**<** **Project title for the Medical Scientist Program (Calibri 11, bold) >**

**Please be sure to note the additional information on the application at**

[**https://www.mhh.de/en/academic-career-development/nextgeneration**](https://www.mhh.de/en/academic-career-development/nextgeneration)**!**

**The following specifications apply to this application form:**

* Text Calibri 11, single-spaced; justified where possible.
* Defaults enclosed with <> are to be replaced with your own information/text.
* Figures and tables are allowed. The page margin settings (2.5 cm to all sides) may not be changed. The footer must also be completed.
* Citations: List of publications in 3.2 and 3.3 possible. Numerical list, max. 10 publications for each list. Style: We request all information in "Vancouver Style" with mention of the impact factor from the year of publication. If your name is in a position in the order of authors that would not appear, multiple authors may be listed.

**See formatting template:**

Ackermann M, Rafiei Hashtchin A, Manstein F, Carvalho Oliveira M, Kempf H, Zweigerdt R, **Lachmann N.** Continuous human iPSC-macrophage mass production by suspension culture in stirred tank bioreactors. Nat Protoc. 2022 Feb;17(2):513-539. doi: 10.1038/s41596-021-00654-7.(IF 2022: 13.491)

* The application must not exceed 10 pages (excl. attachments).
* Additional explanations and letters of support must be added to this application form. Please use the templates and forms deposited on the website.

Please submit the complete application including all necessary documents summarized in one pdf document by e-mail: [dekanat.karriere@mh-hannover.de](mailto:dekanat.karriere@mh-hannover.de)

Applications that do not comply with the formal framework cannot be accepted.

**Delete this gray text field before submitting the application.**

**1. Applicant**

<Name, first name, title>

<Date of birth>

<Department, OU>

<Phone>

<e-mail>

**2. Institutional mentors**

**2a. Scientific mentor 2b. Clinical mentor**

<External applicants are explicitly encouraged to contact the dean's office or, if known, potential mentors at an early stage. The letter of support and the commitment of at least one mentor is mandatory for the application.>

<Name, first name, title> <Name, first name, title>

<Department, OU> <Department, OU>

<Phone> <Phone>

<e-mail> <e-mail>

**3. Project outline**

**3.1 Short summary**

<Text, max. ½ page>

**3.2 State of research**

<Text, third-party publications. Max. 10 publications.>

**3.3 Own preliminary work**

<Text, in case of own publications, highlight your contribution as well as relevant expertise for this project. Max. 10 publications.>

**3.4 Hypotheses and project aims**

<Formulate the scientific hypotheses and the specific project goals that result from them.>

# 3.5 Work packages and methodology

<The work program should be clearly defined and realistically manageable within the funded time. For this purpose, realistic and measurable milestones are to be indicated in the Gantt Chart, and intermediate goals are to be defined in order to assess the progress of the project in the case of positive approval and to be able to intervene in a supportive manner if necessary. References to methodology, numerical reference list are to be continued from 3.2 and 3.3. Outline at which points quantitative output in the form of publications, posters, talks, book chapters, proposals, etc. is expected. Please outline when and on which topic project proposals for ERC/DFG grants will be submitted.>

## 3.6 Relevance of sex, gender and diversity in research

<Please state whether, and if so, to what extent, the gender

* of the Medical Scientists conducting the research
* of the laboratory animals
* of materials taken from humans or animals
* as well as in other aspects

is relevant to the research project. Please consider the dimension of diversity in all parts of the proposal (methods, work program, objectives, etc.). Please explain analogously how diversity may be relevant for your project in terms of health status, origin or culture.

You can use the DFG's information on this topic for help:

<https://www.dfg.de/en/research_funding/principles_dfg_funding/diversity_dimensions/>>

**4. Cooperation**

<Networking with existing structures and working groups is expected. Thus, synergies are to be used and scientific exchange is to be promoted. Cooperation with institutions outside the MHH that are necessary for the implementation of the project and that are actively practiced will be rated particularly positively. Therefore, describe your regional networking as well as the role of national and international cooperation partners and the relevant use of funds. If stays abroad are planned, please also elaborate on this.>

**5. Teaching / patient and science communication**

<*nextGeneration* aims to train key players in translational regenerative medicine of the future. There will be a particular focus on the areas of knowledge transfer and outreach. Please explain your plans to become involved in teaching and how you plan to achieve your teaching qualification. Complementary suggestions for improving patient information may also be submitted. If there are plans to introduce new aspects into existing structures, clearly identify previously underrepresented subject areas. Innovative ideas on science communication or/and translation with reference to the value chain of medical devices are explicitly welcome. Please explain how you will use the further education structures, e.g. of the MHH, for this purpose, if applicable.>

**6. Career plan**

<Career plan developed together with your institutional mentor(s), which clearly defines the structured further education in a personal, scientific and patient-oriented way. Clear scientific milestones and goals should be defined. This plan should extend beyond the time of the *nextGENERATION* program. How does the funding in the *nextGENERATION* program, together with existing third-party and in-house funding, affect further your career plan? Please outline when and to what extent you will be granted free time for your own project.>

**7. Declaration of the applicant**

The applicant acts based on the guidelines of the "Standards for Good Scientific Practice" of the Hannover Medical School as amended 06/07/2022 and the German Research Foundation (DFG) as amended 04/2022. The "Guidelines for Ensuring Good Scientific Practice" of the DFG were taken into account in the project planning of the applicant.

* Principles of MHH:

<https://www.mhh.de/fileadmin/mhh/hannover-biomedical-research-school/HBRS/Downloads/GSP_Principles_of_MHH___Version_5.0__2022_.pdf>

* Principles of DFG:

<https://www.dfg.de/download/pdf/foerderung/rechtliche_rahmenbedingungen/gute_wissenschaftliche_praxis/kodex_gwp_en.pdf>

An application for funding of this project has not been submitted to any other authority. If such an application is made, the applicant will notify Hannover Medical School immediately.

The applicant is aware that in the event of funding, the guidelines of the funding organization (Else Kröner-Fresenius-Foundation) must be adhered to. These will be submitted subsequently in the event of approval.

**<Only valid with signature, please scan!>**

**8. Attachment**

The following attachments must be included with the application:

* Application form
* Letter of Support: When submitting an application, the letter of support from at least one mentor is expected.
  + scientific mentor
  + clinical mentor
* Commitment
  + (future) department head
  + (future) scientific mentor
  + (future) clinical mentor
* Financial plan (Excel template)
* Copies of doctoral and baccalaureate certificates as well as other relevant certificates and diplomas