



NORTH-WEST UNIVERSITY
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POTCHEFSTROOM CAMPUS

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**Center of Excellence for
Pharmaceutical Sciences
(PHARMACEN)**

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POSTDOCTORAL RESEARCH FELLOWSHIPS-2018

Applications from suitably qualified doctoral graduates are invited to apply for a full-time, postdoctoral research fellowship available in the Centre of Excellence for Pharmaceutical Sciences (PHARMACEN): Translational Neuroscience and Neurotherapeutics, Faculty of Health Sciences, North West University, Potchefstroom.

The research group is focused on developing translational rodent and zebra fish models of anxiety and stress-related conditions, understanding the molecular functioning of cell-signalling mechanisms in these illnesses, developing novel drug targets within these systems, and assessing novel drug candidates.

The successful applicant will be expected to undertake their own research project furthering the Centre's investigations into novel therapeutic entities in treating disorders such as depression, schizophrenia, posttraumatic stress disorder (PTSD), obsessive compulsive disorder (OCD) and addiction, and to supervise postgraduate students working in these areas. The candidate is expected to be capable of undertaking independent research, to provide mentorship for early-career investigators, publish the work undertaken during their post-doctoral study in peer-reviewed journals, and to assist in the preparation of other manuscripts for publication.

Overview of PHARMACEN: See the following links:

You Tube:

https://www.youtube.com/watch?v=7wofK0642S0&list=PLWNWJ9AnqGX9jZYrJXvpj4LnwaXmCj6_U

Google Scholar profile:

https://scholar.google.co.za/citations?hl=en&user=Q8117sgAAAJ&sortby=pubdate&view_op=list_works&qmla=AJsN-F7iivXiAgGLGAtb5eECytQqIIMQ5xIGdzqDqHPgf-aYpTJQKdt-1fri3o0yNiczFhnxp5sxAwHp0ZP2fbu3SrugVh4S5iH-RXT7MNULYxOodHuSBWk

Requirements:

- Closing date: 30 November 2017
- Prospective candidates should have demonstrated their ability to conduct meritorious research and have appropriate training as researchers.
- PhD in behavioural neuroscience, biological science or health science discipline.
- Experience in:
 - Behavioural analysis in animals relating to the core business of the Center
 - Bioanalysis (HPLC; LCMS etc)
 - ex vivo cell biology assays
 - Molecular biology techniques (Western blot, PCR etc).

The fellowship amount is R178,500.00 per annum and is tenable from one until three years depending on satisfactory progress on the research project(s), productive integration into the research group and availability of funding. R20,000.00 per annum will be made available for running costs and up to R20,000.00 for relocation costs as the campus will be the fellows full time base. Appointment commences 01 January 2018 or as soon as possible thereafter.

Application process:

The person who will be acting as the successful candidate's supervisor will submit an application on behalf of the candidate and if approved by the relevant Dean an award letter will be issued by the Institutional Department of Research Support, upon which the post-doctoral fellow must indicate in writing that the grant will be taken up.

Please e-mail the information outlined below to Prof Brian Harvey at NWU: Brian.Harvey@nwu.ac.za

- Covering letter including brief synopses of previous research projects and motivation detailing how your skills and research expertise will enhance the Centre's research programme.
- Curriculum Vitae (including publications)
- Certified copies of doctoral degree certificate
- A list of three contactable referees (with their email addresses)
- Please review the NWU post-doc guidelines:
<http://www.nwu.ac.za/research-support/postdoc-info>