### Anbieter

**Universität**
Ruhr-Universität Bochum

**Institut / Einrichtung**
Fakultät für Chemie und Biochemie, Computational Materials Chemistry group

**Kategorie**
Wissenschaftl. Mitarbeiter(in)

### Angebot

**Titel**
Postdoc (w/m/d) for 1 year in the Computational Materials Chemistry group

**Einsatzort**
Universitätsstr. 150
44801 Bochum
Deutschland

**Beschreibung**
The Ruhr-Universität Bochum is one of the leading research universities. The university draws its strengths from both the diversity and the proximity of scientific and engineering disciplines on a single, coherent campus. This highly dynamic setting enables students and researchers to work across traditional boundaries of academic subjects and faculties.

Within the CRC-TRR 129 Oxyflame (http://www.oxyflame.de/) we are looking for a postdoctoral fellow in the CMC group (Faculty for Chemistry and Biochemistry, RUB) to strengthen the team of Prof. Rochus Schmid (http://www.rochusschmid.de) to develop atomisitic simulation methods for char burnout in a joint project with Prof. Christof Hättig (RUB). We aim at a multiscale and multimethod approach to understand the impact of the oxyfuel atmosphere on the combustion mechanism in order to allow efficient CO2 removal from the flue gas to lower the overall CO2 footprint.

If the position is funded by third-party funds the employee has no teaching obligation.

**Anforderungsprofil**
You are an experienced computational chemist with competence in the application of simulation methods ranging from force field and machine learning potentials to electronic structure methods.

You are trained in developing code and using modern tools of software development and you are fluent in Python as well as compiled languages (Fortran, C). You are motivated, creative and able to self-organize your research projects.

At Ruhr-Universität Bochum, we wish to promote careers of women in areas in which they have been underrepresented, and we would therefore like to encourage female candidates to send us their applications. Applications by suitable candidates with severe disabilities and other applicants with equal legal status are likewise most welcome.

**Vergütung**
TVL-13

**Art der Beschäftigung**
Vollzeit

**Zeitraum der Beschäftigung**
schnellstmöglich - 1 Jahr

**Bewerbungsfristende**
Montag, 13. April 2020 - 23:59
### Kontakt

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<tr>
<th>Vorname</th>
<th>Rochus</th>
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<tbody>
<tr>
<td>Name</td>
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**Link zu dieser Stellenanzeige:** https://www.stellenwerk-bochum.de/jobboerse/wissenschaftl-mitarbeiterin-postdoc-wmd-1-year-computational-materials-chemistry-group-bo-2020-03-23-307035

Bitte beziehen Sie sich in Ihrer Bewerbung auf https://www.stellenwerk-bochum.de/