

## NCP «BIOTECHNOLOGY» Newsletter , 2017



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# Open Calls

## Fasie-Tekes Call

Last date (FASIE) 1 March, 2018

TEKES 16 February, 2018



## Tekes

**Finnish-Russian call for SMEs** Tekes and FASIE (the Foundation for Assistance to Small Innovative Enterprises) are opening the 8th call for proposals for SME companies in Finland and Russia. The call offers Finnish SMEs an outstanding

opportunity to start cooperation with Russian companies.

Joint projects must include at least one company from each country. The goal is to launch market-oriented research and development projects that develop innovative products and services. The Finnish participant is funded by Tekes, and the Russian participant by FASIE.

More: <https://www.tekes.fi/en/whats-going-on/application-schedules-2017/finnish-russian-call-for-smes/>



## RSF-Helmholtz association Call

Last date: 30 December, 2017

Open public competition to receive grants from the Russian Science Foundation for the priority area of the Russian Science Foundation's activity "Basic research and applied research conducted by international research teams".

The grants shall be allocated for scientific and technical programmes and projects, basic research and applied research (hereinafter the projects, research) in 2018-2020 for the following branches of knowledge: Mathematics, computer science and systems sciences

Physics and space sciences

- Chemistry and materials science
- Biology and life sciences
- Basic research for medicine Agricultural sciences
- Earth sciences
- Engineering.

The project should be related to the solution of the particular research tasks in one of the following thematic areas within the context of socio-economic development: Climate Research, Energy Storage and Grid Integration. The expected research results shall be world-class making a significant contribution to the solution of key problems of these thematic areas

More: [http://www.rscf.ru/sites/default/files/docfiles/Announcement\\_026\\_0.pdf](http://www.rscf.ru/sites/default/files/docfiles/Announcement_026_0.pdf)



## BRICS STI Framework Programme Coordinated call for BRICS multilateral projects 2017

Last date: 27 December, 2017

Russian participants 19 January 2018

The BRICS STI Framework Programme aims to support excellent research on priority areas which can best be addressed by a multinational approach. The initiative should facilitate cooperation among the

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researchers and institutions in the consortia which consist of partners from at least three of the BRICS countries.

As part of the initiative the following research funding organizations from the BRICS countries have agreed to jointly establish a new scheme for funding multilateral cooperative activities:

Brazil: National Council for Scientific and Technological Development (CNPq)

Russia: Foundation for Assistance to Small Innovative Enterprises (FASIE)

Ministry of Education and Science (MON)

Russian Foundation for Basic Research (RFBR)

India: Department of Science and Technology (DST)

China: Ministry of Science and Technology (MOST)

National Natural Science Foundation of China (NSFC)

South Africa: Department of Science and Technology (DST) National Research Foundation (NRF)

More: <http://brics-sti.org/index.php?p=opportunities/2nd+BRICS+Call+2017>

<http://ams.rfbr.ru/BRICS/>

<http://fasie.ru/press/fund/zayavki-na-mnogostoronniy-konkurs-v-ramkakh-programmy-brics-prinimayutsya-do-19-yanvarya-2018-goda/>



## SC1-BHC-21-2018: Research on HIV, tuberculosis (TB) and/or hepatitis C (HCV) in patients with mono-, co-infections and/or comorbidities in the context of fostering collaboration with the Russian Federation

**Last date: May 15, 2018**

Proposals should address one or more of the following subtopics:

1. TB: To investigate biomarkers or new diagnostic tests for early screening of TB risk groups for TB infection and identification of antimicrobial drug resistance.
2. HIV: To investigate the susceptibility to HIV and/or disease progression rate after infection, including various HIV subtypes and/or transmission clusters, and/or the development of adverse effects during antiretroviral therapy and concomitant diseases (co morbidities and/or co-infections, including with tuberculosis).
3. HCV: To evaluate the genetic determinants of the virus and the host, and co morbid conditions that can be involved in disease progression and create the basis for the development of future HCV treatment strategies.

