Jacobs University is a private, state-accredited, English-language research university in Bremen. We offer PreDegree, Bachelor's, Master's and PhD programs in the Focus Areas Health, Mobility and Diversity and are committed to the professional development of specialists and managers and to knowledge transfer. Guiding principles include the highest standards in research and teaching, interculturality, and cross-disciplinary collaboration. The aim is to optimally prepare talented individuals from all over the world for responsible tasks in a globalized working world. Currently, approximately 1,500 young people from over 110 nations live and learn on campus.

The department of Life Science and Chemistry invites interested candidate to apply as early as possible. Review of applications will begin immediately and will continue until the position is filled. The candidate is expected to start before October 15th, 2022.

**PhD Position in Synthetic Organic Chemistry (m-f-d)**

*(Full-time; 38,5 hours/week; limited for 36 months)*

**Job ID 22-51**

The advertised position is paid and within the School of Sciences at Jacobs University Bremen. The applicant will have curiosity and enthusiasm for working through challenging organic chemistry projects and a desire to expand their theoretical and mechanistic knowledge of organic chemistry. The project will be focused on enantioselective organocatalytic method development and its application to the total synthesis of morphine or analogs thereof. The English language is used for all oral and written communication.

For relevant prior research, see:


**Your qualifications**

- Know how to set up organic reactions, monitor, and quench them. You are well versed in reaction optimization and have extensive experience purifying difficult to separate compounds by silica gel chromatography.
- Very good structure elucidation skills. Capable of in-depth interpretation of $^1$H and $^{13}$C NMR spectroscopy, as well as IR and MS data.
- You can write clear experimental descriptions and express spectral and HPLC data in a text format.
- You are able to perform in depth literature searches using the common databases, *e.g.*, SciFinder.

**Required education:**
M.Sc. degree in organic chemistry. Candidates with 1-6 years of industrial or academic experience synthesizing organic compounds beyond their M.Sc. degree are welcome to apply.

**Your application:**
For further information contact Prof. Dr. Thomas Nugent (*t.nugent@jacobs-university.de*).

For initial review, please send via e-mail a single pdf document containing: a brief letter of motivation and CV (minimum requirements: degrees and dates obtained, university name where degrees were granted, list of publications, and the names of two chemists, with their title, address, and e-mail contact information,
that can provide letters of recommendation). All e-mail inquiries should have a title stating: Synthetic Organic Chemistry PhD Position.

Jacobs University offers full equality of opportunity to all qualified applications and is an equal opportunity employer.