



Call for Proposals in a Joint NSF-BSF Program with the Integrative Organismal System Division (IOS)

The U.S.-Israel Science Foundation (BSF) is pleased to announce the opening of a new round of applications in a joint funding program with the Integrative Organismal System Division, (IOS) in the Biological Sciences Directorate (BIO) of the U.S. National Science Foundation (NSF).

The Terms of this program are as follows:

General:

1. This NSF-BSF program is not a “special” program with the NSF setting aside money for potential grants. Rather, it is an integral part of the regular NSF programs in these discipline, with no “special” funds. Clear understanding of it by the U.S. partner is essential before embarking on proposal writing.

Synopsis of Program:

2. The Division of Integrative Organismal Systems (IOS) supports research aimed at understanding why organisms are structured the way they are and function the way they do. Proposals should focus on organisms as a fundamental unit of biological organization. Principal Investigators (PIs) are encouraged to apply systems approaches that will lead to conceptual and theoretical insights and predictions about emergent organismal properties. Areas of inquiry include, but are not limited to, developmental biology and the evolution of developmental processes, nervous system development, structure, and function, physiological processes, functional morphology, symbioses, interactions of organisms with biotic and abiotic environments, and animal behavior.

A full description of the current program can be found in the solicitation on the NSF website. It is strongly advised for all potentials applicants (including Israelis) to read the document carefully:

https://www.nsf.gov/pubs/2018/nsf18586/nsf18586.htm?WT.mc_id=USNSF25&WT.mc_ev=click

Program Areas:

United States – Israel
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3. Proposals are welcome in all areas of science supported by *Behavioral Systems Cluster*:
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504676&org=IOS&from=home

Proposals are welcome in all areas of science supported by *Developmental System Cluster*:
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504677&org=IOS&from=home

Proposals are welcome in all areas of science supported by *Physiological and Structural Systems Cluster*:
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504679&org=IOS&from=home (Note that plant-microbial symbiosis proposals previously submitted to the Symbiosis, Defense, and Self-recognition (SDS) Program in the Physiological and Structural Systems Cluster of IOS are excluded from the current program).

Proposals are welcome in all areas of science supported by *Neural Systems Cluster*:
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504678&org=IOS&from=home

Proposals are welcome in all areas of sciences supported by *Plant Genome Research Program*:
https://nsf.gov/funding/pgm_summ.jsp?pims_id=5338&org=IOS&from=home

4. The program will accept full proposals and the pre-proposal stage has been canceled.
5. Applications must be written jointly by an Israeli and a U.S. scientist from a U.S. research institution.
6. The NSF accepts applications only from U.S. scientist and submission to the NSF should be made by the U.S. PI alone (the Israeli does not appear as a formal co-PI on the application). However, in the collaborative applications, the role of the Israeli partner(s) must be described. **Furthermore, it should be clearly explained why the contribution of the Israeli PI to the research project is important/essential.**
7. If awarded a grant, the Israeli scientist will receive a grant from the BSF, while the U.S. scientist will receive a grant from the NSF.
8. The size of the BSF grant to the Israeli is expected to be up to 70,000\$/year for experimental programs and up to \$40,000/year for theoretical or computer based program. If more than a single Israeli group is involved in the research, the budget may be increased by up to 50%.



9. BSF will follow the decision by the U.S. funding agency regarding the length of the project.
10. We have put together a presentation with tips for Israeli scientists who wish to submit to the NSF-BSF. You can download the presentation [here](#).

Eligibility:

1. All regulations regarding eligibility of the BSF (for the Israeli PI) or the NSF (for the U.S. PI) will apply to this program.
2. **Each Israeli scientist is allowed to submit only a single pre-proposal. Moreover, a scientist who has any pending NSF-BSF application, or has any active NSF-BSF grant that is not in its last year, is not allowed to submit an application to this program.**
3. Israeli scientists will be allowed to submit both to an NSF-BSF program and the regular BSF program, including similar applications. In the event that they are awarded a grant in both programs, they will be funded in both, unless the research application is mostly similar, in which case only their NSF-BSF program will be funded.
4. In case of similar NSF-BSF and regular BSF applications, in which the NSF evaluation was not completed by the time the regular BSF awards are made, the BSF will defer its decision regarding a possible grant to this application, until the NSF-BSF awards are announced.

Evaluation:

1. Proposals will be evaluated by the NSF, using its [criteria](#). The BSF will create a small screening panel to quickly examine the role of the Israelis in the applications, and ascertain that it is meaningful, and that they have the knowhow and facilities to perform their part in the research. This panel will also advise the BSF regarding the budget requests, but will not evaluate the scientific merit of the applications. However, Israelis may possibly take part in the NSF evaluation process as panel members and/or external reviewers.
2. BSF is likely to fund any Israeli whose partner in this program is funded by the NSF, subject to the eligibility constraints, availability of funds, and advice of the screening panel.

3. NSF uses a conventional peer review system with expert panels and ad-hoc (external) reviews for full proposals. However, unlike the practice in Israel, panel members serve in an advisory capacity, and final decisions lie with the program officers and their management. These post-panel officials may introduce additional considerations such as whether the research topic already has support from the U.S. government, whether support from other NSF programs may be sought, etc.
4. Israeli applicants are advised that they should pay particular attention to the NSF evaluation criteria, http://nsf.gov/bfa/dias/policy/merit_review/, which may include issues such as broad impact, data management, etc. That are either missing in BSF/ISF applications, or have a greatly different meaning (particularly the term ‘broad impact’). **Failure to appropriately refer to such topics by the U.S. partner may be detrimental to the proposal, and has been also known to result in early rejection.**

Submission:

The proposals will be submitted to the program twice.

The U.S. scientist (only) will submit to the NSF using its regulations (http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg) and submission system (<https://www.fastlane.nsf.gov/>). **The US PI submission to the NSF MUST include the BIOGRAPHY (in the NSF format) and BUDGET (in the BSF format) of the Israeli partner as part of the auxiliary material.**

The Israeli scientist (only) will submit to the BSF, also providing the U.S. scientist information, according to its regulations and submission system: <http://www.bsf.org.il/ElectronicSubmission/GatewayFormsAndGuidelines.aspx?PageId=7&innerTextID=0%20>

Timetable:

These programs have no deadline, applications are welcomed throughout the year.



Applicants are requested to acquaint themselves with the BSF regulation for this NSF-BSF program before they submit applications. The forms and regulations can be downloaded from the BSF website (www.bsf.org.il) under 'Guidelines and Forms'.

Questions regarding the applicability of the proposed research for this program should be directed by the U.S. partner to the program officer at the NSF.

Other questions regarding this special NSF-BSF program can be discussed with the BSF management by mail or phone (972-2-5828239): Dr. Rachel (Heni) Haring (heni@bsf.org.il ext. 110) or Ms. Yael Dressler (yael@bsf.org.il ext. 103). Questions regarding the online application system should be directed to Ms. Orli Rozenchwajg (orli@bsf.org.il ext. 109).