

JOB TITLE

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Conduct insect, disease and weed management research trials in berries, field and greenhouse vegetables, turf grass and

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JOB TITLE

## Protein Technology Intern

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Reporting to the Biologics Protein Technology Scientist, the student assists with various protein chemistry aspects of developing therapeutic antibodies as well as new immuno-oncology therapies. The focus is on antigen and antibody expression, purification, and characterization, as well as critically data analysis.

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- Assist in protein and antibody expression and purification.
- Assist with tissue culture of cell lines utilizing sterile technique.
- Maintenance of columns and AKTA FPLC systems.
- Antibody characterization (i.e. ELISA and Western blot).
- Develop data tables and update databases as required.
- Document and implement standard laboratory methods and procedures.
- Execute on a personal research project and communicate the results.
- Other related duties as assigned.

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- Enrollment in an undergraduate/graduate program in biochemistry or immunology.
- Excellent organizational skills.
- Good written and verbal communication skills.
- Good computer skills.
- Completed at least one molecular biology laboratory course (preferred in protein purification).

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JOB TITLE

## Junior Laboratory Analyst

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As a Junior Laboratory Analyst the Co-op student will work independently and as part of a team to accomplish a variety of lab tasks, producing quality data in a timely manner.

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- Prepare required reagents, solutions, standards, reference materials, etc.
- Perform sample preparation and pre-treatment which could entail – filtration, titration, screening, extraction, digestion, fusion, dilution following specific methods and/or procedures
- Perform laboratory analyses following specific methods and/or procedures
- Daily basic instrument operation including calibration, maintenance, troubleshooting and repair as required
- Basic instrumentation may include DO meter, Spectrophotometer, Turbidity meter, TOC analyzer, Segmented Flow Analyzer, Infrared spectrophotometer
- Restock laboratory consumables/chemicals
- Carry out required record-keeping & documentation
- General laboratory clean-up and maintenance
- Clean and maintain glassware and lab ware
- Assist in sample flow and archiving as well as data archiving
- Monitor controlled equipment
- Perform all required quality control procedures
- Shift coverage may be required, depending on the position. Potential shifts are 6am-2pm weekdays, 1pm-9pm weekdays, Tuesday through Saturday 9am-5pm, Sunday though Thursday 9am-5pm. Must be willing to work overtime, weekends, and holidays depending on requirements of supervisor or manager.

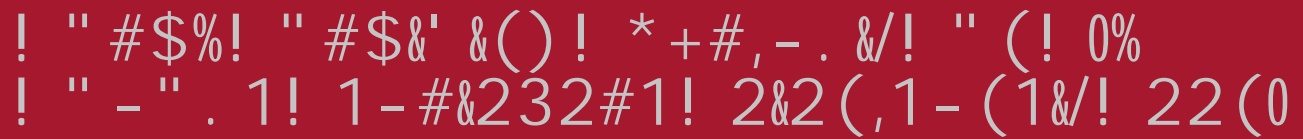
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- Second year chemistry student or higher
- Completion of analytical courses and previous co-op work experience an asset
- Organized and detail oriented
- Strong problem solving skills
- Highly motivated with a cheerful attitude and strong work ethic
- Excellent English communication skills (written and verbal)
- Excellent computer skills
- Demonstrated ability to work in a team
- Demonstrated ability to adhere to deadlines

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JOB TITLE

## Mathematician / Cryptanalyst and Data Scientist

**COMPANY NAME**

**CONTACT NAME**

**CONTACT INFO**

**COMPANY PROFILE**

Our mandate is to:

- Acquire and provide foreign signals intelligence;
- Provide advice, guidance and services to help ensure the protection of electronic information and information infrastructures; and
- Provide technical and operational assistance to federal law enforcement and security agencies.

**POSITION OVERVIEW**

As a cryptanalyst/data scientist/mathematician at our organization, you will be part of a team applying your analytical and problem solving skills to challenges in communication systems, information processing and security systems. You will help provide innovative tools, techniques and/or recommendations to a wide variety of clients both within the company and from other organizations.

**RESPONSIBILITIES**

- Analyse a dataset to determine its properties, model it and then devise a strategy to take advantage of its properties
- Design/program/test/optimize algorithms in a wide variety of domains such as statistics, cryptography, algebra and discrete mathematics
- Isolate the mathematical and/or cryptographic content of real world problems in communications systems, information processing or security systems
- Characterize encrypted communications, test their strength, and develop techniques to efficiently decrypt them.

**REQUIREMENTS AND QUALIFICATIONS**

- Computer programming ability and experience using a language such as C, C++, Java, Perl or Python;
- Familiarity with the UNIX/Linux environment;
- Excellent analytical and communications skills; and

You must have completed at least two (2) full years of undergraduate study in any of the following:

- Mathematics, Computer Science, Software Engineering, Computer Engineering or Electrical Engineering, with a strong math background
- A technical discipline (e.g. physics, logics, chemistry, etc) with a strong math background.

**DESIRABLE ASSETS**

- Areas of mathematics of interest: algebra, discrete math, number theory, probability and statistics
- Familiarity with a mathematics software package such as Mathematica, Matlab, Maple, Sage or R;
- Understanding of telecommunications concepts;
- A strong interest in the analysis of information systems.

