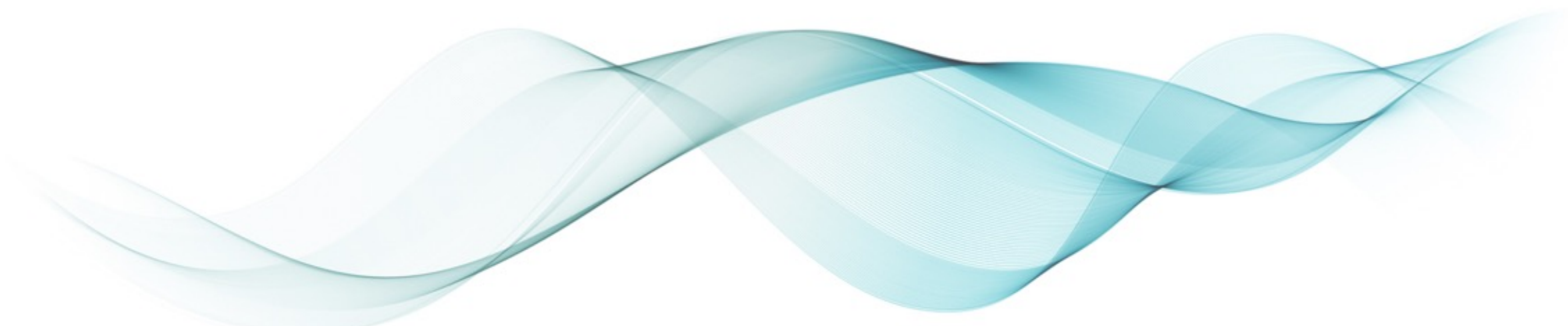


REPORT ON THE RESULTS OF THE FOUNDATION'S ACTIVITIES 2022



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2. Operations Report
3. Fundraising and Financials
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1. EXECUTIVE SUMMARY

FOUNDATION'S ACTIVITIES IN 2022

COMPETITIONS AND GRANTS

Clinical Trial Workshop for Young Oncologists
(jointly with RUSSCO): February 02-04, 2022

Winner (see slide 7):

- Maria Berkut: 496 260 RUR ([project summary](#))

Competition of Research Projects: May 05 – November 15, 2022
RFP: 2022-01

Winner (see slide 8):

- Nikolay Tsvetkov: 735 636 RUR ([project summary](#))

TEAM

Boards: - Directors: 3; - Trustees: 5; - Scientific Advisors: 16

Employees: Director of the Foundation, project coordinator, and a team of volunteers

[Meet RakFond's team on rakfond.org](https://rakfond.org)

FINANCIALS

Total funds raised : 3 084 219 RUR

- Corporate 361 500 RUR
- Individuals 1 093 686 RUR
- Non-profit "Nuzhna Pomosh" 530 358 RUR
- Meet for Charity Auctions 156 000 RUR
- Presidential Grant Fund 904 733 RUR
- Other* 37 942 RUR

Expenditures: 4 603 632 RUR

- Research Grants: 1 637 896 RUR
- Events and awareness programs: 2 041 364 RUR
- Administrative: 924 372 RUR
- including payroll: 701 553 RUR

* including return of the grant (Grant Agreement 2/2020) – 13 619 RUR and return of the grant from the Presidential Grant Fund – 24 323 RUR

