



**Chan
Zuckerberg
Initiative** 



Postdoctoral Research Fellowship in Cryo-Electron Microscopy

Training in Cryo-EM for Southern Africa project invites applications from suitably qualified doctoral graduates for a one-year fellowship (with the possibility of renewal for a further two years) based in the Electron Microscope Unit, University of Cape Town, South Africa.

The project aims to run a series of hands-on and remote workshops to increase the utilisation of cryo-electron microscopy in the Southern Africa region. The project is supported by the Chan Zuckerberg Initiative for a period of three years.

The successful candidate will guide workshop participants through the stages of protein purification, cryo-EM grid optimisation, data collection and data analysis. Candidates with knowledge of microscopy or structural biology techniques are preferred, but training will be provided. You will produce research outputs and contribute to developing future research projects.

Conditions of Award

- Application is open to candidates of any nationality.
- Applicants must have received a doctoral degree (within the previous 5 years).
- Applicants may not have held full-time permanent professional or academic posts.
- Successful applicants will be required to comply with the University of Cape Town's approved policies, procedures and practices for postdoctoral fellows. - 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.

Value and Tenure of Award

- The value of the fellowship is ZAR360 000 and is tenable for one year.
- The fellowship will start on the 1st February 2022 or soon thereafter.
- The fellowship is tenable for 1 year, where renewal for a second year is possible, such renewal will be considered on evidence of satisfactory progress and availability of funds.
- The fellowship does not include any travel allowances, accommodation or other benefits. Application for tax exemption will be made by the University.

Academic Criteria

- The fellowship is only available to individuals who have achieved the doctoral degree within the past 5 years.
- Applicants should have graduated with a PhD in a relevant field, including Structural Biology, Biochemistry, Protein Crystallography and other related disciplines. Preference will be given to applicants with experience in protein purification, microscopy and/or structural analysis.

Application Requirements

- A letter of application outlining the applicant's expertise, research interests and experience.
- A *Curriculum Vitae* including a list of publications and scholarly output.
- Certified copies of all academic transcripts.
- An example of written work.
- Names and contact details or letters of reference from two referees. The referees must be academics who have taught, supervised or worked alongside the applicant.

Requests for further information about the fellowship and for sending complete applications including transcripts, letters, etc. contact: Jeremy Woodward jeremy.woodward@uct.ac.za