

**Seeking a qualified candidate for a post-doctoral position in
dynamic catalyst science.**

Position: Postdoctoral Scholar, 1.0 FTE

Location: Idaho Falls, Idaho

Duration: 1 years (June 15, 2022 – June 14, 2023), renewable for two more years.

Availability: Immediately, open until filled

Salary: Commensurate with qualifications and experience as per [OSU guidelines](#)

Position Summary: This position as a Postdoctoral Scholar is a fixed-term, 12-month, 1.0 FTE appointment through the School of Chemical, Biological, and Environmental Engineering (CBEE) with the **Goulas group, in collaboration with Idaho National Laboratory (INL).**

Description of Duties:

1. Conducting transient kinetic experiments, performing data analysis, interpretation and visualization to understand the role of catalyst composition, modified via atomic layer deposition, in a complex chemical reaction network.
2. Performing structural, composition and kinetic characterization of heterogeneous catalysts.
3. Collaborating with other Oregon State University, Idaho National Lab and industrial partners to develop heterogeneous catalysts for chemical manufacturing using the tools of dynamic catalyst science.
4. The candidate will be responsible to present research results for Department of Energy reporting in a timely manner in addition to presentations at national meetings and for peer-review publication.
5. Create an individual development plan to establish career and project-based teaching goals and track progress towards achieving stated goals.
6. Assist with the development of research proposals; participate in a variety of outreach activities; and support undergraduate and graduate student success.
7. Additional professional development opportunities include:
 1. Establishing collaborations with project personnel, graduate students, OSU faculty, and collaborating faculty at other institutions.
 2. Supervision and mentorship of graduate students; with input from the project PI, the postdoctoral scholar will plan, assign, and approve work.
 3. Professional networking and soft skills development by participating in conferences, workshops, seminars, and training programs, with supervisor approval.
 4. Project report and grant writing experience, with supervisor approval.

Work Schedule/Working Conditions: Full time. Work will be conducted in a laboratory and office setting. Occasionally projects may require the postdoctoral scholar to work at atypical times (e.g., evenings, weekends).

Minimum Required Qualifications:

- Ph.D. in Chemical Engineering or other related discipline
- Proven track-record of independent research, critical thinking, and successful academic publications.
- Excellent written and verbal communication skills.
- Experience in writing manuscripts for peer-reviewed publications
- Computational and statistical skills
- Ability to work independently and in a team
- Excellent oral and written communication skills
- Excellent organizational and time management skills
- A commitment to promoting and enhancing diversity

Preferred Special Qualifications:

Experience with the use of transient kinetics techniques and/or kinetic modeling is highly desired along with a strong publication record in the area of heterogeneous catalysis.

Other Job-Related Skills and Abilities: A criminal history check will be required.

Please note: only qualified candidates with the required expertise will be contacted. Applicants with experience in heterogeneous catalysis are encouraged to apply.

Application Materials:

- A detailed CV.
- A two-page statement describing your background, how you fit the advertised position, and your commitment to collaboration, diversity, equity, inclusion, and community building.
- Contact information for three references.

To apply: Submit application materials as a single .pdf file via email to Dr. Kostas Goulas at kostas.goulas@oregonstate.edu.

Contact:

Kostas Goulas

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