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**RESEARCH
PROGRAMME
ON THE
SOCIOECONOMIC
IMPACT OF
RESEARCH IN
DENMARK**

Information and guidelines for
applicants

RESEARCH

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Grant information

Grant capital:
DKK 30 million

Application form opens:
April 10, 2018

Application deadline:
May 31, 2018 at 2pm

Notification of acceptance for interview:
Middle of August 2018

Interview date:
End of August/Beginning of September 2018
Will be announced on the NNF website

Applicant notification:
End of September 2018

Earliest start date:
October 1, 2018

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1 RESEARCH PROGRAMME ON THE SOCIOECONOMIC IMPACT OF RESEARCH IN DENMARK

1.1 PURPOSE

Economic research on the socioeconomic impact of research is sparse, especially in Denmark. Research-based knowledge on how sustained, long-term investment in research affects employment, welfare and well-being is lacking. In addition, the priorities for using public funds have been tightened, which has affected the public funding of public research. Better understanding of and research on the socioeconomic impact of research are therefore essential.

The socioeconomic impact of research is a field with numerous opportunities for new knowledge, including areas requiring more knowledge and new projects and understanding the overall effects of research and innovation systems. In Denmark, the input side (funding for independent research) has been in focus instead of the output side (absorbing knowledge and converting it into innovation and new technologies). One goal of this programme is therefore to focus on how numerous initiatives interact and how effectively the research and innovation system supports the transformation of knowledge into value (the public–private spillover effect).

The objectives are to strengthen research on the socioeconomic impact of research in Denmark and to accelerate the development of new empirical models and methods to analyse the impact of research. A further objective is to build a platform for the economics of research in Denmark with an international outlook. The aim is to strengthen and develop knowledge about how the quantity of investment in public research and the composition of the research and innovation initiatives influence 1) the transformation of knowledge into new technologies and innovation and 2) how efficiently knowledge and technology are used and create value for society. The programme seeks to explore a wide range of theoretical and empirical research topics within microeconomics and macroeconomics such as:

- how research-based technological development and innovation in the public sector contributes to economic growth and prosperity and facilitates new inventions and specific solutions for major societal challenges;
- how various systems for funding research contribute to and influence public and private research and thereby generate socioeconomic effects;
- to what extent various scientific fields influence socioeconomic development;
- the many possible ways research and innovation systems can influence research behaviour, including developing companies;
- developing economic models that incorporate how individuals and companies change their behaviour when the level of investment in research and innovation changes;
- analysing the economic effects of knowledge-sharing and knowledge dissemination, including the socioeconomic impact of research and development collaboration between universities and companies as well as corporate collaboration in innovative networks and clusters with research and education institutions and the public sector;
- the structure and significance of the research sector in Denmark's economy, including the importance of socioeconomic development of historical development in the research and technology sector and possible future scenarios for this sector; and
- analysing the socioeconomic impact of the supply of researchers and students from other countries to Denmark.

Other themes may also be supported if they meet and reflect the purpose of the programme. The research approach may be interdisciplinary and involve international collaboration.

1.2 ELIGIBILITY

An individual research project may include a small research group under the leadership of a main applicant with outstanding expertise. The main applicant must be based at a public or not-for-profit institution in Denmark that conducts research and will host the project.

Main applicants

Main applicants should be established economics researchers, have documented experience in research leadership and be employed at a university or other not-for-profit knowledge institution in Denmark at which the project will be based. If the Foundation awards the applicant a grant, the main applicant will be responsible for the project and for the scientific and financial reporting to the Foundation.

Co-applicants

The application may include scientific co-applicants, including from other scientific disciplines, who contribute actively to the project and who will share the grant. To do so, they must also be affiliated with a university or other not-for-profit knowledge institution in Denmark or elsewhere.

Collaborating partners

The call for applications urges main applicants to build international collaborations with the people who have the strongest competencies for the research project, including affiliating an international steering group that provides input on the research.

1.3 FUNDING

Applicants may apply for up to DKK 10 million over a 4-year project period. The Foundation anticipates awarding grants for up to three 4-year projects of DKK 10 million each.

Funding may cover:

- salaries, excluding the salaries of the lead applicant or co-applicant who have fixed employment
- direct operating costs, including materials, utilities and services
- purchasing equipment, with equipment costing more than DKK 100,000 being located at the host institution during and after the project period
- the costs of project-related meetings, workshops, seminars and exchanges that will strengthen the collaboration between the partners in the programme
- travel costs for participating in project-related conferences
- the costs of publishing scientific articles arising from the project

For administrative support of the grant, an amount up to 5% of, and included in, the funding applied for from the NNF may be included in the budget.

