
Role Specification

Job title: Associate Chemist

Location: Ohio, USA

Date: April 2024

We are **Velocys**. A leading technology company playing a crucial part in the global Energy Transition.

Our patented catalyst and micro-channel reactor platform provide a scalable, flexible solution enabling the production of Sustainable Aviation Fuel (SAF) from a broad range of renewable carbon and hydrogen sources, including municipal solid waste, woody biomass, biogas, and green hydrogen.

Our performance at commercial scale has been demonstrated. Our competitive advantage comes not only from our technology, but also from two decades of operational and engineering experience. Together, with a deep understanding of the challenges and opportunities of developing SAF production capacity, the value we provide to our clients is second to none.

We are a UK-based company with a strong presence in the US across two sites; an engineering and commercial centre in Houston, Texas and a technology and manufacturing facility in Columbus, Ohio. Our 45-strong team of subject matter experts in Engineering, Manufacturing and Finance (to name a few), have one common goal: directing the future of aviation in a more sustainable trajectory.

Do you want to be part of the change?

About the role

We're looking for an extremely organised, motivated Associate Chemist with strong knowledge of chemical fundamentals to work within our Catalyst team in Ohio. From synthesizing and characterizing heterogeneous catalysts for use in our microchannel reactors, from assessing procedures and evaluating hazards in lab-scale experimentation, data entry, to assisting in preparation of technical reports and perfecting patent applications, this is a varied role where you'll have the opportunity to make an impact from the get-go, and work with a fantastic group of people.

A day in the life

As our Associate Chemist, you could:

- Synthesize catalysts and catalyst intermediates
- Conduct experiments on noncatalytic reactivity of fresh and used catalysts

- Conduct physicochemical measurements to determine material texture, composition, and more, and how they evolve during catalytic use
- Assist in analysis of X-ray diffraction data and electron microscopy imagery, perhaps travelling to outside labs to acquire these data
- Maintain an accurate, detailed electronic lab book
- Collaborate with team members to plan and execute new experiments
- Create safety analyses for new experiments, participate in safety reviews and help maintain a safe working environment in the laboratory
- Gain fluency in relevant scientific literature and contribute to company knowledgebase

About You

- You have a B.A., B.Sc. or M.S. in chemistry or related field
- You have strong fundamental chemical knowledge
- You have practical experience with basic laboratory equipment, safe operating methods, and working in chemical laboratories
- You're a collaborator. Industrial science is about collaboration. You work with other team members to help specify new equipment and new experiments
- You're comfortable working independently and taking initiative but know when to seek assistance
- You keep good laboratory records and, ideally, know about electronic laboratory notebooks.
- You're tech-savvy. You're confident with using Microsoft Office 365 products and may have experience with specialized scientific software
- You understand, learn more about, and communicate chemical hazards to minimize risk and follow safety instructions when conducting experiments

What You'll Get

In addition to a competitive salary and a discretionary bonus, you'll get:

- 20 days (160 hours) of PTO per year plus all the observed public holidays for your working location plus a chance to rest and recuperate at the end of the year when we close our offices over the Christmas period
- Health Saving Plans and Financial Saving Plans (FSA) with a generous 401k contribution
- A great benefit supplements on a monthly basis and life cover.
- We are a social bunch! You'll be invited to an array of events throughout the year.

Contact

Please send your CV and any additional information to support your application to:

careers@velocys.com.

