

# **Welcome (and Welcome Back) To Life Sciences and Biochemistry!**

**Michael Kawaja, PhD**

**Associate Dean Life Sciences and Biochemistry**

**Professor, Department of Biomedical and Molecular Sciences**

**Centre for Neuroscience Studies**

# My role as Associate Dean ...

- To assist LISC & BCHM students in all academic matters
- To provide LISC & BCHM students with adequate resources for education (i.e., TA's in labs)
- To support LISC & BCHM students with non-academic issues
- To ensure the academic standards in the curriculum
- To foster and promote the development of new educational initiatives in the LISC & BCHM curriculum
- To report to the Deans regarding LISC & BCHM matters



Queen's  
UNIVERSITY

**Where and  
when to find me:**



Life Sciences and Biochemistry Office  
8<sup>th</sup> Floor Botterell Hall / Room 813

Tuesdays 1-4 PM (or Thursdays 1-4 PM)

<http://healthsci.queensu.ca/liscbchm/>



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The Office of the Associate Dean, Life Sciences and Biochemistry, Queen's University

Queen's University

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# The Office of the Associate Dean

Life Sciences and Biochemistry



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## Life Sciences Program

The Life Sciences program at Queen's University is one of its largest Bachelor of Science degree plans on campus because of its high demand by students who wish to pursue careers in biomedical research and health care.

## Biochemistry Program

The Biochemistry program is a comprehensive program in the Bachelor of Science degree plan, which provides students with an in-depth training in modern experimental Biochemistry and prepares for entry into graduate programs, industry, and careers in the biomedical sciences.



Dr. Michael Kawaja

### Announcements

**Welcome Session and BBQ Night**

Published Wed Aug 28th 2013  
All Life Sciences and Biochemistry students: Dr. Michael Kawaja

Associate Dean, Life Sciences and Biochemistry would like to invite you to a Welcome Session and BBQ on Tuesday, September 17th. You must attend the Wel...

[View All Announcements →](#)

Around Our Site

Life Sciences  
Biochemistry

Contact Us  
About Us

Health and Disability Services  
Community Health and Epidemiology

# How to book an appointment?

Ms. Katherine Rudder:

613-533-6527 / [lifesci@queensu.ca](mailto:lifesci@queensu.ca)

Ms. Denise Cameron:

613-533-2900 / [biochem@queensu.ca](mailto:biochem@queensu.ca)

Ms. Erin Matthias

613-533-6527 / [lifesci@queensu.ca](mailto:lifesci@queensu.ca)

Dr. Kawaja:

613-533-6000 ext 77525 / [liscbchm@queensu.ca](mailto:liscbchm@queensu.ca)



## LIFE SCIENCES and BIOCHEMISTRY PROGRAMS



**Denise Cameron**

Phone: 613-533-2900

Fax: 613-533-6796

Email: [biochem@queensu.ca](mailto:biochem@queensu.ca)



**Katherine Rudder**

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Email: [lifesci@queensu.ca](mailto:lifesci@queensu.ca)



**Erin Matthias**

Email: [lifesci@queensu.ca](mailto:lifesci@queensu.ca)



## WEEKLY UPDATE

Office of the Associate Dean Life Sciences and Biochemistry

Botterell Hall, Room 813

[www.healthsci.queensu.ca/liscbchm](http://www.healthsci.queensu.ca/liscbchm)



September 15, 2015

### Classes have begun!!!

Dr. Kawaja will be available for students to drop in or book appointments. It is very helpful if we do know in advance that you will be coming in so we can have your file ready. Please contact Erin at either [lifesci@queensu.ca](mailto:lifesci@queensu.ca) or [bchm@queensu.ca](mailto:bchm@queensu.ca) and she will schedule you in. Keep in mind that both Denise and Katherine are available to assist you with your Plan, courses, etc. and sometimes this is your best starting point.

### Booking appointments/drop in on the following dates (subject to changes):

September 17:	1:00 – 3:00 pm	October 6:	1:00 – 5:00 pm
September 22:	2:30 – 5:00 pm	October 13:	1:00 – 5:00 pm
September 29:	2:30 – 5:00 pm	October 22:	1:00 – 5:00 pm
		October 27:	1:00 – 5:00 pm

### UPCOMING EVENTS

DATE	TIME	LOCATION	EVENT	STUDENT TARGET YEAR
Sept 16	5:30 pm	Botterell B139	Welcome to LISC and BCHM Information and BBQ (refer to email for details)	2 <sup>nd</sup> year
Sept 25	All Day	Botterell 813	<b>OFFICE WILL BE CLOSED FOR THE DAY.</b> We will be in Toronto at the Ontario Universities Fair.	All years
Oct 2	2:30 pm	TBA	Meeting with Dr. Kawaja (info to follow in an email)	All 499 Students

### Information to pass on from other areas around campus.

#### 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> Year Students:

Life Science Social Committee Applications are now available. The Life Science Social committee is seeking creative and outgoing volunteers to help plan and organize fun and exciting social events for students in Life Sciences. To obtain more information and get an application please email the Social Co-Chairs at [socialqlifesci@gmail.com](mailto:socialqlifesci@gmail.com).

It's that time of year again! **Student Academic Success Services: Learning Strategies & The Writing Centre** is once again promoting its free undergraduate workshops on academic skills such as time management, reading, writing, exam prep, and more.

