

SARChI postdoctoral position in extragalactic MeerKAT HI science University of Cape Town

The [Department of Astronomy](#) of the [University of Cape Town](#) is offering a postdoctoral position to work with Prof Renée C. Kraan-Korteweg, South African Research Chair in Extragalactic Multi-wavelength Astronomy, on HI-data obtained with the recently completed 64-dish MeerKAT radio telescope of the [South African Radio Astronomical Radio Observatory](#).

We are looking for an enthusiastic young radio astronomer with experience in analysing HI radio interferometric data, interested in working with the dynamic UCT HI radio-astronomy team. You would primarily be working on existing – and future - extragalactic HI-data obtained with the South African SKA Pathfinder [MeerKAT](#), applying pipelines like the MeerKATHI and the [IDIA](#) Pipelines, and tools such as SOFIA. The research will form part of the MeerKAT HI-projects led by Kraan-Korteweg (e.g. the Vela SCL and Galactic Plane Survey), as well as the MeerKAT Large-Survey-Projects LADUMA, FORNAX and MIGHTEE-HI. The successful applicant will be able to dedicate a significant fraction of his/her time on their own research, and will have access to the South African MeerKAT open time, and the optical 10m [SALT](#) telescope (the 30% South-African share) and other [SAAO](#) telescopes. Light departmental duties, such as help in tutoring, seminars, journal clubs and postgraduate student supervision will be expected.

The appointment is for two years, with possible extension of one year. A PhD in astronomy is required, postdoctoral experience a bonus. The salary is tax-free. Equipment and travel funding is available. Interested candidates should send a CV, bibliography, brief summary of research, outline of future plans, and arrange for three letters of recommendation to be sent to kraan@ast.uct.ac.za by January 31st, 2020. Applications will be considered from that date until the positions are filled. The position is available immediately.

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