2. OPERATIONS REPORT

SCIENTIFIC RESEARCH SUPPORT

EDUCATIONAL COURSE	RAKFOND, ASCO, AND RUSSCO CLINICAL TRIAL WORKSHOP FOR YOUNG ONCOLOGISTS
Funding opportunity	Winner of the Workshop Competition. RakFond and RUSSCO Joint Grant.
Grantee	Maria Berkut (see slide 7)
RFP: 2022-01 Completed <ul style="list-style-type: none"> • Pre-registration required • Application limited to 7 pages 	RAKFOND'S COMPETITION OF RESEARCH PROJECTS IN ONCOLOGY 1. Clinical trials: interventional, randomized (preferred), in cancer prevention, diagnostics, monitoring, and treatment, rehabilitation and quality of life. 2. Translational studies: discovery and research of diagnostic and prognostic biomarkers, treatment selection. 3. Basic research.
Budget	up to 800 000 RUR (inclusively)
Timeline	Applications open date: May 5, 2022 Applications due date: September 15, 2022 Notice of award: November 15, 2022
Results	Overall, 10 applications were submitted, 8 of them were sent for scientific review.
Winner	Nikolay Tsvetkov (see slide 8)

RAKFOND AND RUSSCO JOINT GRANT

Winner of the Clinical Trial Workshop for Young Oncologists Competition



Maria Berkut

N.N. Petrov National Medical Research Center for Oncology
(Saint-Petersburg)

Project: Multicentral Prophylactic Antibiotics after Cystectomy within enhanced recovery after Surgery (MACS trial)

Funding: 496 260 RUR

Description: <https://www.rakfond.org/>

COMPETITION OF RESEARCH PROJECTS IN ONCOLOGY WINNER

RFP 2022-01



Nikolay Tsvetkov

I.P. Pavlov First Saint-Petersburg State Medical University

Project: Evaluation of the effect of the drug luspatercept on the bone marrow microenvironment in patients with myelodysplastic syndrome in the context of allogeneic bone marrow transplantation in order to search for potential methods of preventing graft failure and poor graft function

Funding: 735 636 RUR

Description: <https://www.rakfond.org/>

RESULTS OF SUPPORTED RESEARCH



Search for the markers of microsatellite instability that are diagnostically significant in aggressive lymphomas

Yana Mangasarova
National Medical Research Center for
Hematology (Moscow)

Detailed study results: <https://www.rakfond.org/>

With the support of RakFond ([2020-02](#)), **for the first time in the world, the frequency of genomic instability markers** (MSI, LOH, and EMAST) in tumor cells of patients with PMLBCL* and DLBCL** at the onset of the disease was analyzed. For patients with PMLBCL, the association with immunohistochemical data and the correlation with response to therapy were assessed. It was demonstrated that the loss of heterozygosity was detected in 37 of 72 patients (51.4%). EMAST was detected in 40 patients (55.5%); in 24 of them in combination with LOH. There was no significant statistical effect of LOH/EMAST status on patient survival. This fact may be due to the small number of failures of the highly effective PET-adapted treatment protocol. As a result of the completed research project, the conclusion was made that **a revision of the diagnostic panel and a search for markers of genomic instability for PMBCL are warranted.**

The study continued with the **development of individual panels** to assess microsatellite instability and the **registration of a new randomized multicenter study** of the efficacy and safety of a combination of checkpoint inhibitors with immunochemotherapy in patients with PMLBCL.

RESULTS OF SUPPORTED RESEARCH

The research of multifocal breast biopsy effectiveness in patients with complete clinical response (cCR) after neoadjuvant chemotherapy in order to refuse surgery in complex treatment of breast cancer patients



Daria Bagdasarova
P.A. Herzen Moscow Cancer Research
Institute – the branch of the Federal State
Budgetary Institution “National Medical
Research Center of Radiology” (Moscow)

Detailed study results:
<https://www.rakfond.org/>

According to the pathomorphological examination, a multifocal tumor biopsy revealed 1 true positive, 16 true negative, 5 false negative (23.8%), and 0 false positive results. The overall sensitivity of the method was 16.7%; specificity – 100.0%. The overall diagnostic accuracy of the method was 77.2%. The relatively low sensitivity of the technique is due to the high rate of false negative results (n=5, 23.8%).

