**Attention: blue text must be replaced with specific content or must be deleted in the final version**

**Proposal for an individual project**

(to be kept confidential)

**for the funding measure**

**Nachwuchswettbewerb „Quantum Futur“**

**(junior scientist contest „Quantum Futur“)**

**Project name:** set project name here

**Acronym (short word):** set acronym here

**Project leader: Applying institution:**

Set name here Set name of the coordinating person here

Set Institution here Set applying Institution here

(your current institution)

Set address here Set address here

Set phone number here Set phone number here

Set E-Mail here Set E-Mail here

### Preface:

1. Before submission of the proposal, please remove all blue text elements. Do not change black texts.
2. This proposal should not exceed 20 pages (Arial 11, simple line spacing).
3. The submission of this sketch is the first step in a two-level process.

The proposal must contain all relevant information that are necessary for the German Federal Ministry of Education and Research to examine if the project is grant-worthy.

# Objectives

## Motivation and final objectives

What are the basic motivation and final objectives of the project? Give a summary of the proposal here.

## Relation to the funding measure

## How is the project related to the objectives of the funding measure?

## Industrial and social relevance of the topic

Why is the research topic relevant for the industry and society in general?

## Scientific and technical objectives

What are the specific scientific and technical objectives of the project?

Why are they necessary?

What are the targeted innovations?

## Expected contribution of the junior research group

Explain the expected contribution of the junior research group in connection with the existing professional priorities of the institution as well as cooperations.

# State of the art in science and technology and own preliminary work

## Problem description and initial situation

## Comparison with the international state of the art, existing property rights (own and third party)

## Novelty and attractiveness of the solution approach

## Advantages over competing approaches.

## Previous work of the funding applicant

Describe Previous work of the funding applicant related to the objectives of this project.

# Work plan

## Most important scientific and technical problems

## What are the most important technical and scientific problems that have to be addressed in the project?

## Solution approaches and work packages

## Which approaches and techniques shall be used to solve the problems from 3.1? Present the necessary tasks in corresponding work packages.

## Milestones

Define important milestones critical to success here.

## Cooperation with third parties

Describe the planned cooperation with third parties, if necessary. This also includes also planned involvement of the accompanying industry.

## Network diagram

Provide a diagram of the work packages and milestones plotted against time.

# Exploitation plan

## Scientific-technical and economic prospects of success

## What are the major scientific/technological risks?

## How are they addressed?

## What are major chances for a long-term economical exploitation of the research topic?

## What are major risks for a long-term economical exploitation of the research topic?

## Scientific-technical and economic aftermath

## How can the scientific/technical work be sensibly continued in the event of success?

## In case of success, which further steps are necessary until industrial exploitation?

## Is there a suitable property right concept?

## Concept for the continuation of the junior research group

## To ensure the long-term continuity of the group-structures after the project has been completed, a realistic and meaningful concept to this end is required. This concept must be explained in detail by the applying institution in particular.

## Financial plan

Rough financial quantity structure with tabular financing overview (specification of cost types and own/third-party funds)

# Appendix

The appendix does not contribute to the 20-page limit.

## Group leader’s scientific career

Short personal curriculum vitae and scientific career (starting with school-leaving), details of current employment, proof of doctoral degree.

## List of most important publications, patents etc.

## Optional: industrial letters of intent

If you have letters of intent from potential industrial partners, show them here.