# RESEARCH PLAN

* To ensure the equal treatment of applicants please use the research plan structure presented in this template and follow the maximum number of characters including spaces for each section. The application may be rejected if the instructions are not followed.
* If your research plan contains chemical equations or research figures/photos, you can add those at the end of research plan.
* Layout: Font Arial or Calibri, size 11 Row min 1,15, or similar if using other than Word
* **Please combine the research plan document together with other required attachments as one single pdf -document. Max size 5 MB.**
* Remove all instructions text in italics before sending!

Applicant´s name: first name, surname

Start date of study right:only for applicants who already have study right for doctoral studies at the University of Helsinki

Title of the doctoral thesis (preliminary):

# Background and aims of the research project

## Brief summary of the research plan (max. 2000 characters)

## Only for the applicants in the Doctoral Programme in Clinical Research, KLTO: What is the clinical relevance of your research (max. 2000 characters with spaces)

* Remove this question if not applying to the KLTO

## Motivation for conducting doctoral research (max. 2000 characters with spaces)

* Describe your motivation for conducting doctoral research in general and for this topic in particular
* Please reason why you have chosen this doctoral programme

## Rationale for the research project (max. 2000 characters with spaces)

* How is the project linked to previous research?
* What are the most significant theoretical and methodological premises of the project?

## Objectives of the research and scientific impact of research results (max. 2000 characters with spaces)

* What are the objectives of the project? Shortly present the hypotheses and research questions
* Describe the expected research results and their anticipated novelty value in terms of the research field and the current scientific discussion on the research topic
* You may also shortly outline the reach, potential applications and utilization value of the research beyond the scientific community

## To which societal problems or questions does the research aims to answer to? Does your research have multidisciplinary aspects? (max. 500 characters with spaces)

# Research methods and material

## Research **methods and materials to be used and its significance for the research project (max. 3500 characters with spaces)**

* Outline the research methods and describe how they will contribute to answering the research questions/confirming the hypotheses, or how they will support the chosen approach

## Preliminary plan on the collection, usage and storage of the research material (max. 1500 characters with spaces)

* Briefly describe how you plan to collect the research material and use it
* Are there any data protection or copyright issues related to data storage that need to be taken into account?
* Is it possible to make the data available for the use of other researchers?

## Ethical issues (max. 1500 characters with spaces)

* *Please familiarize yourself with ethical principles of University of Helsinki:* [*https://www.helsinki.fi/en/research/research-integrity/research-ethics*](https://www.helsinki.fi/en/research/research-integrity/research-ethics)
* *Are there ethical issues (e.g., ethical governance procedures, informed consent, and anonymity of subjects) that need to be taken into account when conducting the research?*
* *Does conducting the research require a research permit or a permit from the ethical board and/or the Animal Experiment Board?*
* *Does the research project require animal testing?*
* *If your research requires animal testing, indicate one:* 
  + *I have completed the required Laboratory animal science course and Laboratory animal science hands-on training course OR*
  + I will complete the required Laboratory animal science course and Laboratory animal science hands-on training course before starting with animal experiments

## Works cited

* The most important literature references for the research plan (max. 2500 characters with spaces)

# Implementation: schedule and funding plan

## Form of dissertation. Please indicate here your dissertation form:

* Article-based dissertation or monograph
* More information on form of dissertation: <https://studies.helsinki.fi/instructions/article/structure-and-criteria-doctoral-theses>

## Publication plan and timetable for the articles or a preliminary outline of the monograph (max. 1000 characters with spaces)

## Preliminary timetable for your research (max. 2000 characters with spaces)

## Funding plan (max. 1000 characters with spaces)

* Planned funding for the research project including received and applied funding thus far for research costs (materials, field work, travel, publication fees etc) and personal salary
* Please read possible specific instructions on e.g., research cost funding from doctoral programme specific instructions

## Estimate of thesis work completed to date (0–100%) (max. 20 characters with spaces)

## Possible career breaks (max 500 characters with spaces)

* The inclusion of this information is optional, but it may have a positive impact on the evaluation.
* Family leave, military or non-military service, other leaves of absence or career breaks, duration in months

## Estimated year of graduation (max. 20 characters with spaces)