PhD position in Computational Chemistry

A joint industry-academia position as part of an EU doctoral network

As part of a EU doctoral network we offer a PhD position in the area of photophysics / excited-states of the light harvesting complex using multiscale methods. The PhD study is jointly supervised by the Max Planck Institute of Coal Research and FACCTs GmbH. As part of the PhD program, you will be able to spend up to 9 months in other groups of the network within the EU.

Who is FACCTs?

FACCTs is a young growing technology start-up with first-class contacts to industry and academia. We are a spin-off from the Max Planck Society, where ORCA - our flagship program - is developed. ORCA is combining speed & accuracy in quantum chemical calculations. With more than 50.000 academic users it is, although the youngest, already the second most popular program amongst its competitors.

Who are you?

- You should hold a M.Sc. in Chemistry, (Bio)Physics, Biochemistry, or related.
- You have training in computational chemistry.
- You have worked with multiscale techniques or excited states.
- You have good English skills.
- You must not have resided in Germany for more than 12 months in the last 3 years (2021-2023).

What would you do?

- Apply multiscale methods to investigate the photophysics of the light harvesting complex.
- Evaluate new methods in the description of the relevant excited states.
- Investigate dynamic effects of the light harvesting process.
- Publish your results in academic journals, scientific conferences, as well as in meetings within the doctoral network.

Where would you work?

FACCTs is located in Cologne and the Max Planck Institute for Coal research is located in Mülheim (Ruhr), both in Germany.

You are interested?

Please email us @ jobs@faccts.de.