
in Russian
surname and initials in English
 WoS ResearcherID³⁶ (if applicable)
 Scopus AuthorID³⁷ (if applicable)
- 2.2. Date of birth (given in figures: date, month, year)³⁸
- 2.3. Citizenship
- 2.4. Academic degree,³⁹ year conferred⁴⁰
- 2.5. Awards and prizes for scientific activities, membership of leading scientific communities (if applicable), involvement in editorial boards of leading peer-reviewed scientific journals (if applicable), involvement in organising committees or programme committees of renowned international conferences and other experience in organising international events.
- 2.6. Main place of employment at the time the application submission: position and full name of the organization (abbreviated name of the organization)⁴¹.
- 2.7. Area of scientific interests: keywords (no more than 15 keywords)
in Russian
in English
- 2.8. Area of scientific interests: Foundation classification codes
- 2.9. List of publications by the project leader published between 1 January 2016 and the application submission date confirming compliance with the terms of Article 9 of the competition documentation.⁴²
*in English*⁴³

The list contains _____ publications in journals indexed in the Web of Science Core Collection, Scopus.

The list contains _____ publications in Q1 journals according to the JCR Science Edition impact factor or JCR Social Sciences Edition impact factor, according to Scopus SJR.⁴⁴

³⁶ Can be obtained by registering at www.ResearcherID.com.

³⁷ Scopus AuthorID is generated in Scopus automatically as soon as there is at least one publication by the author in this database. AuthorID is available in the author's profile, accessible by searching for the author in the Scopus database and clicking on their name.

³⁸ Non-compliance by the project leader's age (including lack of information in the appropriate boxes in the form) with the requirements in Article 4 of the competition documentation constitutes grounds for the application not being accepted.

³⁹ Inadequacy of the academic degree (including lack of information in the appropriate boxes in the form) with respect to the requirements of Article 4 of the competition documentation constitutes grounds for the application not being accepted.

⁴⁰ If there are multiple academic degrees, specify the one that best matches the subject matter of the project.

⁴¹ The project leader does not have to be an employee of the organization when the application is submitted but must conclude an employment contract with the organization if the application is supported. If the project leader is not a citizen of the Russian Federation, the organization must complete all the procedures to comply with the legislation of the Russian Federation for employing foreign citizens.

⁴² It is sufficient to give references to publications that meet the threshold number criterion set in the competition documentation. If the number of publications given on the list and/or numerically on the line below does not comply with the requirements set in Article 9 of the competition documentation (including lack of information in the appropriate line in the form), this constitutes grounds for the application not being accepted in accordance with sub-Article "e" of Article 21 of the competition documentation.

⁴³ For Russian language titles, the information is to be given in Russian with an English translation. It must also be clear that the same document is being cited (for example, add the word "translation").

⁴⁴ Q1 is determined as by <http://www.scimagojr.com/> data.

2.10. The main scientific results over the period from 1 January 2015 (*the results must be evidenced by information from the application, such as publications*)

in Russian

in English

2.11. The total number of publications over the period from 1 January 2016: ____, of these: ____ in the journals indexed in Web of Science Core Collection or Scopus.

2.12. Additional list of publications during the period from 1 January 2016⁴⁵

(monographs, legally protected results of intellectual activity, publications in leading peer-reviewed scientific titles, publications indexed in the Web of Science Core Collection or Scopus; no more than ten publications are to be given; if published on the Internet, a link should be provided (mandatory for publications in indexed journals); specify the impact factor of the scientific journal (according to the JCR Science Edition or JCR Social Sciences Edition), if applicable).

in English

2.13. Research project experience (*specify the name of the foundations (organizations), form of participation, numbers, project titles and completion periods for the last five years*).

Including projects funded by the RSF (if any):

Have been or am acting as the leader of project (or projects) No. ____, No. ____.

Have been or am acting as a core investigator of project (projects) No. ____, No. __.