**NUMBER OF POSITIONS** 1

**SALARY**

**DEADLINE**

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## Business Technology Analyst

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### CON AC INFO

### DESCRIPTION

We are currently looking for qualified students to join our Technology consulting group. You will join a team that prides itself by helping clients to not only solve complex business and technology problems but also to execute on the advice we provide. We work with a diverse group of clients around the world to help them to create competitive advantage, improve shareholder value and improve the performance of their businesses. As a Business Technology Analyst Co-op, you will be part of an entrepreneurial client engagement team with a specific set of responsibilities. Leveraging state-of-the-art technologies, you will work on a variety of projects such as large scale ERP application design and implementation, technology strategy and advisory, architecture design & development, technology assessments, enterprise software implementation and custom application / system design.

### QUALIFICATION AND EXPERIENCE

We are seeking candidates who have demonstrated exceptional performance in these and other majors:

- Computer Science, Engineering, Math / Math-Business, Commerce

To qualify for our Business Technology Analyst Co-op position, you should possess the following:

- Strong academic performance and extracurricular activities
- Demonstrated interest in technology and/or demonstrated interest in Management and Enterprise Applications consulting
- Sharp analytical mind
- Demonstrated leadership abilities
- Technical aptitude
- Excellent interpersonal and communication skills
- Superior work-term performance (where applicable)
- Solid understanding of Object Oriented Design and Technical Architecture
- Experienced with translating high-level design to detailed specifications
- Exposure to the full software development lifecycle
- Team-player, motivated, innovative, adaptable, action-oriented with strong leadership capabilities

### NUMBER OF POSITIONS

1

### DEADLINE

## JOB TITLE

Applications are invited for a highly motivated and compassionate university student, preferably with previous experience working in a laboratory setting, for the position of Student Clinical Trials Assistant at a cancer research centre. The successful candidate will join a team of clinical trials PK managers to collect blood and other bodily fluids samples from patients enrolled in clinical trials, ranging from Phase I-III. This position will be supporting the clinical trials arm of Experimental Therapeutics and the candidate will be working with strictly confidential patient information and adhering to strict protocols.

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## Plasma Physics Simulation Co-op

We are creating a world class facility to develop the technological and physics base to enable a breakeven Magnetized Target Fusion (MTF) demonstration at the end of four years' time. The new approach being pursued has the potential to yield the first economically viable fusion reactor, leading to commercialization and widespread use of fusion energy on a much more rapid timeline than any other route currently being considered.

- Co-op students working in the simulation team will gain experience with plasma physics, high-performance cluster computing, and plasma simulation codes.
- In this position you will write sophisticated analysis scripts under the guidance of computational plasma physicists to improve our suite of post-processing tools.
- The simulation team currently uses a combination of Matlab scripts and LLNL's Visit visualization suite to analyze computed results. Visit supports direct control through Python scripting.

- 3rd or 4th year Physics, Engineering Physics
- Experience with the Linux command line and Matlab
- Python or Perl scripting experience is desired
- Solid Electromagnetism fundamentals are expected, familiarity with Plasma Physics is a plus

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## Health & Group Benefits Co-op

### COMPANY NAME

### CONTACT NAME

### CONTACT INFO

### POSITION OVERVIEW

Health and Group Benefits Consultants provide advice on the strategy, design, financing, delivery, ongoing management and communication of health and group benefit programs.

You will have immediate exposure to real client assignments which will draw on your imagination and creativity as well as your ability to analyze data, draw conclusions and present results. These experiences will help build your technical knowledge and overall industry expertise while you benefit from one of the industry's most comprehensive actuarial training and development programs.

### RESPONSIBILITIES

- Build relationships internally and collaborate effectively on cross-functional teams
- Partner with consultants to provide actuarial support on client projects. Depending on your area of specialty this might include some of the following client projects:
  - Design, funding, pricing, implementation and management of a full array of health and group benefits or retirement programs
  - Competitive benchmarking analysis of benefit plan designs
  - Insurance pricing analyses to ensure that clients are competitive
  - Financial modeling
  - Actuarial and financial valuations in accordance with regulations
- Increase efficiency within client teams by identifying ways to improve processes
- Demonstrate natural ease and effectiveness when dealing with clients/colleagues at all levels
- Contribute to sales and marketing efforts by supplying information for proposals

### QUALIFICATIONS AND EXPERIENCE

- Bachelors degree program in actuarial science, mathematics, statistics, finance or any other major with significant quantitative course work, and a strong academic record
- Successful completion of 2 actuarial exams highly preferred
- A leader; proactively takes initiative
- A problem solver; able to identify and solve challenging problems
- Analytical; able to draw conclusions from data in a logical, systematic way
- Conceptual; ability to go beyond the details and see the big picture
- Results-driven; focused on achieving results that promote business success
- Communicator; displays strong oral, written and public speaking skills
- Committed to quality; continuously works to achieve the highest quality standards
- Team player; Ability to work independently as well as in a team
- Strong computer skills

### NUMBER OF POSITIONS 1

### SALARY

### DEADLINE



JOB TITLE

## **Data Management Co-op Student**

- Basic knowledge and skills of the use of a website.
- Knowledge of the principles and application of basic statistics in science.
- Some skill in statistical application in scientific research and in basic statistical analysis using SAS programming & Excel, is required.
- Proficiency in MS O