In performing the research agenda to address one (or more) of the listed subtopics, the applicants might make use of already established European cohort networks or establish new collaborations thus widening their geographical scope and include HIV, HCV and/or TB mono or co-infected individuals and perform retrospective or prospective studies. Proposed actions should take into consideration vulnerable groups and target populations, which may include, but not limited to: ageing subjects, injecting drug users and other social risk groups. Sex and gender differences should be taken into account where relevant. Due to the specific challenge of this topic, in addition to the minimum number of participants set out in the General Annexes, proposals shall include at least one participant from the Russian Federation. Also, the duration of the proposed action cannot exceed 24 months (until end of 2020), with a foreseen start of the action no later than 1 January 2019.

More: <http://www.h2020-health.ru/ru/competition-ru-eu>,

[http://www.fcpir.ru/participation\\_in\\_program/contests/list\\_of\\_contests/1\\_published/2019-14-588-0001/](http://www.fcpir.ru/participation_in_program/contests/list_of_contests/1_published/2019-14-588-0001/)

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# News



## Work Programme 2018-2020 of Horizon2020, the EU's Research and Innovation funding programme, was launched by the European Commission

On 27 October 2017, the European Commission presented the final Work Programme for Horizon

2020, covering the budgetary years 2018, 2019 and 2020 and representing an investment of around €30 billion.

Horizon 2020 is the largest multinational programme dedicated to research & innovation and it is "open to the world". This means that researchers, universities, research organisations, companies and non-governmental organisations from across the globe can apply to participate in the activities of the Work Programme carried out mainly through calls for proposals.

[http://europa.eu/rapid/press-release\\_IP-17-4122\\_en.htm](http://europa.eu/rapid/press-release_IP-17-4122_en.htm)

Find your area to join research <https://ec.europa.eu/programmes/horizon2020/en/find-your-area>



## Winners of the sixth competition for receiving “megagrants” have been announced

Attraction of the leading scientists to Russian institutions of higher learning, research organizations of the governmental academies of sciences, and governmental research centers of the Russian Federation

On November 27, 2017 the Grant Board of the Government of the Russian Federation announced the names of 35 leading scientists who had won the sixth open grant competition of the Government of the Russian Federation. The grant competition was established to provide governmental support to scientific research projects implemented under the supervision of the world's leading scientists at Russian universities, research institutions of the governmental academies of sciences and governmental research centers of the Russian Federation.

The grants of the Government of the Russian Federation are allocated to the extent of 90 million rubles each for conducting scientific researches for 3 years (2018 – 2020). The participants of the competition can be Russian universities and scientific organizations in cooperation with foreign and Russian leading scientists who have a leading position in a specific field of sciences (natural and exact sciences; engineering and technology; medical sciences and health sciences; agricultural sciences; social sciences; humanities). A leading scientist can participate only in one grant; the number of projects undertaken by one University or scientific organization is not limited.

The winners are leading scientists from 12 countries of the world, including the USA, France, Canada, Italy, Germany, India, Great Britain, Israel and others. 11 scientists among the winners are Russian citizens.

Scientific researches of 35 winners will be conducted on the basis of 28 Russian universities and scientific institutions.

In the sixth open grant competition the list of the organizations of the winners has considerably expanded – 12 educational and scientific organizations received their first "megagrants":