2.14. Planned involvement in research projects (in any position) in 2021. Total number: ____, including: as leader: ____, as investigator: ____, specifically:

(also specify the grantors or project customers and funding sources, for example - government task of a founder, grants from the RFBR, PRF, RSF and other foundations, government contract (customer, programme), other economic contract and other grants and subsidies).

2.15. The proportion of working time to be devoted to management of this project if the application is supported: _____ per cent.⁴⁶

2.16. The anticipated form of employment relations with the organization⁴⁷ through which the funding will be provided:

The organization will be the main place of work (not remote mode);

Part-time employment contract (not remote mode);

2.17. Involvement in educational activities in the last five years (*specify information about supervising post-graduate students; developing and teaching new courses at Russian and foreign universities*).

2.18. Postal address

2.19. Contact telephone number

2.20. Email

2.21. Involvement in the project: Project leader

2.22. File with additional information⁴⁸ (*CV, other additional information that might be useful in the opinion of the project leader for decision-making on funding the project*).

in Russian (a separate file) and in English

⁴⁵ This item is not mandatory. Publications demonstrating scientific qualifications and achievements may be cited apart from publications listed on line 2.9 of the present form.

⁴⁶ i.e., the proportion of full-time employment under an employment contract or civil and law relations. Thus, employment in spare time from main work must also be taken into account.

⁴⁷ Under Article 8 of the competition documentation, the employment contract with the project leader may not be a remote work contract.

⁴⁸ A single .pdf file, up to 3 Mb.

I have read and agree with the terms (including Article 6 and 7 of the competition documentation) of the Russian Science Foundation's competition. I confirm my participation in the project.

Full name	
Identification document⁴⁹ <i>(type, number, issue date, issuing authority)</i>	
Home address	
Personal Data Operator	Russian Science Foundation

I consent⁵⁰ to processing of the personal data I have personally provided on the present application form. Processing of the above-stated personal data by the Russian Science Foundation (address: 12–14 Solyanka St., bldg. 3, Moscow) may be carried out **in the form of** collecting, systematizing, accumulating, storing, specifying, using, blocking, distributing the data on the official website of the Russian Science Foundation, transferring and destroying, **for the purpose** of conducting expert assessments of applications for competitions held by the Russian Science Foundation, of conducting expert assessments of projects and programmes funded by the Russian Science Foundation, specifying preparation of analytical materials about the competitions, long-term storage of documented information on participants in programmes that received funding from the Russian Science Foundation; accessible disclosure of information on the leaders of programmes and projects funded by the Russian Science Foundation. This processing of my data may be carried out for 75 years from the completion date of this form in print. Storage of this form may be entrusted to OOO RAYSVOLF (22 Boitsovaya St., Moscow, 107150), which provides the Russian Scientific Foundation with archival document storage services. This consent may be revoked by filing a request to terminate processing of personal data to the address specified above. The application should contain the number of the document certifying the identity of the personal data subject; information on the issue date of that document and the issuing body, as well as the personal signature of the subject of personal data.

Signature of the project leader

Date of signature

⁴⁹ Failure to submit details of the identification document constitutes grounds for the application not being accepted for the competition.

⁵⁰ Completion of this information is mandatory under Federal Law No. 152-FZ dated 27 July 2006.

