

## Senior Research Associate – Fermentation

### Scope:

Iogen Corporation is looking for a scientifically strong, self-motivated, and enthusiastic Senior Research Associate to join our Research and Analysis Group. The group works to improve the cost efficiency of our ethanol production process, a key component of which is the fermentation of sugars derived from lignocellulosic sources into fuel ethanol.

The successful candidate will be required to plan experiments, analyze and interpret data, and effectively report the conclusions. Yeast fermentation work will be an initial focus but Iogen will cross-train the candidate in enzymatic hydrolyses of cellulose and lignocellulose chemistry. This is a permanent full-time laboratory-based position.

### Experience & Qualifications:

- M.Sc. in Biochemical Engineering, Biotechnology, Biochemistry, Microbiology, or a closely related field, and 2 – 5 years of relevant work experience
- Knowledge of the physiology and metabolism of fermentative organisms, particularly yeast
- Experience handling microorganisms (bacteria and yeast) and knowledge of general microbiological techniques are essential
- Experience with New Brunswick BioFlo systems, microscopy, and high performance liquid chromatography (HPLC) is highly desirable
- Strong mathematical and statistical skills, as well as advanced working knowledge of Excel

### Duties & Responsibilities:

- Independently plan, execute, and troubleshoot laboratory experiments
- Analyze data by applying statistical and modelling techniques
- Draft written reports and orally present results to colleagues and managers
- Perform fermentations in flasks and bioreactors for the development of industrial scale cellulosic ethanol production processes
- Develop new methods for characterizing fermentative organisms, enzyme performance, and lignocellulosic substrates
- Use a variety of instruments and assays to perform routine quantitative analyses on process samples collected in demonstration or commercial scale operations
- Operate and maintain laboratory equipment
- Work on weekends and outside regular business hours will sometimes be required

### About Iogen:

Iogen Corporation is a leading technology firm specializing in the development of technology for biofuels including cellulosic ethanol – a fully renewable transportation fuel made from agricultural residue that can be used in today's cars. The Company has been producing cellulosic ethanol at its Ottawa demonstration plant since 2004 and has recently enabled a major sugarcane ethanol producer in Brazil to produce cellulosic ethanol using Iogen technology.

Iogen provides challenging opportunities and competitive rewards.

### Contact Details:

Please apply to [careers@iogen.ca](mailto:careers@iogen.ca), and include the job title in the email subject line.

Deadline for applications is **March 3, 2017**. While we sincerely appreciate all applications, only those candidates selected for interview will be contacted.