



THE UNIVERSITY OF
WESTERN AUSTRALIA

Achieving International Excellence



PhD Scholarship – Applied Geochemistry

SCHOOL OF EARTH AND GEOGRAPHICAL SCIENCES at The University of Western Australia.

We are seeking a highly motivated PhD student to work within a project funded by the Australian Research Council and Newmont Exploration Pty. Ltd.

The project aims are to develop a new exploration technology for geochemical analysis of soils, sediments and groundwater, by modifying the Diffusive Gradients in Thin Films (DGT) technique. The new analytical methodology will be used to evaluate a hypothesis that biological mechanisms, particularly uptake of elements by deep-rooted plants, can generate anomalous geochemical signatures in soils which indicate concealed mineralisation.

You will join a multi-disciplinary research team. We collaborate with researchers in industry, in the UWA Centre for Microscopy Characterisation and Analysis, as well as other Australian and international Universities. The team's current research topics include aquatic/ environmental chemistry, exploration geochemistry, and soil/regolith geochemistry.

The project will provide an exceptional opportunity to train within the research and mineral exploration sectors, and opportunity to travel to and work with collaborating partners at Lancaster University, UK.

Eligibility: Applicants must be an Australian or New Zealand citizen, or permanent resident of Australia, and have at least an upper-second class Honours degree.

Stipend: \$26,669 pa tax-free.

Start date: **March 2009** (negotiable)

For further information contact:

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