Information about a project core investigator⁵¹

- 2.2. Surname, name and patronymic (if available)
in Russian
surname and initials in English
WoS ResearcherID⁵² (if applicable)
Scopus AuthorID⁵³ (if applicable)
- 2.2. Date of birth (given in figures - date, month, year)
- 2.3. Citizenship
- 2.4. Academic degree,⁵⁴ year conferred
- 2.5. Awards and prizes for scientific activities, membership in leading scientific communities (if applicable), involvement on the editorial boards of leading peer-reviewed scientific journals (if applicable).
- 2.6. Main place of employment when the application is submitted: position and full name of the organization (abbreviated name of the organization).
- 2.7. Area of scientific interests: keywords (no more than 15 keywords)
in Russian
in English
- 2.8. Area of scientific interests: Foundation classification codes
- 2.9. Total number of publications over the period from 1 January 2016: ____, of these: ____ in journals indexed in the Web of Science Core Collection or Scopus.
- 2.10. List of publications of the core investigator since 1 January 2016
(monographs, legally protected results of intellectual activity, publications in leading peer-reviewed scientific titles, publications indexed in the Web of Science Core Collection or Scopus; no more than ten publications are to be given; if published on the Internet, a link should be provided (mandatory for publications in indexed journals); specify the impact factor of the scientific journal (according to the JCR Science Edition or JCR Social Sciences Edition), if applicable).
*in English*⁵⁵
- 2.11. Research project experience (specify the name of the foundations (organizations), form of participation, numbers, project titles and completion periods for the last five years).
- 2.12. Planned involvement in research projects (in any position) in 20201 Total number: ____, including: as leader: _____, as investigator: _____, specifically:

(also specify the grantors or project customers and funding sources, for example - government task of a founder, grants from the RFBR, PRF, RSF and other foundations, government contract (customer, programme), other economic contract and other grants and subsidies).
- 2.13. The proportion of working time to be devoted to management of this project if

⁵¹ This form is filled out only by the core investigators listed in Form "C" (up to three persons).

⁵² May be obtained by registering at www.ResearcherID.com.

⁵³ Scopus AuthorID is generated in Scopus automatically as soon as there is at least one publication by the author in this database. AuthorID is available in the author's profile accessible by searching for the author in the Scopus database and clicking on their name.

⁵⁴ If there are multiple academic degrees, specify the one that best matches the subject matter of the project.

⁵⁵ For Russian language titles, the information is to be given in Russian with an English translation. It must also be clear that the same document is being cited (for example, add the word "translation").

- the application is supported: _____ per cent.⁵⁶
- 2.14. Involvement in educational activities in the last five years (*specify information about supervising post-graduate students, junior assistances, interns, residents; developing and teaching new courses at Russian and foreign universities*).
- 2.15. In 2019 or 2020, participated as project leader (leader of a comprehensive scientific programme of an organization) in the projects financed by the Foundation:
 Have been or am acting as leader of a project (or projects)⁵⁷ No. ____, No. _____.
 Have been or am acting as core investigator of a project (projects) No. ____, No. ____.
- 2.16. Contact telephone number, email
- 2.17. Involvement in the project: Core investigator

I have read and agree with the terms (including Articles 7 and 8 of the competition documentation) of the Foundation's competition. I confirm my participation in the project.

Full name	
Identification document⁵⁸ <i>(type, number, issue date, issuing authority)</i>	
Home address	
Personal Data Operator	Russian Science Foundation

I consent⁵⁹ to processing of the personal data I have personally provided on the present application form. Processing of the above-stated personal data by the Russian Science Foundation (address: 12–14 Solyanka St., bldg. 3, Moscow) may be carried out **in the form of** collecting, systematizing, accumulating, storing, specifying, using, blocking, distributing the data on the official website of the Russian Science Foundation, transferring and destroying, **for the purpose** of conducting expert assessments of applications for competitions held by the Russian Science Foundation, of conducting expert assessments of projects and programmes funded by the Russian Science Foundation, specifying preparation of analytical materials about the competitions, long-term storage of documented information on participants in programmes that received funding from the Russian Science Foundation; accessible disclosure of information on the leaders of programmes and projects funded by the Russian Science Foundation. This processing of my data may be carried out for 75 years from the completion date of this form in print. Storage of this form may be entrusted to OOO RAYSVOLF (22 Boitsovaya St., Moscow, 107150), which provides the Russian Scientific Foundation with archival document storage services. This consent may be revoked by filing a request to terminate processing of personal data to the address specified above. The application should contain the number of the document certifying the identity of the personal data subject; information on the issue date of that document and the issuing body, as well as the personal signature of the subject of personal data.

