

Job Description

Posting Title: Medical Innovation Fellow (6-8 positions)

Reference:

Faculty/Unit: VP Research – Research Western

Department: WORLDiscoveries

Employee Group: Non-Union Contract

Appointment Type: Temporary

Appointment Status: Temporary Full-Time

Classification & Regular Hours

We are seeking 6-8 Fellows for an appointment beginning in July 2020, and lasting approximately 10 months.

Salary: \$3,918.12 per month – no benefits

About Western

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 Us

Research Western, under the leadership of the Vice-President (Research), 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. We are seeking 6-8 Fellows for an appointment beginning in July 2020, and lasting approximately 10 months.

1. Medical Device Development (70%)

Launching, leading and contributing to multiple medical development projects

Ideate 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%)

Attend meetings and presentations of invited speakers

Identifying and collecting unmet clinical needs

Filtering and prioritizing needs

Develop collaborative relationships with physicians, researchers and medical device professionals

Attend networking and WORLDdiscoveries 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, Neurosciences, 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

Western Values Diversity

The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Aboriginal persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression. Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews orhrhelp@uwo.ca or phone 519-661-2194.

Please Note:

Additional paperwork for clinical immersion and signing a confidentiality agreement may be required.

Submission Requirements:

Note: Do not discuss or disclose any confidential information related to intellectual property you have developed if it has not been properly protected.

Please include a cover letter and current CV as attachments; your CV should also contain the name and contact information for at least 3 references.

As part of your application submission, please attach your written essay saved as per the indicated format.

For further information and instruction on the application requirements, please refer to:

<http://medicalinnovation.ca/>

Please direct questions regarding this application process to info@medicalinnovation.ca

We thank all applicants for their interest, however, only those chosen for an interview will be acknowledged.

Deadline for applications is January 15, 2020

<https://recruit.uwo.ca>