The main problem that was identified during the study was the insufficient amount of material obtained through multifocal biopsy with needle sizes (G12-14). The false-negative result was 23.8%, which at the moment does not allow us to be confident in the reliability of the multifocal biopsy method to predict the pathomorphological response. However, the study allowed to clarify the indisputable prospect of determining the pathomorphological response by minimally invasive procedures without surgical treatment. Therefore, consideration should be given to obtaining larger sample volumes using other biopsy techniques, such as vacuum aspiration biopsy.

CLINICAL TRIAL WORKSHOP FOR YOUNG ONCOLOGISTS

Clinical Trial Workshop for Young Oncologists is an educational course consisting of lectures and practical sessions, with the preliminary selection of participants by RakFond's experts based on synopses of study protocols submitted to the competition. The course, held jointly with ASCO and RUSSCO, was successfully carried out with the support of the Presidential Grants Fund in February 2022. During the Workshop, the intensive training of selected participants and preparation of clinical study protocols took place with the participation of leading oncologists and statisticians. This is a unique experience for novice investigators who had the opportunity not only to listen to lectures from world experts but also to develop at first-hand their own protocols with mentors, resulting in a ready-made tool for initiating the study.

CLINICAL TRIAL WORKSHOP

for Young Oncologists

Moscow, February 02 - 04, 2022



ASCO®

AMERICAN SOCIETY OF CLINICAL ONCOLOGY
KNOWLEDGE CONQUERS CANCER



According to the feedback forms received from the participants, on average, they the school was rated more than 9 points out of a maximum of 10. The participants rated the practical sessions most highly and are very likely to be willing to further participate in similar educational courses, as well as recommend such events to colleagues. On average, participants rated their likelihood of initiating their own clinical studies within 1–2 years as 80%.

[workshop website](#)