Signature of the core investigator

Date of signature

⁵⁶ i.e., the proportion of full-time employment under an employment contract or civil and law relations. Therefore, employment in spare time from main work must also be taken into account.

⁵⁷ Or the leader of a comprehensive scientific programme of an organization.

⁵⁸ Failure to submit data of the identification document constitutes grounds for the application not being accepted for the competition.

⁵⁹ Filling in this information is mandatory under Federal Law No. 152-FZ dated 27 July 2006.

Information about the organization

(given for the organization via which funding is provided)

- 3.1. Full name (*in accordance with the registration documents*)
- 3.2. Abbreviated name
- 3.3. Name in English
- 3.4. Form of incorporation (*indicate as in the OKOPF*)
- 3.5. Ownership form (*indicate as in the OKFS*)
- 3.6. Departmental affiliation
- 3.7. TIN, KPP, OGRN, OKTMO
- 3.8. Address
- 3.9. Location
- 3.10. Constituent entity of the Russian Federation
- 3.11 Position, full name of the head of the organization
- 3.12. Contact telephone number
- 3.13. Email

The head of the organization confirms that:

- they have read the terms of the Foundation's competition and consent to the funding of the project via the organization if it is supported;
- they agree to Articles 8, 14, 33, 35 and 36 of the competition documentation, other terms of the competition;
- they confirm the information⁶⁰ on the project leader contained in this application;
- the organization will meet the obligations to pay taxes to all budgets and mandatory payments to public extra-budgetary funds, is financially reliable, is not in the process of liquidation, has not been declared insolvent (bankrupt), does not have seized property and its economic activities have not been suspended;
- in the event the application is supported by the Foundation, the organization will undertake the following obligations:
 - to conclude civil and law or employment (fixed-term) contracts⁶¹ with the members of the research team (the employment agreement with the project leader may not be a remote work contract);
 - upon instructions from the project leader, to pay the research team members remuneration for conducting work on the project;
 - to submit the annual scientific report and the financial report on targeted use of the grant within the established deadlines;
 - to consider placing the project leader in the organization's talent pool (if applicable).

The head of the organization guarantees that:

- remuneration for working on the project will be paid annually to each research team member;
- the total annual remuneration of a research team member will not exceed 30 per cent of the annual remuneration of all research team members⁶²;

⁶⁰ Including information on date of birth, academic degree.

⁶¹ If such contracts have not been concluded previously. If a member of the research team is not a citizen of the Russian Federation, the organization must comply with all procedures under the relevant legislation of the Russian Federation when employing foreign nationals.

⁶² Including guarantees established by the legislation of the Russian Federation, deductions on insurance premiums for mandatory pension insurance, for mandatory medical insurance and for mandatory social insurance in the event of temporary disability and due to maternity and for mandatory social insurance against industrial accidents and occupational diseases.

- the total annual remuneration to research team members up to and including 39 years of age will account for at least 70 per cent of the annual remuneration for all research team members;
- the total number of members of the Russian research team (together with the project leader) will not exceed eight, and the organization employee who is the immediate administrative superior of the project leader will not be a team member; the team will be provided with a facility and granted access to the available experimental base for carrying out the research.

Signature of the head of the organization (authorized representative acting on the basis of a power of attorney or executive document)⁶³ and **seal of the organization** (if applicable).

⁶³ If the form is signed by an authorized representative of the organization (including the head of a branch), a copy of the appropriate power of attorney or the executive document (authenticated by the seal of the organization if available) is attached to the hard copy of the application.