The administrative support:

- can cover non-scientific, administrative expenses in relation to the project, such as accounting, administration related to payment of salaries and purchasing, hiring, as well as auditing and financial reporting on the project
- cannot cover administrative expenses that are not directly related to the project
- can via the host institution be shared between the institutions of the main- and co-applicants, as detailed in the application budget

- is not automatically included in the grant, and must be stated/applied for in the application budget, but should not be specified in detail



IMPORTANT! The grant may not be used to cover 'overhead' (i.e. rent, electricity, water, maintenance etc).

1.4 LANGUAGE

Applications must be written in English.

1.5 APPLICATION PROCESS

Applications must be written in English and submitted using the Foundation's web-based application system. Applications must include a brief summary of about half a page together with a detailed project description of up to 20,000 characters including spaces.

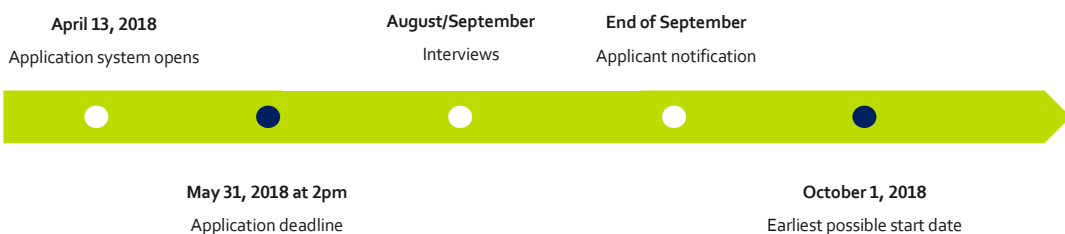
1.6 SELECTION PROCESS

Selected leading applicants will be invited to an interview at the Foundation before the international assessment panel selects the research projects to be awarded a grant. The interviews will take place at the end of August or beginning of September. The date will be announced on the website as soon as possible.



IMPORTANT! The foundation does not provide feedback in case the application is not selected for funding.

1.7 IMPORTANT DATES



Application Guidelines

The following pages contain guidelines for completing the application correctly. It is strongly recommended that the applicant reads these carefully and has a printout to refer to while completing the online application.

Please, also see "Terms and conditions for grants from the Novo Nordisk Foundation", that all grant recipients must comply with:

<http://www.novonordiskfonden.dk/en/content/conditions-grants>



We recommend that you read these guidelines carefully before initiating the application process

2 RULES FOR GRANT APPLICATION AND ACTIVATION

2.1 GRANT APPLICATION

The following conditions apply when applying for grants:

- a) An applicant may submit only one application per grant type per funding round. While it is not possible to submit more than one project grant application per call in a specific funding round, an applicant may submit an application for a different project to another funding round in a another call.
- b) An applicant may not submit an application for the same purpose/project to two or more funding rounds in the same calendar year.
- c) An applicant may not apply for two different NNF Investigator Grants during an overlapping application period for granting in the same calendar year (e.g. Emerging Investigator, Ascending Investigator, Distinguished Investigator, Excellence Project for Young researchers, NNF Young Investigator, NNF Laureate Investigator).
- d) Researchers with an active grant of a specific type may apply for a new grant of the same type during the final year of the grant, however, a new grant cannot be activated until the existing grant is completed and no longer active.
- e) When applying for grants that do not provide funding for the applicant's salary, the applicant must be able to account for own salary during the entire grant period.
- f) Researchers currently in Ph.D. or postdoctoral positions may not apply for grants that do not allow for funding of own salary (i.e. project grants and programme grants). Exploratory Pre-seed grants and project grants within nursing research and art history research are exempted from this rule.

2.2 ACTIVE GRANTS

The following conditions apply for active grants for which the recipient has requested one or more payments:

- g) It is not possible to hold more than one active grant of the same grant type awarded from a specific committee. It is however, allowed to hold two or more active grants from NNF awarded by different committees and within different calls, e.g. project grants from both Committee on Bioscience and Basic Biomedicine, and Committee on Clinical and Translational Medical Research or a project grant in combination with an Interdisciplinary Synergy Grant.
- h) It is not possible to hold more than one active grant that can support a grant holder's own salary (NNF Investigator Grant category). Regardless of whether the grant is applied to cover own salary, an applicant cannot hold e.g. both a Hallas-Møller Investigator grant and an Ascending Investigator grant or e.g. a NNF Young Investigator grant and an Excellence project grant at the same time.

