

Advertisement: Post-doctoral researcher in laser microscopy

The Laser Research Institute at Stellenbosch University has defined a project to develop non-linear microscopy capability. We are searching for a post-doctoral researcher to join a multidisciplinary research team, which includes experts from all relevant specialisations in ultrafast laser technology, spectroscopy, microscopy, theoretical modelling and physiology from national and international research institutes which has been put together. The project builds on existing knowledge and infrastructure, aiming to develop new world leading technology in biophotonic imaging and to build up the expertise necessary in order to establish a world-renowned research group of excellence able to compete in this focus area at the highest international level.

The ideal candidate should have a PhD and appropriate experience in spatial light modulation, short pulse white light generation and pulse compression techniques and temporal and spatial ptychography. Knowledge and experience of techniques such as Multiphoton intrapulse interference phase scan (MIIPS) and fields such as nonlinear intensity spectroscopy, microscopy, imaging, single molecule microscopy and time-resolved spectroscopy, will be strong recommendations.

Please forward the following information to egr@sun.ac.za

- A CV and cover letter
- Two letters of recommendation from previous supervisors or lecturers
- Copies of academic qualifications
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Closing date: 31 May 2015