



Natural Sciences and Engineering
Research Council of Canada

Conseil de recherches en sciences
naturelles et en génie du Canada

PROTECTED B
RGPIN-2018-04350

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Ottawa, Canada
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350, rue Albert
Ottawa, Canada
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October 15, 2018

Dror Bar-Natan
University of Toronto
Mathematics (St. George Campus)

Applicant Category: Established Researcher (ER)
Program: Discovery Grants Program
Evaluation Group: Mathematics and Statistics-1508
Title: *Poly-Time Knot Theory and Quantum Algebra*

NSERC is pleased to inform you that as a result of new funding announced in the 2018 Federal Budget, the amount of your Discovery Grant has been revised. A grant summary and the conditions that apply to this grant are described in the enclosed *Terms and Conditions of Award*. Please review them carefully as they contain important information about your award.

The NSERC Discovery Program builds on the commitment of the scientific community to ensure that appropriate granting decisions are made by NSERC following the recommendations from peer reviewers. NSERC expects every grantee to participate in the peer review process as a reviewer when requested. Furthermore, this participation should be recognized by the University as an important contribution to the scientific enterprise in Canada and as a demonstration of the excellence of the researcher.

This notification of decision cancels and replaces the last one issued.

Pierre J. Charest, PhD
Vice-President
Research Grants and Scholarships

cc: Research Grants Officer, University of Toronto
Financial Officer, University of Toronto

GRANT SUMMARY

Applicant: Dror Bar-Natan

Applicant Category: Established Researcher (ER)

Application Number: RGPIN-2018-04350

Title: Poly-Time Knot Theory and Quantum Algebra

Administering Organization: University of Toronto

Amount of Award:

1/5	2018/2019	\$28,000
2/5	2019/2020	\$28,000
3/5	2020/2021	\$28,000
4/5	2021/2022	\$28,000
5/5	2022/2023	\$28,000

Award Start Date: April 1, 2018 **Award End Date:** March 31, 2023

TERMS AND CONDITIONS OF AWARD

NSERC is pleased to offer you a grant/award in support of the activities set out in your application in the amount and for the duration described above.

By drawing on the funds awarded, you confirm that, during tenure of the grant/award, you will comply with the following terms and conditions:

1. You will use the grant/award only for the purpose for which it was awarded.
2. You will provide true, complete, accurate information in any documents related to your grant/award, and you will represent yourself, your research and your accomplishments in a manner consistent with the norms of the relevant field.
3. You will ensure that individuals who are named in any document(s) related to your grant/award have agreed to be included and to disclose their personal information in the document(s).
4. If you are a co-applicant, you agree that the applicant will administer the grant/award on behalf of the group/team.
5. You are not currently ineligible to apply for and/or hold funds from NSERC, the Social Sciences and Humanities Research Council (SSHRC), or the Canadian Institutes of Health Research (CIHR), or any other research or research funding organization worldwide for reasons of breach of policies on responsible conduct of research, such as ethics, integrity or financial management policies. If at any time you become ineligible for any of these reasons, you will advise your institutional officials and NSERC immediately, in writing.
6. You will comply with the [Tri-Agency Framework: Responsible Conduct of Research](#), which includes but is not limited to the [Tri-Agency Financial Administration Guide](#), the Program Guide for Professors, and the Tri-Agency Research Integrity Policy, and with any amendments to these that NSERC may adopt.

7. If you are or have been (at any time during the past 12 months) a federal public servant, you have complied with and will continue to respect the [Values and Ethics Code for the Public Sector](#).
8. You consent to the sharing among the three federal granting agencies (NSERC, SSHRC and CIHR) and with any academic institution to which you are, or may become, affiliated, of any and all information, including personal information, in any way related to the application and to the grant/award.
9. In the event of any change in your eligibility status, you will inform NSERC and your institutional officials immediately, in writing.
10. You will inform institutional officials of any changes in the nature of the research that may have an impact on certification or approvals as in section 2.4 Agency Requirements for Certain Types of Research of the [Tri-Agency Framework: Responsible Conduct of Research](#).
11. You will inform NSERC and your institutional officials of any changes in the nature of the research that may require an environmental review/assessment or involves the use of human pluripotent stem cells. You will not proceed with these research activities requiring additional certification until NSERC approval has been obtained.
12. You will inform your institutional officials if your research plan changes to include new activities involving humans or the use of animals. You will not proceed with these research activities until institutional approval has been obtained.
13. Should you decide to pursue commercialization of any results of the research funded by NSERC, you will disclose to your institution any potential intellectual property (IP) arising from the research.
14. If you disclose any potential IP arising from the research, you and the institution will endeavor to obtain the greatest possible economic benefit to Canada from the resulting commercial activity. This requirement for disclosure is not intended to supersede the IP ownership policy that the institution might already have in place.

In addition, you understand that:

15. NSERC reserves the right to defer or cancel a grant/award instalment if the continued need for funds is not demonstrated.
16. The grant/award is subject to the availability of funds. NSERC may reduce or cancel this grant/award.
17. The [Access to Information Act and the Privacy Act \(ATIP\)](#), and the Use and Disclosure of Personal Information Provided to NSERC, pertain to the information NSERC collects from and about you.
18. Grantees are required to acknowledge the Agency's supported research and activities verbally and in writing. Furthermore, under Part VII of the *Official Languages Act*, NSERC is responsible for taking positive measures to promote the use of both English and French in Canadian society. As such we ask that you acknowledge, verbally and in writing, your NSERC funding in both English and French whenever possible. For sample text and additional information visit our [Acknowledgement and Logos](#) web page.

Additional terms and conditions:

19. You will comply with any other condition on expenditures that may be described in the Message to Applicant.

Consent to Disclosure of Personal Information: You understand that maintaining public trust in the integrity of researchers is fundamental to building a knowledge-based society. By accepting funding from CIHR, NSERC and/or SSHRC, you affirm that you have read and you agree to respect all the policies of these agencies that are relevant to your research, including the [Tri-Agency Framework: Responsible Conduct of Research](#). In case of a serious breach of agency policy, the agency may publicly disclose any information relevant to the breach that is in the public interest, including your name, the nature of the breach, the institution where you were employed at the time of the breach, the institution where you are currently employed, and the recourse imposed against you. You accept this as a condition of applying for, or receiving agency funding, and you consent to such disclosure. If you do not agree to the disclosure of your personal information, you cannot participate in this grant/award.

Note: If you have any concerns about your ability to comply with the terms and conditions listed above, contact your institutional official or NSERC staff responsible for the program immediately. Do not agree to the terms and conditions and do not draw down on any funds paid to you or to the host institution until you are certain that you can and will comply with all of the requirements.