



Department of Chemical Engineering

Catalysis Institute

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c*change (DST-NRF Centre of Excellence in Catalysis)

POSTDOCTORAL FELLOWSHIP IN HETEROGENEOUS CATALYSIS

A postdoctoral fellowship is being offered in the Catalysis Institute in the Department of Chemical Engineering in the area of heterogeneous catalysis in the synthesis gas program of c*change.

Scope of the Research

The research to be conducted is intended to develop an understanding of specific aspects of Fischer-Tropsch and related synthesis with emphasis on catalyst preparation and characterisation.

The Research fellow will have or be required to:

- Specific experience in Fischer-Tropsch synthesis, techniques of product analysis catalyst and nano materials preparation and characterisation will be given preference.
- As part of the successful incumbent's professional development, assistance with the supervision of relevant undergraduate and post-graduate research projects may be required.
- Assist with the identification of further research opportunities and initiate new post-graduate research projects

In addition, the successful candidate will be encouraged to conduct his/her own self-initiated research during the tenure of the fellowship under the supervision of **Prof Michael Claeys** and will be expected to register as a PDRF by no later than **31st July 2020**.

Tenure and Value

The Fellowship is valued between **R200,000 to R435,000 per annum** and does not include any fringe benefits. The Fellowship is renewable for two further years, contingent on satisfactory academic progress and on the availability of funds. Application to the SARS for tax-exemption is made by the University on behalf of the successful candidate.

Conditions of Award

- Eligible applicants must hold a PhD degree in Heterogenous Catalysis by metal catalysts.
- The PhD must have been granted within the past 5 years or provide satisfactory evidence that the PhD thesis has been submitted for examination should be provided.
- The successful candidate will be required to register as a Postdoctoral fellow at the University of Cape Town.
- All registered postdoctoral research Fellows are required to comply with the University's approved policies, procedures and practises of the postdoctoral sector.
- Applicants may not previously have held full-time permanent professional or academic positions.

Application procedure:

Suitable candidates are required to provide the following:

- a letter of application expressing research experience and interests;
- certified copies of all academic transcripts;
- a full CV, including details of publications; and
- names and addresses of at least two academic referees, with whom the applicant has worked.

Eligible and complete applications will be considered and must be submitted via email to **Michael.Claeys@uct.ac.za**.

The University of Cape Town reserves the right to:

- disqualify ineligible, incomplete and/or inappropriate applications,
- change the conditions of award or to make no awards at all