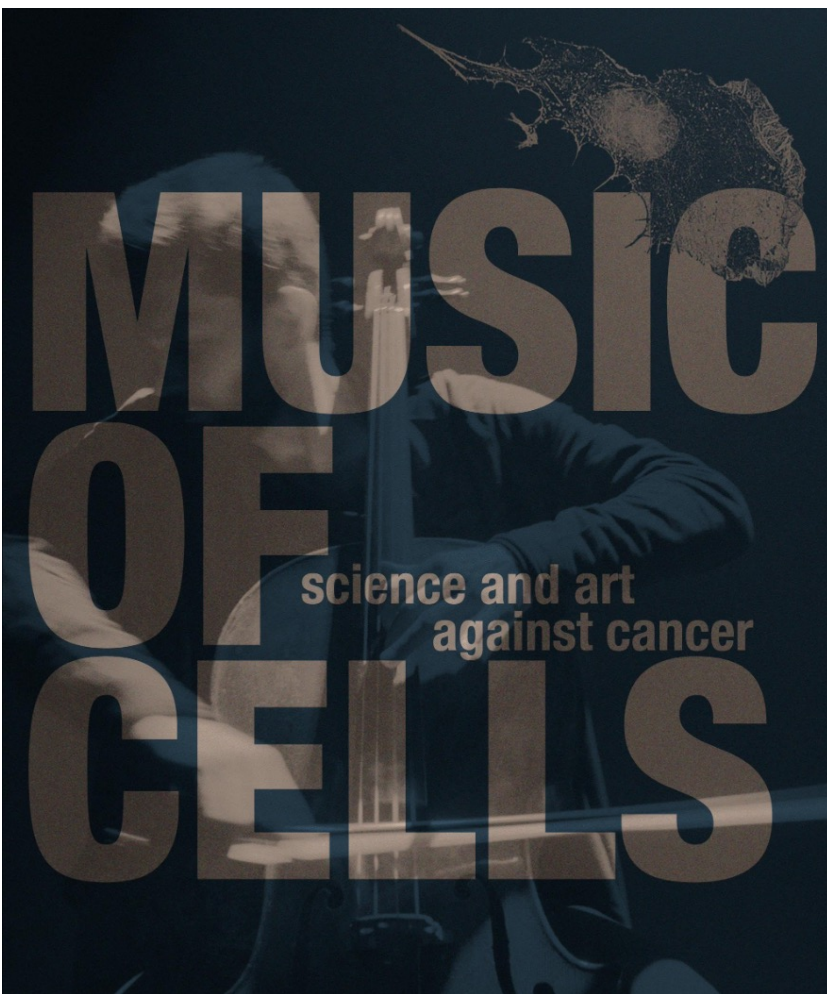
WORKSHOP RESULTS

- ✓ **52 applications** for the educational course were received.
- ✓ 25 participants of the Workshop were selected – those who presented the drafts of a study protocol synopsis with the greatest scientific potential.
- ✓ The educational course was attended by **62 participants** (25 young investigators; 26 speakers; 7 mentors in statistics; and 5 expert jury members), as well as by online participants of the educational part of the course.
- ✓ During the Workshop, participants developed the final clinical study protocol synopses.
- ✓ As a result of the educational course “Clinical Trial Workshop for Young Oncologists,” **14 participants** of the Workshop presented the final clinical study protocol synopses for consideration of the expert jury.
- ✓ Based on the results of evaluation of the submitted projects in accordance with the established criteria, a joint grant from RakFond and RUSSCO (total funding of **500,000 RUR**) was awarded to **Maria Berkut** (a surgeon, oncologist, and investigator at the department of oncurology of the N.N. Petrov National Medical Research Center for Oncology, St. Petersburg) to conduct the research project «Multicentral Prophylactic Antibiotics after Cystectomy within enhanced recovery after Surgery (MACS trial)».

The recordings of lectures are available [on YouTube](#)



DOCUMENTARY «MUSIC OF CELLS»



IN SEPTEMBER 2022, THE DOCUMENTARY "MUSIC OF CELLS" WAS PREMIERED [ON YOUTUBE](#).

Over the year, the cellist, composer, and filming curator Georgy Gusev, together with the founder of RakFond, hematologist Kristina Zakurdaeva, MD, PhD met with scientists, doctors, and patients from different countries to discuss the most relevant and interesting topics in the development of modern science, latest advances in the diagnosis and treatment of cancer. The result of these conversations was not just a documentary film, but an educational project - "Music of Cells".

Cancer has been known throughout the history of humanity, but today it is taking on new dimensions. Why is this so, what awaits us, and will ever the day come when cancer will be defeated? The participants of the documentary try to address these and many other questions.

Why were science and art united? Because thanks to the language of art, we can most clearly talk about most challenging questions that are of concern for modern society and the answers to which science is ready to seek. Music of Cells is not only an attempt to highlight a serious problem, but also a call for cohesive, collaborative work of the entire global scientific community and the involvement of all engaged people.

The amazingly beautiful world of cells, like music, strives for harmony. A score specially written for the film by Georgy Gusev will allow you to hear the encrypted code of the human genome - the motive of the music of our cells.

[watch documentary "MUSIC OF CELLS"](#)

EVENTS



ON NOVEMBER 16, 2022 A JOINT LECTURE “CLINICAL STUDIES – THE BASIS OF PROGRESS IN THE TREATMENT OF MALIGNANT TUMORS” (PROFESSOR ROBERT PETER GALE, USA) WAS HELD BY RUSSCO AND RAKFOND.

The lecture took place in frames of the [XXVI Russian Oncology Congress](#) (November 15-17, 2022, Moscow). The Congress was held at the international exhibition center Crocus Expo, in a hybrid format with the broadcasting of some sessions.

[watch the lecture](#)



SAVITSKY AWARD

IN FRAMES OF THE V ANNIVERSARY INTERNATIONAL FORUM “FOR LIFE”, THE AWARDING CEREMONY NAMED AFTER ACADEMCIAN A.I. SAVITSKY FOR ACHIEVEMENTS IN THE FIELD OF ONCOLOGY AND RADIOLOGY WAS HELD.