- Don State Technical University <https://donstu.ru/en/> ;
  - Nosov Magnitogorsk State Technical University <http://en.magtu.ru/> ;
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- Moscow State Institute of International Relations (University) of the Ministry of Foreign Affairs of the Russian Federation <http://english.mgimo.ru/basic-facts> ;
- The Russian Presidential Academy of National Economy and Public Administration <http://www.ranepa.ru/eng/> ;
- State Academic University for Humanities <https://gaugn.ru/en-us> ;
- National Research Center Institute of Immunology Federal Medical-Biological Agency <http://www.ncii.ru/> ;
- Institute for Information Transmission Problems of the Russian Academy of Sciences (Kharkevich Institute) <http://iitp.ru/en/about> ;
- Institute of Cytology of the Russian Academy of Science <http://www.cytspb.rssi.ru/> ;
- A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences <https://ineos.ac.ru/en> ;
- Kazan E.K. Zavoisky Physical-Technical Institute of the Kazan Scientific Center of the Russian Academy of Sciences <http://www.kfti.knc.ru/en/>
- P. N. Lebedev Physical Institute of the Russian Academy of Sciences <http://old.lebedev.ru/en/> ;
- Federal Research Centre «Fundamentals of Biotechnology» of the Russian Academy of Sciences. <http://www.fbras.ru/en/>
- Lobachevsky State University of Nizhni Novgorod (UNN) <http://eng.unn.ru/>
- Institute of Gene Biology (IGB) of the Russian Academy of Sciences <http://www.genebiology.ru/en/>
- Higher School of Economics National Research University <https://www.hse.ru/en/>
- Siberian Federal University, <http://www.sfu-kras.ru/en/about>
- Space Research Institute of the Russian Academy of Sciences , <http://www.iki.rssi.ru/eng/index.htm>
- Saratov state university <http://www.sgu.ru/en>
- Novosibirsk State Research University <https://english.nsu.ru>
- MISIS National University of science and technology <http://en.misis.ru/university/>
- St. Petersburg University <http://english.spbu.ru/>
- Lomonosov Moscow State University, <http://www.msu.ru>
- St.Peterburg ITMO University <http://en.ifmo.ru>
- Federal Research Center The Institute of Applied Physics of the Russian Academy of Sciences" (IAP RAS), <http://www.iapras.ru>
- Kazan Federal University , <http://kpfu.ru>
- The Schmidt Institute of Physics of the Earth of the Russian Academy of Sciences (IPE RAS) <http://www.ifz.ru/en/institute/>
- Tomsk State University, TSU, <http://en.tsu.ru>

Regional distribution of Russian universities and scientific institutions which have become the winners of the competition is: Moscow - 16 winners; Saint-Petersburg – 5; Nizhny Novgorod region – 5; Novosibirsk region – 2; the Republic of Tatarstan - 2 winners; Krasnoyarsk, Rostov, Saratov, Tomsk, Chelyabinsk regions - 1 winner.

Source: <http://www.p220.ru/en/home/news/item/1370-6win>



## RSF participated in the symposium German-Russian Cooperation in Earth System Research

Russian Science Foundation was invited by the German embassy to participate in the international symposium organized by the German Embassy in Moscow jointly with the Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences on 26

November 2017, providing young scientists with the first hand-information on career and funding opportunities for research in the geosciences and related fields. The workshop was attended by ca. 100 young researchers from Russia and Germany who presented their research and got acquainted with the programs of various research funding organizations and foundations in Russia and Germany that offering young talents ample opportunities and infrastructure for their research.

German and Russian research support organisations such as German Research Foundation (DFG), Helmholtz Association, German House of Science and Innovations in Moscow, German Academic Exchange Service (DAAD) as well as the the Russian Science Foundation, Vernadsky Foundation and the Russian Foundation for Basic Research presented their programs.

German young scientists represented the Institute of Alfred Wegener Institute for Polar and Marine Research, Freie Universität Berlin and GFZ German Research Center for Geosciences. Russia was represented by young talents from the Lomonosov Moscow State University, St. Petersburg State University, St. Petersburg Mining University, Kazan Federal University and other research performing organizations.

In his presentation, RSF international relations spokesman Sergey Konovalov highlighted that in the last 4 years RSF funded 320 projects in geosciences with total funding awards of more than 2 billion Russian rubles, supporting 2.500 scientists. More than 1,200 RSF-funded articles have been published in leading international scientific journals since 2014. 5 out of 7 priority areas identified in the Strategy for Scientific and Technological Development of the Russian Federation are relevant to environment and other research tasks and risks associated with earth sciences. New RSF funding programs for young postdocs and independent leaders of small research groups target on these strategic research priorities.

