

Imperial College London
Department of Earth Science and Engineering
Statoil Research Associate
in Basin Analysis

A fixed term appointment until 31 December 2012

Salary in the range: £30,520 - £33,080 per annum

Applications are invited for a Research Associate to join a multidisciplinary research group investigating the tectono-stratigraphic evolution of sedimentary basins. The exact focus of the Research Associate has been left deliberately open; we are looking for a candidate who has relevant and related research interests. In particular, we would like to receive applications from candidates with interests in one or several of the following:

- Rift-initiation development of normal fault blocks
- Growth of normal fault arrays and control on syn-rift sediment dispersal
- Fault-scarp degradation processes and products in rift basins
- Three-dimensional development of inversion structures in rift basins
- Growth of salt-related normal fault arrays and impact on sedimentation patterns
- Controls on sediment provenance and routing in drainage catchments and linked deltas

The research project will be undertaken within the Petroleum Geoscience and Engineering Research Section of the Department of Earth Science and Engineering at Imperial College London. Applicants should be educated to at least PhD (or equivalent) level. You will join a dynamic, close-knit, interdisciplinary research team and you will contribute to the Department of Earth Science and Engineering's commitment to develop novel, integrated methods for the tectono-stratigraphic analysis of sedimentary basins. The successful applicant will be encouraged to develop their research career over a longer timescale within this framework and to liaise closely with our industry sponsors.

Excellent communication and organisational skills are essential.

Informal inquiries about the position can be made to Dr Christopher Jackson by email at c.jackson@imperial.ac.uk or telephone +44 (0) 20 7594 7450. Further information about the department can be found at www.imperial.ac.uk/ese. The successful applicant will join the Sedimentary Basins Research Group (<http://www3.imperial.ac.uk/earthscienceandengineering/research/basins>)

Our preferred method of application is online via our website at the following link: <http://www3.imperial.ac.uk/employment> (select "Job Search" and enter the job reference no **EN20100041**). Please complete and upload an application form as directed and submit any other relevant supporting documents such as your full CV.

Should you have any queries please contact: Mrs Darakshan Khan (d.khan@imperial.ac.uk).

Closing date: Friday 27 March 2010

Valuing diversity and committed to equality of opportunity. We are also an Athena Silver SWAN Award winner and a Stonewall Diversity Champion

JOB DESCRIPTION

Job Title:	Research Associate
Grade:	Level B, Research and Education Job Family
Responsible to:	Dr Christopher Jackson
Liaison with:	Academics, Research Staff and Postgraduate Students
Key Working Relationships:	Project co-PI Dr Gary Hampson; employees of the sponsoring company (Statoil)
Summary of the post:	Utilisation of integrated outcrop and subsurface datasets to better understand the structural and stratigraphic evolution of sedimentary basins

The Purpose of the Post:

To undertake and disseminate international-class research as part of an inter-disciplinary and multi-institute research group investigating the structural and stratigraphic evolution of sedimentary basins. The project is being undertaken within the Petroleum Geoscience Section of the Department of Earth Science and Engineering at Imperial College London. It is funded by Statoil ASA.

Key Responsibilities:

- Undertake international-class research to investigate the tectono-stratigraphic development of sedimentary basins
- Disseminate the findings at conferences and in articles published in high-quality refereed journals
- Supervise PhD and MSc students which form part of the interdisciplinary team working on the project. From time to time you will supervise aspects of their work in which you have expertise or which are relevant to your research
- Attend team meetings
- Collaborate with and provide assistance and guidance to staff/students
- Attend relevant workshops and conferences as necessary
- Develop contacts and research collaborations within the Department and wider academic community in order to further the project aims
- Collaborate with researchers and PhD students involved in the project and related activities
- Contribute to future research and industry funding proposals related to this work
- Promote the reputation of the Group, the Department and the College
- To comply with relevant College policies, including Financial Regulations, Equal Opportunities Policy, Promoting Race Equality Policy, Health and Safety Policy, Information Systems Security Policy and Intellectual Property Rights and Register of Interests Policies

Job descriptions cannot be exhaustive and the post-holder may be required to undertake other duties, which are broadly in line with the above key responsibilities.

Imperial College is committed to equality of opportunity and of eliminating discrimination. All employees are expected to adhere to the principles set out in its Equal Opportunities in Employment Policy, Promoting Race Equality Policy and Disability Policy and all other relevant guidance/practice framework.

PERSON SPECIFICATION

Applicants are required to demonstrate that they possess the following attributes:

Qualifications:

- A PhD (or equivalent) in any of the following disciplines: Geology, Geophysics, Physical Geography, Numerical Modelling of geological processes

Experience and Knowledge:

- Significant and relevant scientific publications in well-respected scholarly journals
- Experience of research in one or more of the following areas: seismic interpretation, stratigraphic analysis using borehole data (core, wireline logs, etc), structural and stratigraphic field mapping and sedimentary logging, numerical modelling of earth surface processes and numerical modelling of structural processes
- Experience of writing research papers and giving presentations

Skills and Abilities:

- Ability to undertake international-class research in the tectono-stratigraphic analysis of sedimentary basins and to disseminate the findings at conferences and in articles published in high-quality refereed journals
- A demonstrated ability for innovation and original research
- Good organisational and multi-tasking abilities
- Ability to exercise initiative and judgment in carrying out research tasks
- Ability to write clearly and concisely to a level consistent with publication in highly regarded international journals
- Ability to relate appropriately to others and to work as part of a team
- Capable of formulating, planning and carrying out a complex research programme
- Highly motivated and able to quickly develop skills necessary to achieve broad project goals
- Able to work well within a cross-disciplinary research alliance
- Willing to work with other team members and the wider academic community