Scope of project

- 4.1. Scientific problem to be resolved by the project
in Russian
in English
- 4.2. Scientific significance and relevance of resolving the problem
in Russian
in English
- 4.3. Specific objective (objectives) within the problem that the project is intended to resolve and its scope and comprehensiveness
in Russian
in English
- 4.4. Scientific novelty of the research, substantiation of achievability of the solution to the objective (objectives) and feasibility of obtaining the anticipated results
in Russian
in English
- 4.5. Current state of research on the problem and the main areas of research in international science, main international scientific competitors
in Russian
in English
- 4.6. Proposed methods and approaches, general work plan for the entire project period and the anticipated results (*at least two pages; including an indication of the specific anticipated results by year; the general plan is given broken down by year*)
in Russian
in English
- 4.7. The scientific groundwork on the project at the disposal of the research team, experience in collaborative project implementation (*specify previously obtained results, as well as programmes and methods developed*)
- 4.8. List of equipment, materials, information and other resources available to the research team for completing the project (*including a description of the need to use them for implementing the project*).
- 4.9. The work plan of the research team for the first year of implementation (*also specify business trips (expeditions) planned as part of the project*).
in Russian
in English
- 4.10. Planned scope of work for the first year for each core investigator of the project (*including the project leader*).
- 4.11. Specific scientific results anticipated at the end of the first year (*the presentation format must make it possible to conduct an expert assessment of the results and assess the degree of completion stated in the draft work plan*).
in Russian
in English
- 4.12. List of equipment, materials, information and other resources for the project's implementation to be acquired by the research team using the Foundation's grant (*including a description of the need to use them for project implementation*).

4.13. File⁶⁴ with additional information 1⁶⁵.

4.14. File⁶⁶ with additional information 2 (if the information given in file 1 proves insufficient).

Signature of the project leader

⁶⁴ With diagrams, photos, drawings and other information about the project scope. A single .pdf file, up to 3 Mb.

⁶⁵ The text in files with additional information must be provided in Russian. An English translation is required if the project leader deems this information to be significant for the expert.

⁶⁶ With diagrams, photos, drawings and other information about the project scope. A single .pdf file, up to 3 Mb.

Requested funding for 2021

5.1. Planned project expenditures

No.	Grant expenditure designation	Expenditures (thousand roubles ⁶⁷)
	TOTAL	
	Remuneration for research team members (including insurance premium payments to extra-budgetary funds, not taking into account “support personnel” category)	
	Remuneration for “support personnel” (including insurance premium payments to extra-budgetary funds)	
1.	Total remuneration (including insurance premium payments to extra-budgetary funds)	
2.	Payment for the services of third party organizations for implementing the research project ⁶⁸	
3.	Expenditures on purchasing equipment and other property required for the research (including installation, commissioning, employee training and repairs ⁶⁹)	
4.	Expenditures on purchasing materials and components for the research	
5.	Other expenditures for implementing the project	
6.	Organization’s overheads ⁷⁰	

5.2. Breakdown of planned expenditures

for item 1 - the remuneration (including the leader, core investigators and other team members hired to perform work on the project), including the guarantees established by the legislation of the Russian Federation, deductions on insurance premiums for mandatory pension insurance, for mandatory medical insurance and for mandatory social insurance in the event of temporary disability and in connection with maternity and for mandatory social insurance against industrial accidents and occupational diseases;

for item 2 - a list is provided of planned contracts (accounts) with third party organizations indicating the subject and amount of each contract.

for item 3 - a list of equipment and other property to be purchased and required for the research.

for item 4 - a breakdown of the planned materials and components (in accordance with Article 4.12 of Form 4 of Appendix 1).

*for item 5 - other expenditures on implementing the project, including for business trips, payments for communication services and transport services; expenditures **are not broken down and not substantiated.***

*for item 6 - expenditures **are not broken down and not substantiated.***

Signature of the project leader

⁶⁷ Without separators, with one decimal place.

⁶⁸ No more than 15 per cent of the grant.

⁶⁹ Not related to the ongoing research activities of the organization.

⁷⁰ No more than 10 per cent of the grant.

Signature of the head of the organization (authorized representative acting on the basis of a power of attorney or an executive document)⁷¹ and **seal of the organization.**

⁷¹ If the form is signed by the authorized representative of the organization (including the head of a branch), a copy of the appropriate power of attorney or the executive document (authenticated by the seal of the organization if available) is attached to the hard copy of the application.