



## Department of Chemical Engineering

Centre for Catalysis Research  
c\*change (DST-NRF Centre of Excellence in Catalysis)  
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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 Department of Chemical Engineering in the area of heterogeneous catalysis in the synthesis gas program of c\*change. 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.

**Conditions of Award:** Eligible applicants must hold a PhD degree in Heterogeneous 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.

Applicants may not have held any permanent academic or professional posts. Applicants with specific experience in Fischer-Tropsch synthesis, techniques of product analysis (including GC-MS), catalyst and nano materials preparation and characterisation will be given preference.

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 at UCT by no later than 31 July 2017.

All registered postdoctoral research Fellows are required to comply with the University's approved policies, procedures and practises of the postdoctoral sector.

**Value and tenure:** The Fellowship is valued at R180,000 to R390,000 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.

**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.

Applications must be submitted to Michael Claeys  
Professor of Chemical Engineering  
Centre for Catalysis research & c\*change, DST-NRF Centre of Excellence in Catalysis (Director)  
Department of Chemical Engineering  
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**by no later than 15 September 2017.**

**The University of Cape Town reserves the right to:**

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