Recognition was given to medical specialists, medical institutions, and public organizations that demonstrated excellent results in the fight against cancer.

The RakFond project “Clinical Trial Workshop for Young Oncologists” became an award nominee in the “Best Educational Project” category. In the “Breakthrough of the Year” category, awards were given to the medical organizations. The winner was the National Medical Research Center for Hematology with the project of a hematologist, head of the observational department O. A. Aleshina “**Observational study of the new coronavirus infection COVID-19 in patients with hematological diseases**” (supported by RakFond). The study results will help hematologists and internists make decisions regarding the approach to the prevention and treatment of this group of patients.

INFORMATIONAL MATERIALS



PERUVIAN MUMMY WITH OSTEOSARCOMA, FOX LUNG CURE, CONTAGIOUS CANCER, RADIATION AND IMMUNOTHERAPY – HISTORY OF CANCER RESEARCH FROM ANCIENT TIMES TO THE PRESENT: JOINT PROJECT OF RAKFOND* AND ARZAMAS.ACADEMY

* The project was created with the support of the non-profit “Takie Dela” grant named after Andrey Pavlenko, received in 2021

[Telling the story of cancer - from Peruvian mummies and Herodotus to the discoveries of Marie and Pierre Curie and immunotherapy](#)

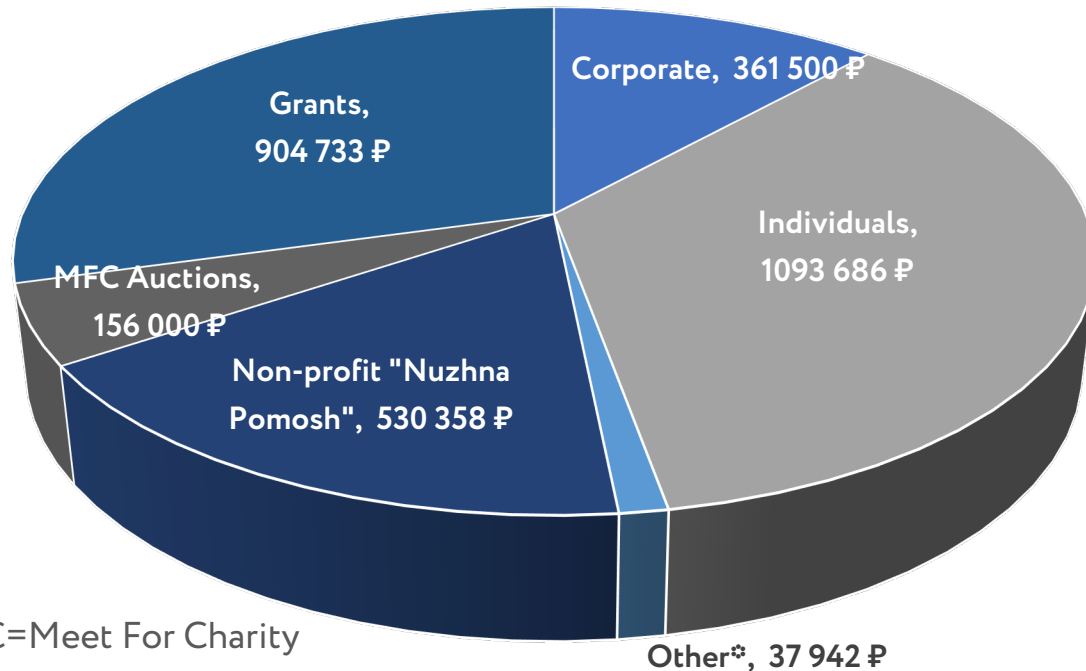
3. FUNDRAISING & FINANCIALS

FINANCIAL REPORT 2022

Total funds raised in 2022: 3 084 219 RUR

Expenditures: 4 603 632 RUR

FUNDING BY SOURCE



MFC=Meet For Charity

* including return of the grant (Grant Agreement 2/2020) – 13 619 RUR and return of the grant from the Presidential Grant Fund – 24 323 RUR