3 THE NOVO NORDISK FOUNDATION APPLICATION SYSTEM

3.1 BEFORE YOU BEGIN

The Novo Nordisk Foundation application system does not support Google Chrome. Use of one of the following browsers is recommended:

- [Mozilla Firefox](#), newest version, for both PC and Mac computers
- [Safari](#), newest version, for Mac
- [MS Internet Explorer](#), v9 or newer, for PC

It may be necessary to disable "pop-up" blocking.



IMPORTANT! Use a compatible browser. See section 3.1.

3.2 GENERAL INSTRUCTIONS

Filling in the fields

For all applications, the individual fields must be completed in accordance with these guidelines and the instructions supplied in the application. Abbreviations should be defined at the first use. The maximum character limit for each text field may not be exceeded. Character counts include spaces and symbols, but not line changes.

Submission

The application in its entirety must be submitted electronically via NNF's application system. It is not possible to submit an application or any part of it by standard mail or e-mail.

The NNF asks that you do not send any reprints, abstracts, letters of reference, etc., outside of the application system. Any material submitted outside the application system will not be included in the evaluation and will not be returned. Applications cannot be modified after the submission deadline.

Once the application has been submitted, a confirmation of receipt will be sent to the applicant at the e-mail address provided by the applicant. If you (the applicant) do not receive a confirmation of receipt, you should contact the NNF as soon as possible by e-mail or telephone using the contact details on page 3 or by e-mail to nnfond@novo.dk.

Confidentiality

All applicant and application information will be treated as confidential.

3.3 NEW USER REGISTRATION

The electronic application system can be accessed through links on the NNF website. The links lead to the login site, where the new user registration link is found beneath the login for existing users.

To apply for grants from the NNF you need to register as a user. Only one user, which must be the main applicant, can be assigned per application. An applicant may only have one user in the application system. If you already have a user, but experience problems logging in, then please contact NNF using the contact information on page 3 or by e-mail at nnfond@novo.dk.

New users are created via the Login screen by clicking "Ny bruger? / New user?"

Notes for new user registration

- First name is your given name and Surname is your family name.
- Username must be written as birthdate followed by the two first letters of your first name and the first two letters of your surname (DDMMYY-xxxx), e.g. (050672-toha).
- Your e-mail address is required for routine communication.
- Select Danish or English.
- The selected password must consist of at least 8 characters, both letters and numbers.

After creating a password, click "Fortsæt", and you are logged into the application system. You will receive an e-mail with your username.

3.4 CREATING AND COMPLETING AN APPLICATION

- After receiving a new user e-mail, an application is created by clicking the "Create application" icon in the start menu, under "My work items". This icon should be utilized only once for creating the grant application. The application is then stored in the system and it is possible to return to it repeatedly until the completed application is submitted.
- It is necessary to save the data in the application while it is being worked on. The "Save" function button found at the bottom of each application step saves all application data as it exists at the time the save is performed. The Save button is next to the "Back" and "Continue" buttons, which are used to move between the different steps. By pressing "Continue" the system checks that mandatory fields are filled and saves the content before moving to the next step. You can only move through the steps in the given order.
- To prevent loss of data, it is essential to press "Save" before you leave the application system or use the menu to the left. Exit/logout of the application and system is performed simply by closing the application and system windows. When you return to the application, it will be at the step where it was exited.
- After the application has been created and while it is in the process of being completed, the application is accessed through "My work items" in the lower part of the screen, and you can at all times see in which step of the application you are working.
- If the "Create Application" icon has been utilized more than once, additional applications will be present. In this case, the applicant must choose one to complete and submit. It is not possible for applicants to delete additional applications - these will be deleted in the system after the application deadline.
- Complete the mandatory fields (*) before clicking "Continue". The application cannot be submitted until all mandatory fields have been completed. Instructions for the final submission steps are found in "Step 7 – Total application / Application pdf" at the end of this file. Submitted applications can be found in the "Applicant" menu in the left side

3.5 APPLICATION TEXTS

Text from word processing files can be pasted (using CTRL+C/CTRL+V) into the text fields of the application. Due to system compatibility requirements, most formatting is lost upon pasting and needs to be re-formatted within the text fields.

The available functions for formatting text are at the top of the fields. The function marked with the Greek letter Omega (Ω) is a special character dialog box that can be used to insert special letters and symbols. It is vital to check that special letters and symbols have not been converted or lost in the text fields.

Unicode-formatted letters and symbols are not converted/lost upon pasting, Greek letters created via Symbol font may not remain as Greek letters when pasted into the text fields.

The applicant is responsible for the legibility of the text in the application.

