

University of the Free State Strategic Academic Clusters

Prestige Postdoctoral Fellowships

Selection Criteria & Contact Information

Cluster	WATER Management in Water Scarc Areas	New frontiers in Poverty Reduction and Sustainable DEVELOPMENT	Technologies for Sustainable CROP INDUSTRIES in Semi- Arid Regions	Materials and NANOSCIENCES	Advanced BIOMOLECULAR Research
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Field(s) of study supported</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Focus Area descriptions available at</p>	<p>The proposed research must address the overall theme of the Cluster (noted above) within one of the Cluster Focus Areas (noted below)</p>				
	<ol style="list-style-type: none"> 1. Environmental Water Requirements 2. Disaster Risk Reduction 3. Eco-physiology specialising in plant water relationships and drought adaptations 4. Effect of dewatering activities of iron mines on the availability of water for natural plant 5. Water and salinity management under irrigation: Spatial and temporal properties of water tables and the effect on yield of crops 6. Mulching under centre pivot irrigation: Spatial and temporal effect of mulches on yield and soil water balance components 7. Optimal water-use for development in water-scarce areas 8. Climate Change and Variability in water-scarce areas. <p>http://research.ufs.ac.za/default.aspx?hid=2</p>	<p>FOCUS AREA 1: SOCIALRESILIENCE</p> <ol style="list-style-type: none"> 1 The social aspects of HIV, TB and nutrition 2. Community development 3. Family resilience 3. Community development 4. The narrative study of lives <p>FOCUS AREA 2: ECONOMIC DEVELOPMENT AND REGIONALISM</p> <ol style="list-style-type: none"> 5. Participatory Geographic information Systems 6. Mountain-based development 7. Arid areas and desert development 8. Small towns and rural-urban linkages 9. Small and medium enterprises and social entrepreneurship 10. The impact of universities on regional development <p>FOCUS AREA 3: HUMAN SETTLEMENTS</p> <ol style="list-style-type: none"> 11. Green construction 12. Architecture and heritage <p>http://research.ufs.ac.za/default.aspx?hid=3</p>	<ol style="list-style-type: none"> 1. Production Technologies for Managing Crop Environments 2. Genetic Technologies for Crop Improvement 3. Technologies for Adding Value to and Improving Crop Product Quality <p>http://research.ufs.ac.za/default.aspx?hid=5</p>	<ol style="list-style-type: none"> 1. Nano solid state materials 2. Petrochemicals 3. Polymers <p>http://research.ufs.ac.za/default.aspx?hid=6</p>	<ol style="list-style-type: none"> 1.High Throughput Biology 2. Bioinformatics 3. Advanced Cloning Systems 4. Novel Drugs Discovery <p>http://research.ufs.ac.za/default.aspx?hid=7</p>

Eligibility & selection criteria	<ul style="list-style-type: none"> ✓ All South African and foreign candidates are eligible. ✓ Only applicants who attained the PhD degree <u>no longer than 5 years ago</u>, or who are currently registered for a Doctoral degree with an envisaged completion date before April 2013. ✓ Applicants must have demonstrated academic excellence/ potential in their Doctoral studies. Applicants' publication record/ research outputs will weigh heavily in this regard. ✓ At least 50% of all fellowships will be awarded to black and/or female researchers, and/or researchers with disabilities. ✓ At least 50% of all fellowships will be awarded to researchers who completed or are currently studying towards their Doctoral degree at an institution other than the UFS. ✓ At least 30% of all fellowships will be awarded to non-South Africans. 				
Stipendiation	<ul style="list-style-type: none"> ✓ Fellows are allowed to hold, with prior UFS permission, supplementary bursaries, grants or emoluments with unlimited values. ✓ Fellows may not hold full-time salaried employment during the tenure of the bursary. ✓ Fellows may be required to undertake a maximum average of 12 hours of teaching, tutorials, research assistance or demonstration duties per week, relevant to their field of study. ✓ Fellows will be required to produce publication outputs based on their postdoctoral research, of a type and quantity as agreed in advance with their supervisor. 				
Value of the fellowship	R250,000.00 per annum				
Max period of support	2 years				
Dates and deadlines	<p style="text-align: center;">Application deadline: 24 August 2012.</p> <p style="text-align: center;"><i>Shortlist candidates will be notified as soon as possible. Interviews will take place in Bloemfontein.</i></p>				
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