Additionally, early-career researchers are encouraged to engage in research projects as the members of RSF-funded research team (according to the conditions of the most RSF calls for proposals, half of the team should consist of young researchers), including the competitions announced by the RSF jointly with foreign partners. In conclusion, Sergey Konovalov reminded of the open submission period for the proposals in the current competitions with DFG and Helmholtz Association.

Source: <http://rscf.ru/en/node/2694>

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## Events



**CLIB International Conference CIC 2018**  
**17- 18 January 2018 Hotel Nikko Düsseldorf, Germany**

CLIB2021 will celebrate its 10 year anniversary with the international conference CIC2018 „Clustering Science, Innovation, Business“. The first day of the conference „Connecting Megatrends for Innovation“ will take up the two megatrends of digitisation and the switch to renewable energies, and focus on their effects on biotechnology. The second day under the title „High Performance Ingredients: A Boost for Biotech“ will address three specific markets of special relevance to the bioeconomy: coatings, food and feed.

Registration : <http://www.clib2021.de/en/events/cic2018>

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## Industrial Biotechnology Innovation Center (IBioIC) 4<sup>th</sup> annual conference

**25- 26 January 2018 Glasgow, Scotland, UK**

Now in its fourth year, IBioIC's annual conference returns for 2018 and is fast becoming the main 'go to' event for the biotech industry in Scotland. Attracting over 400 hundred biobased professionals, academics and students from across the UK and Europe in 2016 & 17, this two day event aims to explore the potential for the industrial biotechnology's current and future activities in Scotland and further afield, whilst providing delegates with networking opportunities to drive new collaborations

Details: [http://www.ibioic.com/annual\\_conference/d1066/](http://www.ibioic.com/annual_conference/d1066/)



## International specialized exhibition Biotech World 2017

**19-21 February 2018**

Ilyinka, 4 Gostiny Dvor, Moscow, Russia

<http://www.biomos.ru/>



## Reaction Concepts for Industrial Biocatalysis

**09 - 11 April 2018 Center for Interdisciplinary Research (ZiF),  
Bielefeld University, Germany**

Biocatalysis is one of the most interesting modern branches of technology for its interdisciplinary of biology, chemistry and process engineering. The combination and synergy of these specialties provide modern industry with a powerful possibilities to explore. The 2018 CeBiTec conference on "Reaction Concepts for Industrial Biocatalysis" brings together academia and industry to promote discussion about current trends and topics. We are looking forward to welcoming you!

<http://icrc2018.biocascades.eu/>



## 11th International Conference on Bio-based Materials (BMC)

**15-16 May, 2018, Maternushaus, Cologne, Germany**

The 11th International Conference on Bio-based Materials is aimed at providing international major players from the bio-based building blocks, polymers and industrial biotechnology industries with an opportunity to present and discuss their latest developments and strategies. The conference builds on successful previous conferences: 250 participants and 30 exhibitors are expected.

- Feedstocks for the Bio-based Economy
- Bio-based Building Blocks & Polymers
- Lignocellulose – Lignin & Cellulose
- Environmental Solutions
- Yeast as Platform Technology for Bio-based Chemicals
- Start-up Session

Detailed: <http://bio-based-conference.com/>

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## BioBase4SME Innovation Biocamp

03- 08 June, 2018, Hawkhill, Easingwold, North Yorkshire, UK

Deadline for applications 13.04.2018

APPLY NOW for €7000 worth of fully funded, specialist training for you and your business. Join other new, innovative and ambitious companies for an intensive, week-long course that will give you the tools you need to help you commercialise your idea and grow your company. Each session of the training programme will start with a lecture from an expert in a key aspect of business growth, followed by a group exercise mediated by an experienced facilitator. You will then apply the learning from the session to your own company and pitch to a panel of specialist investors at the end of the Biocamp.

Detailed: [www.nweurope.eu/BioBase4SME](http://www.nweurope.eu/BioBase4SME)

<http://www.nweurope.eu/projects/project-search/bio-innovation-support-for-entrepreneurs-throughout-nwe-regions/events/biobase4sme-innovation-biocamp-2018/>



Russian National Contact  
Point "Biotechnology"  
<http://bio-economy.ru/>



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