Text fields have a maximum number of characters, which include spaces (but not lines).

3.6 ILLUSTRATIONS

Figures/charts/tables/images, etc. are all classified as illustrations. The application may contain up to 4 illustrations, which must be in jpg or jpeg format.

The details for uploading illustrations are provided in application step 4 below.

4 GUIDELINES FOR COMPLETING THE APPLICATION

The online application can have up to seven steps.

- **Step 1** is where the grant area is selected and an application is created.
- **Steps 2-6** comprise the five parts of the actual application.
- **Step 7** is used to preview the application, to create a pdf file of the application and to submit the final application pdf to the NNF.

PLEASE NOTE!



- Some text fields or steps are not included or required for all types of applications.
- Legends above each text field specify the requirements for that specific text field (in cases where there is a discrepancy between the legend and these guidelines, the legend takes preference).
- Character limits and the number of used characters are indicated below each text field.

4.1 STEP 1 – CHOOSE GRANT AREA

Choose the desired grant area from the “drop-down” menu.

Choose application language if a choice is present. Please note that the system language changes according to this selection.

To continue and to complete the application, it is necessary to read and accept the NNF's standards for good research practice. These can be found on the NNF website and can be accessed through the link in Step 1.

4.2 STEP 2 – PERSONAL INFORMATION



IMPORTANT! It is not possible to modify your name or e-mail address in the application. If you need to change either, you must contact the foundation.

You can change all other information either in the application or in the "Personal information" menu in the top bar. If you want to change the information that is stored for you as a user, please press "Personal information" in the upper left part of the screen. Complete the fields as required and relevant before clicking "OK". It is then necessary to create a new application in the Start menu for these changes to be incorporated into your application.

Personal information

Please provide highest relevant education, the current position, gender, age, and ORCID number.

ORCID (Open Researcher and Contributor ID) is an open, non-profit endeavour to register and link researcher efforts and output. The applicant must sign up in ORCID (<http://orcid.org/>) and introduce the membership ID in the appropriate field.

ORCID is a unique identifier, which researchers can associate with their name variations and their research works, to ensure that these links can be made accurately and reliably. NNF uses the information from ORCID to ensure that grantees receive full credit for their work for the benefit of both individual researchers and their institutions. Applicant is requested to keep a full and updated publication list available via ORCID.



IMPORTANT! If changes have been made to 'Personal information', you must create a new application in the Start menu for these changes to be incorporated into your application.

Private address

Please provide your private address, as well as phone number.

Current institution

This section relates to the place of your current employment.

The "Institution / University" field contains a menu of research institutions within the Nordic countries. In case the relevant institution is unavailable in the dropdown menu, please select "Andet / Other" and write the name of the institution in the field "Other".

Applicant's curriculum vitae

Please provide your brief CV. Note that references for recent publications are to be entered two fields below and need not be listed here. (Max. 4,000 characters)

Summary of own research

Please summarize your own research that is of relevance to this application. (Max. 2,000 characters)

Publications

Please provide the complete reference information for your most important recent publications (up to 10). (Max. 4,000 characters)

Supplementary personal information

This field can be utilized if there are special circumstances regarding your application that the review committee should be aware of. (Max. 2,000 characters).

4.3 STEP 3 – SHORT DESCRIPTION

Project information

Enter the start and end dates of the grant period. The grant period indicates the period in which the grant must be used. The project must be started within one year after receiving the grant, unless otherwise indicated. Enter the project title.

Grant administration

This section relates to the institution at which the grant will be administered, in the event that the application is selected for funding. Please note, that this institution is not necessarily the same as where the work described in the application will be carried out.

In the case that the institution where the grant is to be administered is the same at the current institution, please provide the institutional information again here.

Brief project description

Please provide a concise description of the project. (Max. 2,000 characters)

Category choice

For some application types, it is necessary to select categories. In the Category fields, characterize the research project by selecting the most relevant research type, method and subjects. Research subjects are accessed through the "Add button" and where it is possible to selected more than one, up to 3 selections can be made in this category. To access all of the subject choices, use the "Add" button at the bottom of the menu.

4.4 STEP 4 – DETAILED DESCRIPTION INCLUDING ILLUSTRATIONS

Project description

Please describe your proposed research project in detail – including purpose, background, methods, co-applicants and other partners, and the significance of the project. The maximum character count depends on the specific grant area.

Figures, tables, diagrams etc. (illustrations) can be uploaded below the text field. Please only upload illustrations relevant for the assessment of your application.

Uploading illustrations

Up to 4 illustrations may be uploaded in step 4 via the Upload function near the lower right corner. The illustrations must be uploaded in jpg or jpeg format. Include the illustration number and legend within each illustration file.

