



Jan Boeyens Structural Chemistry Laboratory, School of Chemistry, University of the Witwatersrand, Johannesburg, South Africa

Call for Applicants for Claude Leon Postdoctoral Fellowship 2019

DEVELOPING TECHNIQUES FOR THE STRUCTURE DETERMINATION OF ORGANIC MATERIALS AT HIGH PRESSURE

The Structural Chemistry Laboratory is looking for candidates to start a postdoctoral project from January 2019 onwards. Funding for the fellowship will involve applying to the **Claude Leon Postdoctoral Fellowship Programme**. The Fellowship will be awarded for two years and the stipend will be **R 275,000.00 (€ 18,000)** per year. Candidates who are interested need to send a complete CV together with a reference letter from their PhD and/or current postdoctoral supervisor by 28 February 2018. Candidates will be shortlisted for an interview and a single candidate will be announced by 1 April 2018, who will then spearhead the application process further. For more information, visit:

<http://www.leonfoundation.co.za/postdoctoral.htm>

The primary objectives of the project are local technique and skills development in the crystallization and structural analysis of organic and/or inorganic-organic materials at high pressure ($\approx 10\text{GPa}$). The group has a Bruker Venture D8 Photon 100 instrument fitted out with a microfocus Ag source. The DAC is a Diacell® Bragg-(G)Plus Diamond Anvil Cell from EASYLAB.

Candidates must have graduated with a PhD within the last five years in a relevant scientific discipline and have substantial experience with single-crystal diffraction using a DAC cell. Experience with BRUKER SCXRD and/or Diacell is particularly advantageous. The candidate is expected to work independently and drive the project on their own accord, as well as training postgraduate students on the technique.

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