Scholarship-funded postdoctoral position in Organic Chemistry at the Department of Organic Chemistry. Closing date: April 22, 2022

Reference SU-433-0038-22

The Department of Organic Chemistry has an extensive research program, covering many areas of experimental and theoretical chemistry. Method development involving catalysis, sustainable chemistry, asymmetric synthesis, carbohydrate chemistry and enzyme chemistry are central themes.

Subject area
Title: Biomimetic Catalysis in Green Organic Reactions

A scholarship-funded postdoc position is offered in the group of Prof. Jan-E. Bäckvall at Stockholm University. The candidate will work on the development of novel transition metal-catalyzed catalytic processes to synthesize organic molecules with focus on the use of biomimetic organic oxidations. We will apply the principles of green chemistry, with emphasis on prevention of waste, and on atom economy and energy efficiency. The Bäckvall group works on the development of new metal-catalyzed processes to make C-C and C-heteroatom bonds using a variety of homogeneous and heterogeneous catalysts. The candidate should have a strong background on the development of catalytic processes and on the characterization of organic compounds. The scholarship is funded by Stockholm University for 1 year, but may be extended for a maximum of two years.

See the group websites www.organ.su.se/jeb for more information about the group, projects, and links to publications.

Qualification requirements
PhD in Organic Chemistry and experience from transition metal-catalyzed reactions in organic transformations

Selection
The selection among the eligible candidates will be based on their capacity to benefit from the training. The following criteria will be used to assess this capacity: the documented knowledge of the candidate in the relevant field of research (see research field above), written and oral proficiency in English, the capacity for analytical thinking, the ability to collaborate, as well as creativity, initiative, and independence. The assessment will be based on previous experience and scientific achievements, references, relevant experience, interviews, and the candidate’s written motivation for seeking the position.

Stockholm University strives to be a workplace free from discrimination and with equal opportunities for all.

Contact
For more information, please contact Professor Jan-E. Bäckvall
Email: jan.e.backvall@su.se, website: www.organ.su.se/jeb

Application
Apply for the position by sending an email to diarie@organ.su.se and to jan.e.backvall@su.se with the subject “Postdoctoral position Reference SU-433-0038-22”.

It is the responsibility of the applicant to ensure that the application is complete in accordance with the instructions in the advertisement, and that it is submitted before the deadline.

Please include the following two documents and up to 3 recommendation letters:
• CV – degrees and, work experience, English level and a list of degree projects/theses, and publications
• Cover letter (no more than 3 pages) where you describe
  – why you are interested in the field/project described in the advertisement
  – why and how you wish to complete the project
  – what makes you suitable for the project in question
• Letters of recommendation (no more than 3 files)

You are welcome to apply!

Stockholm University contributes to the development of sustainable democratic society through knowledge, enlightenment and the pursuit of truth.