An individual illustration file should be max. 700 (width) x 900 (height) pixels.

File names can only contain the letters a-z, and not the Danish letters æ, ø or å, and cannot contain spaces or numbers.

To upload illustrations

1. Click "Upload" on the lower right corner.
2. For each picture, click "Browse", and find the file on the computer.
3. Click "OK" to upload. For slow internet connections, this may take a few minutes.
4. When the picture has been uploaded, it can be viewed on this page.

Uploaded pictures can be deleted, by using the red cross icon on the right side of the picture.

The system automatically adds the application number to the file name of all uploaded pictures.

4.5 STEP 5 – LITERATURE REFERENCES FOR THE DETAILED DESCRIPTION

Provide the reference information for the literature cited in the detailed project description.
(Max. 4,000 characters)

4.6 STEP 6 – BUDGET

Enter the requested budget into the budget spreadsheet, including the financial support requested from the Novo Nordisk Foundation and the funding amounts for the same project from other sources.

The budget amount for each year is found in the bottom row of each year, and the amount for the total budget, including all years, can be found below the budget table.

Filling out the budget

- All amounts must be stated in Danish Kroner (DKK) – whole amounts only, without decimal places.
- When entering DKK amounts, do not use periods, commas or spaces.
- When choosing a budget post, it must be specified what is applied for in "Details", and an amount must be entered.
- If you convert currency to DKK include the cost in the original currency and the exchange rate in the "Details" field.
- The budget should be given in budget-years, not in calendar years.
- Add a new budget line by clicking "+".
- Activate a budget post by clicking anywhere on the relevant budget line. The active budget line is shown in yellow (note that the most recently modified budget line remains yellow even after saving).
- Select the relevant "Post" in the dropdown menu and introduce the requested value in the "Applied from the Novo Nordisk Foundation" field, in the right side of the budget.
- In the "Details" field carefully itemize the expenses for each budget post.
- IMPORTANT: Each budget post must be saved by clicking the "Disc" icon below the budget line.
- An introduced budget line can be deleted by clicking the "Waste bin" icon.

Select budget post

Select all budget posts

Select a value

Total for the year

Budget post details

Select budget post type

Delete selected budget post

Save active budget post

Add budget post

Total funding for this budget post



IMPORTANT! Press "Save" for every budget line that you enter

Supplementary information for the budget

This field can be utilized if there is special budget-related information that the review committee should be aware of. (Max. 4,000 characters)

Grants previously received from the Novo Nordisk Foundation in the last 5 years

If you have received funding from NNF in the last 5 years as main applicant or co-applicant (where you have received funding as part of a collaborative grant), you must provide information about the grant. Please provide the application number, grant period and grant amount. (Max. 2,000 characters)

Status report

If you are applying for funds for related ongoing research that is already supported by NNF, you must describe the status of that project and how it relates to the new project applied for. (Max. 2,000 characters)

Approve and preview application

The applicant must certify that the information provided in the application is true and accurate, by checking the box at the bottom of the page.

The application must then be previewed before submission, to ensure that it is complete and legible. Click "Preview application" at the bottom of step 6, in order to access the application preview in step 7.

4.7 STEP 7 – TOTAL APPLICATION / APPLICATION PDF

This step is used to preview the entire application and to ensure that all required information is included. It is possible to return to previous steps to enter or change information, by clicking "Back" at the bottom of the page.

When all desired information has been properly introduced in the application, click "Create PDF", which generates the application pdf file at the bottom of the page. Open the created pdf file by clicking on the pdf icon.



IMPORTANT! If the application and the pdf is to be modified, click "Back" at the bottom of the application. It is then possible to return to any application step, after which the application must again be previewed, and a new pdf file created.

When the final application pdf is complete, the last step of the submission process is to click "Submit application" at the end of the application.

After sending the application, you will receive an email confirmation of your application together with the submitted pdf. This pdf can also be accessed in the application system under "Submitted applications" in the "Applicant" menu. If you do not receive an email with your application pdf, please contact NNF immediately using the contact details on page 3 or by e-mail to nnfond@novo.dk.

October 2017

About the Novo Nordisk Foundation

The Novo Nordisk Foundation is an independent Danish Foundation with corporate interests. The objective of the Novo Nordisk Foundation is twofold: To provide a stable basis for the commercial and research activities conducted by the companies within the Novo Group and to support scientific and humanitarian purposes.

The vision of the Novo Nordisk Foundation is to contribute significantly to research and development that improves the health and welfare of people.