

# PhD Position in Theoretical Chemistry at Uni Vienna

The group of Leticia González at the Institute of Theoretical Chemistry, University of Vienna is offering a PhD position for a duration of 3 years starting anytime. Information about the group can be found at <https://theochem.univie.ac.at/>.

The project focuses on simulating light-induced reactions of biological building blocks, requiring the application of state-of-the-art theoretical methods and develop new computational strategies for their use in photodynamics simulations. The outcome shall contribute to the understanding of complex mechanisms of excited-state reactions in biological environments.

## Your Tasks

- Application of molecular dynamics, QM/MM methods and nonadiabatic dynamics to systems in complex biological environments
- Application of single and multi-reference quantum chemistry methods
- Development of novel computational protocols
- Preparation of scientific publications and dissemination of your results in international conferences
- Participation in teaching activities in theoretical chemistry at the undergraduate level

## Your Profile

- Master of science (chemistry, physics, computational science, or similar)
- Good knowledge in theoretical chemistry, especially on one or more of the following topics: excited-state quantum chemistry, nonadiabatic dynamics or multiscale methods
- Hands-on experience with scientific computing and/or programming skills
- Strong communication, data presentation and data visualization skills
- Ability to work both independently and collaboratively.

**Interested?** Apply at <https://doschem.univie.ac.at/application/> before 24.04.2023.

For more information on this position, please contact Prof. Leticia González:  
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