1. Research funding – 1 637 896 RUR

- ✓ [Research Grant 2020-02](#) – 29 000 RUR
- ✓ [Research Grant 2021-01](#) – 377 000 RUR
- ✓ [Research Grant 2022-01](#) – 735 636 RUR
- ✓ [Research Grant to the Winner of the Clinical Trial Workshop for Young Oncologists Competition](#) – 496 260 RUR

2. Clinical Trial Workshop for Young Oncologists – 1 841 364 RUR

3. Joint Project with Arzamas (History of Cancer) - 200 000 RUR

4. Administrative Expenses – 924 372 RUR

- payroll – 701 553 RUR
- accounting and legal support – 103 500 RUR
- development of the website personal account – 55 000 RUR
- rent – 36 000 RUR
- audit – 25 542 RUR
- banking – 2 777 RUR

[FULL REPORT ON FUNDRAISING AND EXPENDITURES](#)

4. PARTNERS

✓ **ПРОВЕРЕНО ФОНДОМ
«НУЖНА ПОМОЩЬ»**

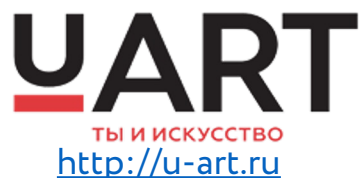
OUR PARTNERS



Strategic
Partnership
rosoncweb.ru



Information Support and Education
<https://consilium-scientific.org>



Fundraising
nuzhnapomosh.ru/



Professional selection of
volunteers for hire
procharity.ru



MEET FOR CHARITY
Fundraising
meetforcharity.today



Volunteer
Fundraising
<https://www.fc-impuls.com>



Online platform for clinical trials
management
enrollme.ru



Joint competition
sci-store.ru



adminvps.ru



goshprojects.org



unim.su



oct-clinicaltrials.com



dm-matrix.com



exactelabs.com



nomia.net



<https://yourbestskincare.ru>

RAKFOND TURNS 5!

IN 2022, RAKFOND CELEBRATED THE FIRST ANNIVERSARY 5 YEARS!

And for us, this is a great opportunity to **THANK ALL** our donors and partners for their support – without you, the Foundation’s activities would be impossible. Thank you for helping us support cancer research for five years. During this time, we held 7 competitions of research projects in oncology and, thanks to you, supported 9 studies – 5 of them have already been completed, 4 are still ongoing. The total amount of awarded grants exceeded 3.5 million rubles! We greatly appreciate your input. Without research and efforts to learn more about cancer, no progress in treatment or prevention of this disease is possible. Thanks to your help, Russian researchers have an opportunity to explore more, and doctors – prospect to diagnose and treat more effectively. For five years, RakFond has supported research projects aimed at finding new medicines, methods for diagnosis, prevention, and treatment of cancer. We really hope that we will have new results ahead that will directly affect the quality and results of medical care for cancer patients in Russia. And we hope that you, our friends, – partners, donors, and volunteers – will continue to be with us on this challenging, but crucially important path for millions of people – to defeat cancer.

НАМ 5 ЛЕТ!



rakfond.org



Приближая день, когда
рак будет побежден

CONTACTS

E-mail: info@rakfond.org

Foundation's Director:

Yuliya Atamanyuk | director@rakfond.org

Founder and Chair of the Board of Directors:

Kristina Zakurdaeva | christina@rakfond.org

Funding & Partnerships:

| finance@rakfond.org

Funding programs

| grant@rakfond.org

Volunteering:

Maria Shevchenko | volunteer@rakfond.org

Media and public relationships:

| media@rakfond.org



rakfond.org/en

CANCER foundation

Advancing the Day when
Cancer is Defeated



RakFond



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