

## Job Description

**Job Title** Medical Innovation Fellow

**Reference** 11836

**Location** Western University (some time will be spent at the University of Minnesota)

**Faculty/Unit** VP Research - Research Western

**Department** WORLDiscoveries

**Employee Group** Non Union

**Appointment Type** Contract

**Appointment Status** Temporary Full-Time

### Classification & Regular Hours

We are seeking 1 Fellow for an appointment beginning in July 2018, and lasting approximately 10 months. Salary: \$37,379 for the contract term (\$3,599.92 monthly) - no benefits

### About [Western University](#)

With an international reputation for success, Western ranks as one of Canada's top research-intensive Universities. Our research excellence expands knowledge and drives discovery with real-world application. Western also provides an exceptional employment experience, offering competitive salaries, a wide range of employment opportunities and one of Canada's most beautiful campuses.

### About [Research Western](#)

Research Western, under the leadership of the Vice-President (Research & International Relations), is responsible for ensuring that Western has vibrant and growing interaction with various sources of research funding and that the faculties have increasing funding for their research programs. It is also responsible to ensure a healthy flow of technology resulting from Western research to the commercial world thereby creating jobs, increasing economic development and the general betterment of society.

### Responsibilities

The [Medical Innovation Fellowship program](#) brings together a cross-disciplinary team to collaborate in medical related innovation and development for approximately 10 months. The Fellows learn disciplined product development including FDA and Health Canada requirements, Insurance Reimbursement, Intellectual Property, Business Strategies, Creativity Techniques, and Prototyping at the University of Minnesota and at [WORLDiscoveries](#) at Western. The Fellows participate in clinical immersion to observe MDs, nurses, and associated technicians at work in the operating room. After collecting unmet needs, the Fellows define the problem from all angles, working with each other and Western organizations to innovate around these needs with multiple sets of prototyping cycles and bench top testing. The ultimate goal is for the Fellows to bring a new product into the realm of medical innovation.

#### 1. Medical Device Development (70%)

- Launching, leading and contributing to multiple medical development projects
- Ideating new concepts and solutions to unmet needs
- Developing prototypes (including design, fabrication, working with vendors, testing on the bench and preclinical testing)
- Authoring and presenting results (presentation/pitches/reports)
- Seeking, meeting with and maintaining relationships with project collaborators
- Preparing and filing intellectual property disclosures
- Working with attorneys to draft patents
- Developing business plans around medical opportunities and identifying funding sources (grants, licenses, investment)

#### 2. Bootcamp and Clinical Immersion (20%)

- Attending meetings and presentations of invited speakers
- Identifying and collecting unmet clinical needs
- Filtering and prioritizing needs

- Developing collaborative relationships with physicians, researchers and medical device professionals
- Attending networking and WORLDiscoveries outreach events

**3. Additional essential functions that account for less than 10% of time:**

- Promoting Western (giving tours, events, meeting with important individuals)
- Bi-weekly team meetings with Fellows, Directors, and Admin Staff
- Monthly team meetings with Mentors
- Administrative overhead to follow university procedures and reporting
- Ability to participate in MITACS STEP programs
- Mentor/Share their experience with various student bodies/classes on campus

Physical/Environmental Demands:

- Most of the workday is spent in an office environment, but part of the Fellowship is to participate in clinical immersion and observe surgeries and visit clinics. Prototyping for new medical devices can take place in various locations on campus, which hosts a variety of machines and tools.

**Qualifications**

Education:

- PhD in Engineering, Biosciences or Computer Science or related discipline, or MD Experience
- 1 year research training

Knowledge, Skills & Abilities:

- Self-driven, independent thinker who is highly motivated and possesses an intrinsic passion for quality and creativity
- Excellent verbal and written communication skills and confidence dealing with internal and external stakeholders
- A strong record of teamwork with the motivation and ability to work independently with little supervision
- Possesses a reputation for resourcefulness with a strong sense of accountability and initiative
- Results-oriented with an ability to handle many tasks while maintaining a high level of individual and team performance
- Ability to research and process information with high levels of accuracy

**To apply, please forward your CV and cover letter to [hbhl@mcgill.ca](mailto:hbhl@mcgill.ca) by June 15**