

## Scientific concept: information and template

### Format and content:

- 4-5 pages, submission as a pdf file
- Submission deadline: between 2 and 5 months, depends on your familiarity with the topic, e.g. through Master-level research, and is agreed upon with the scientific coordinator upon enrolment
- Introduction and motivation to the **overall research question**, including the state of the art concerning this topic in literature
- Elaborate the scientific question you want to address: What is already known, which gap in research do you want to close?
- Give a short account of the work done in the first months
- Provisional **work plan** covering the while doctoral period, and some more details on the next 6 months

### Workflow:

1. Discuss draft with your supervisor and the scientific coordinator
2. Send final version to the supervisor, mentor and scientific coordinator

Doctoral Student's Name

Supervisor's Name / Mentor's Name

Thesis Title

Date

## Scientific Concept

My doctoral studies with the topic " ..." started in February 2020. The research is carried out in the framework of the SFB/TRR 102 or is funded by e.g. DFG FOR ??? .

Give a short introduction to the specific research field, a literature overview covering the state-of-the-art of science and elaborate the scientific questions you want to address. Include the work done in the first months.

Structure your PhD project with a provisional work plan for the PhD project. Give a more detailed plan for the next six months.

## References

- [1] Chen, S., Yan, T., Fischer, M., Mordvinkin, A., Saalwächter, K., Thurn-Albrecht, T., and Binder, W.H., *Angewandte Chemie (International ed. in English)*, Vol. 56, 13016–13020, 2017.
- [2] Dolynchuk, O., Tariq, M., and Thurn-Albrecht, T., *The journal of physical chemistry letters*, Vol. 10, 1942–1946, 2019.
- [3] Evgrafova, Z., Voigt, B., Baumann, M., Stephani, M., Binder, W.H., and Balbach, J., *Chemphyschem : a European journal of chemical physics and physical chemistry*, Vol. 20, 236–240, 2019.
- [4] Shakirov, T., and Paul, W., *The Journal of chemical physics*, Vol. 150, 84903, 2019.