



UNIVERSITY OF
CALGARY

Postdoctoral Scholar Origin and Migration of Fluids Associated with Unconventional Hydrocarbon Reservoirs, Faculty of Science

Job ID: 24846

Updated: January 20, 2022

Location: Main Campus

We would like to take this opportunity to acknowledge the traditional territories of the people of the Treaty 7 region in Southern Alberta. The City of Calgary is also home to Métis Nation of Alberta, Region III.

Position Description

Area: Origin and Migration of Fluids Associated with Unconventional Hydrocarbon Reservoirs
Duration: Two years
Start date: July 1, 2022 (or earlier)
Salary: \$65,000 CAD per year, plus Alberta Blue Cross Plan C Health Insurance benefits

The **Department of Geoscience** in the **Faculty of Science** at the University of Calgary is accepting applications for a **Postdoctoral Scholar in the Applied Geochemistry group**.

Job Description:

We are seeking a postdoctoral associate in the Applied Geochemistry group in the Department of Geoscience at the University of Calgary (Alberta, Canada) interested in conducting innovative research on the origin and migration of fluids associated with unconventional hydrocarbon reservoirs. The successful candidate will use geochemical and isotopic tools and modeling approaches for flowback and produced fluids from oil and gas wells in Western Canada and elsewhere to investigate water-rock-gas interactions in low permeability hydrocarbon reservoirs, evaluate the origin of produced fluids, and develop tracer approaches suitable for detecting cross-formational flow and gas migration. There may also be opportunities to apply similar geochemical approaches to gas storage projects (e.g. CO₂, hydrogen). Excellent communication skills and a high level of productivity in terms of peer-reviewed publications are expected.

Qualifications:

- The applicant must have a PhD* in geology with specialization in geochemistry, or a closely related discipline.
- Previous experience working with geochemical and/or isotopic data is required.
- A record of innovative research evidenced by peer-reviewed publications in high-ranking journals.
- Excellent written and verbal communication skills.
- The applicant must be capable of working in a self-directed manner within a team environment.
- Excellent multi-tasking skills to provide support to other members of the project team.

**To be eligible as a Postdoctoral scholar at the University of Calgary, you must have been awarded a PhD or equivalent within the five (5) years immediately preceding the appointment end date. Please review the [Postdoc Eligibility Guidelines](#) for more information prior to applying for this position.*

Application details:

The successful applicant will commence the Postdoctoral Fellowship no later than July 1, 2022. Evaluation of applications will start on April 1, 2022.

For full consideration, please submit your application online using the Apply Now button **on or before Friday, April 1, 2022 at 11:59 p.m. MDT** using the following link:

<https://careers.ucalgary.ca/jobs/8418147-postdoctoral-scholar-origin-and-migration-of-fluids-associated-with-unconventional-hydrocarbon-reservoirs-faculty-of-science#start>

All applications must include:

- a cover letter including date of availability, suitability and motivation for the role, including statement of research interests and goals;
- current curriculum vitae (CV) including a list of publications;
- official or unofficial copy of diplomas / university certificate(s); and
- contact information including email addresses for three (3) references to support the application.

Please review the [Postdoc Eligibility Guidelines](#) for more information prior to applying for this position. The terms and conditions of employment are covered under the UCalgary and PDAC Collective Agreement. To find out more about postdoctoral scholar program at the University of Calgary visit our [Postdocs](#) website.

Information about the Department of Geoscience can be found [online](#).

Additional Information

To learn more about postdoctoral scholar opportunities at the University of Calgary and all we have to offer, view our [Postdoc Careers website](#). For more information about the Faculty of Science visit [Careers in the Faculty of Science](#).

COVIDSafe Campus Strategy

The University has implemented a new **Vaccination Directive** that requires all faculty and staff to be fully vaccinated against COVID-19 by January 1, 2022. You will be required to upload proof of vaccination prior to commencing your duties. Please review the **COVIDSafe Campus website** for further information and access to additional resources.

About the University of Calgary

The University of Calgary is Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation's most enterprising city, the university is making tremendous progress on its Eyes High journey to be recognized as one of Canada's top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. The University of Calgary inspires and supports discovery, creativity and innovation across all disciplines. For more information, visit [ucalgary.ca](#).

To succeed as one of Canada's top universities, where new ideas are created, tested and applied through first-class teaching and research, the University of Calgary needs more of the best minds in our classrooms and labs. We're increasing our scholarly capacity by investing in people who want to change the world, bringing the best and brightest to Calgary to form a global intellectual hub and achieve advances that matter to everyone. For more information visit [research.ucalgary.ca/postdocs](#).

About Calgary, Alberta

Calgary is one of the world's cleanest cities and has been named one of the world's most livable cities for years. Calgary is a city of leaders – in business, community, philanthropy and volunteerism. Calgarians benefit from the strongest economy in the nation and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

The University of Calgary has launched an institution-wide **Indigenous Strategy** in line with the foundational goals of **Eyes High**, committing to creating a rich, vibrant, and culturally competent campus that welcomes and supports Indigenous Peoples, encourages Indigenous community partnerships, is inclusive of Indigenous perspectives in all that we do.

The University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that have been historically encountered by some people in our society. We strive to recruit individuals who will further enhance our diversity and will support their professional success while they are here.

APPLY NOW

Need help?

View our **Application FAQs** for answers to common questions regarding the application and selection process.