

careers@aspectbiosystems.com  
Aspect Biosystems Ltd.  
#146 2259 Lower Mall  
Vancouver, BC  
V6T 1Z4  
www.aspectbiosystems.com



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## Career Opportunity

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**Position Title:** Microfluidics Engineer

**Location:** Vancouver, BC

**Status:** Full-time

**Start Date:** As soon as possible

## Company Description

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Aspect Biosystems is a Canadian startup developing state-of-the-art 3D bioprinting technology capable of creating living human tissue. Aspect aims to drive a fundamental shift in the pharmaceutical industry by enabling the development of physiologically relevant human tissue models for pre-clinical drug testing, moving away from the use of animals and de-risking customers' drug assets entering clinical trials. Aspect is a forward looking company, and envisions a future where our technology is used to create implantable tissue for regenerative medicine, and even functional organs.

We have an interdisciplinary and fast-paced team looking for qualified and enthusiastic individuals to help us grow into a flagship company! As an early employee there is significant opportunity for growth within the company.

## Roles and Responsibilities

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The ideal candidate will be expected to perform a variety of microfluidic engineering and product development tasks, including Solidworks design, microfluidic device design, prototyping and testing, contributing to microfluidic device productization, and writing technical documentation. The individual will work with the tissue applications team to enable the bioprinting of specific materials, and with the engineering team to ensure seamless component integration. Core tasks will include:

- Using Solidworks to design microfluidic devices and other mechanical components
- Designing, fabricating, and testing microfluidic devices
- Interacting with materials scientists and tissue engineers to design new microfluidic devices
- Research and develop new methods of microfluidic device manufacturing
- Keeping up to date on microfluidic device literature
- Writing technical product documentation, including spec sheets and manuals
- Contributing to publications and patents
- Performing other tasks as required

## Requirements

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- Masters degree or better in engineering/applied science or physics, and/or significant industry experience
- Experience developing, fabricating and testing microfluidic devices
- Experience taking technology from concept to product
- Excellent written communication



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- Proficient with SolidWorks
  - Experience assembling instrumentation
  - Experience designing and working with robotic instruments
  - Work with interdisciplinary groups in a fast-paced work environment
  - Exceptional interpersonal skills

## Assets

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- Knowledge of modern industrial design styles and methods
- Experience with photo-curable and/or rapidly cross-linkable polymers
- Experience designing 3D printing systems or robotic fluid handling systems
- Experience designing technology for biological assays or tissue engineering
- Experience with 3D printing, injection moulding, and machining

Please send resume and cover letter to: [careers@aspectbiosystems.com](mailto:careers@aspectbiosystems.com).

Only candidates selected for an interview will be contacted.