



## BIOMASS PYROLYSIS ENGINEER

Calgary, AB

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### Why Ozonebio

OzoneBio is a Canadian biotech company producing the world's first emission-free adipic acid with the use of unique "zombie cells" fermentation technology. Adipic acid is one of the building blocks of nylon 6,6, a material that is used everywhere, from car parts to your favorite yoga pants, despite emissions of poisonous nitrous oxide and CO<sub>2</sub> into the atmosphere. OzoneBio is a diverse, women-led company that has successfully produced the world's first emission free adipic acid in record time. IndieBio, one of the most selective biotech accelerators based in San Francisco, told us we were the fastest startup to be accepted into the program. As a women-founded company, OzoneBio aims to lead the way towards a greener, better world by redefining what it really means to be "sustainable."

You'll join a diverse team of scientists and engineers all working together to produce emission-zero bio-polymers.

We're a fast-growing company with a high-throughput tech stack and the drive to be the best in the industry. This isn't just about having the best technology, it's also about having efficient and seamless operations based on teamwork and cutting-edge tools. We know we need a world-class team of visionaries and innovators across the entire organization. We look for people with drive and energy. People we love and people we trust. This may be unconventional, but it is the key to our success.

- We are looking for a person experienced in the thermochemical conversion of biomass via pyrolysis. Duties will include operating laboratory-scale reactor for thermochemical biomass of various origin conversion processing. The candidate will estimate impact of biomass feedstock and catalyst type on bio-oils and biochar production, design and install reactor components, operate reaction progress, and optimize the run based on engineering technical principles, theories, and concepts. The job requires a contribution to the development of new principles and concepts for process optimization. Duties include monitoring production run, analysis of gas-phase and, fractionation/condensation of products, troubleshooting operation issues.
- Experience in bio-oil analysis, gas fraction analysis, and data analysis skills are necessary. Knowledge of computational kinetic modeling to develop models of various reactor systems, techno-economic analysis, and life cycle analysis is appreciated.

- The candidate will work in a team environment; hence good communications and interpersonal skills are mandatory. Support day-to-day research operations including material tracking/ordering and organizing lab activity and workflow;

**Job Type:** Full-time, Contract

### To Apply

Ozonebio offers a competitive compensation, a dynamic work environment and a great team! Please visit our web site at [www.ozonebio.ca](http://www.ozonebio.ca) for more information about our company. To apply for this position, please send your resume and cover letter to [inquiry@ozonebiocorp.com](mailto:inquiry@ozonebiocorp.com)

Ozonebio is equal opportunity employer, committed to an inclusive, diverse and accessible workplace. We thank all applicants for their interest in Ozonebio; however, only candidates selected for interviews will be contacted.