

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 D.J Pisano, 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. Experience with single-dish radio data and multi-wavelength data is a bonus. You would primarily be working on existing – and future - extragalactic HI-data obtained with the South African SKA Pathfinder [MeerKAT](#). The research will contribute to the MeerKAT Large Survey Projects that Prof. D.J. Pisano is involved in, including LADUMA, MHONGOOSE and MIGHTEE-HI, and other HI surveys, such as CHILES and PHANGS-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 djpisano@mail.wvu.edu by December 6, 2021. Applications will be considered from that date until the positions are filled. The position is available immediately.

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