



Postdoctoral Fellowship: TB Immunology

Closing date:
31 October 2025

The South African Tuberculosis Vaccine Initiative performs cutting edge clinical, epidemiological and immunological research in clinical vaccine development, TB pathogenesis and biomarker discovery in a setting where TB is endemic. We have completed 31 clinical trials of nine novel TB vaccine candidates as well as BCG vaccine, including two pivotal trials that demonstrated efficacy. We are also leading efforts, along with a large international consortium, to discover immune correlates of vaccine protection against TB, including in lung and lymph node tissues.

We are inviting applications for a postdoctoral fellowship within our dynamic clinical immunology group to conduct immunology research on TB vaccines and immunopathogenesis in humans. The project responsibilities will entail design, execution, quality assurance, analysis, interpretation and reporting of immune responses in human clinical trials of novel TB vaccines or lung and lymph node immune responses.

The position will be located in Cape Town and will require regular visits to our Clinical Field Site in Worcester, 110km from Cape Town. The position will provide opportunities to work in collaboration with local and global leaders in immunology, vaccinology and systems biology.

For more information on SATVI, visit www.satvi.uct.ac.za or contact Profs **Thomas Scriba** or **Elisa Nemes**.

The fellowship is initially tenable for two years, but renewal each year will be contingent on annual progress and performance reviews. The amount awarded to the successful incumbent will be valued between R375,000 and R450,000 and will depend on relevant experience and skills. The fellowship is compliant with the rules set by the South African Revenue Service (SARS) and is exempt from taxation and includes no benefits. No direct service will be required in return for the fellowship.

Key requirements:

- PhD in immunology, systems immunology or related field, achieved within the last 3 years
- Excellent knowledge of adaptive and innate immunity
- Excellent leadership and communication skills
- Experience in flow cytometry, mass cytometry or other single cell technologies
- Skills and experience in programming
- Demonstrated solid scientific proficiency, creativity, critical thinking ability to collaborate effectively with others, and independent thought processes.
- Authorship of peer-reviewed publications related to immunology or computational biology.

Desirables:

- Skills in the application of computational and statistical analytical techniques with a focus on high-dimensional and multivariate data analysis
- Experience with clinical trials and good clinical practice
- Ability to handle multiple projects and priorities with exceptional organizational and time management skills.
- Excellent knowledge of statistics

The successful incumbent must be prepared to comply with the University's approved policies, procedures and practices for the postdoctoral sector. Applicants may not have previously held full-time permanent professional or academic posts.

Potential applicants are encouraged to contact Prof. Thomas Scriba (thomas.scriba@uct.ac.za) or Prof. Elisa Nemes (elisa.nemes@uct.ac.za), by e-mail prior to application.

Please send: • a letter of motivation • your full CV (no certificates) • a 1-page condensed CV • the names, email and telephone of 3 referees to Mrs. Alison September, a.september@uct.ac.za
Email: a.september@uct.ac.za; Tel: 021 4066791

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