CUCOH 2015 is now hiring student volunteers. This multidisciplinary healthcare conference will take place from November 13<sup>th</sup>-15<sup>th</sup> 2015 at Queen's University. We are looking for volunteers to help us make the conference a success. The volunteer application can be found on our website at [cucoh.com](http://cucoh.com) or on our facebook page. Submission deadline is Sunday, September 20<sup>th</sup> 2015 at 11:59pm. Please contact [logistics@cucoh.com](mailto:logistics@cucoh.com) with any questions or concerns.

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**From the Queen's home page ...**

## **Human Rights, Equity, Accessibility**

Our students, faculty, staff, and programs of learning and research benefit immeasurably when they reflect a range of experiences, identities and backgrounds.



# To paraphrase Wiki ....

An open door policy ... serves to foster an environment of collaboration, high performance, and mutual respect between ... faculty and students.

My “open door policy” is to encourage LISC & BCHM students to offer suggestions and ideas, provide or solicit feedback, seek professional counsel, or address concerns within the faculty and university. It is my hope that this policy will establish an environment of trust and mutual respect between me, your Associate Dean, and you, the LISC & BCHM students.

This allows also you to speak openly about issues (i.e., face-to-face), giving you the knowledge that your voice is heard and that issues will be addressed and resolved in an expeditious and equitable manner.



# On my office door ...

a clear notice to students,  
and to staff and faculty as well,  
that all individuals can feel  
confident that their differences  
(regardless of what they  
may be) will be respected!



**POSITIVE SPACE**

**Celebrating  
Sexual and Gender  
Diversity  
at Queen's**

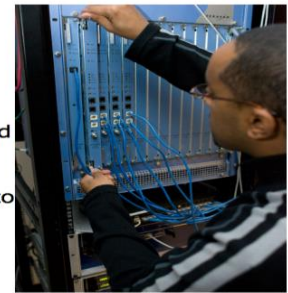


## Queen's Undergraduate Internship Program (QUIP)

The Queen's Undergraduate Internship Program (QUIP) provides students with a 12-16 month work experience. QUIP internships are paid, professionally supervised, career-related positions designed to offer second or third year students the opportunity to learn about current advances, practices and technologies in business and industry. The program is open to students in the Faculty of Engineering and Applied Science (domestic and international), Faculty of Arts and Science (domestic and international), School of Computing (domestic and international) and the School of Business (domestic only; not for credit). Due to the longer work term (compared to a 4-month co-op), employers are highly motivated to maximize their time and investment. This means that Internship students are offered the opportunity to manage more extensive and significant projects.

[Search QUIP job postings](#)

[Contact QUIP coordinator](#)



**Got Questions?** Come and see the QUIP Coordinator during QUIP Drop-in Advising Hour – no appointment necessary!

**QUIP Drop-in Advising:** Every Tuesday and Thursday from 11-12 in the [Career Advising and Resources Area](#) (Sept-April)

+ Eligibility

+ International Students

+ What's In It For You?

+ 2015-16 Information Sessions

+ Hiring Schedule

+ How to Register for QUIP

+ What Happens After Registering?

+ Finding an Internship

+ Credit for Your Work

## Information sessions:

Soon - meet 2nd year students about 3<sup>rd</sup> year

Soon - meet 3<sup>rd</sup> year students about 4<sup>th</sup> year

Soon - meet LISC 499 and BCHM 421/422 students

**AND**

07. November AM-PM

Career Conference

by LISC and BCHM Executive Councils

Late October

“Canadians studying medicine abroad”

Next March (2015) “Poster Day”

You are invited to attend the 3rd annual ....

### “Canadians Studying Medicine Abroad”

**Botterell Hall B139**

**Wednesday 29<sup>th</sup> of October 2014**

**6:30 – 7:30 PM**

**This is your chance to hear from Canadian docs  
who did their medical education in  
Australia, the Caribbean, or Ireland,  
and are now home practicing.  
Come with lots of questions!**

Host –

**Dr. Michael Kawaja**

Associate Dean Life Sciences and Biochemistry

Speakers –

**Dr. Janique Dyba**, PGY 1 Internal Medicine Queen's  
BPHE & BScH (Queen's), MBBS (University of Queensland, Australia)

**Dr. Jennifer Martins**, PGY 2 Psychiatry Queen's  
BScH & MSc (Western),  
MD (Medical University of the Americas, St. Kitts & Nevis)

**Dr. Asad Naqvi**, PGY 1 Diagnostic Radiology Queen's  
BScH (McMaster), MBBS (University of Limerick, Ireland)





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# One Size Does Not Fit All

Undergraduate Science Case Competition 2014



LOGIN | REGISTER



Canadian Undergraduate  
Conference on Healthcare

November 14-16, 2014  
Queen's University

HOME ABOUT CUCOH ▾ CUCOH 2014 ▾ SPEAKERS ▾ RESEARCH ▾ AMBASSADORS

FAQ SPONSORSHIP ▾

(13-15. Nov 2015)



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## Life Sciences Competition Toronto



## Convocation 2013







LLCU (LANGUAGES, LITERATURES AND CULTURES)

- ▶ People
- ▶ Courses
- ▶ Beyond the classroom
- Related links

### Languages, Literatures and Cultures (LLCU)

The Department began to offer LLCU courses after its amalgamation in 2011 as a result of changing needs of students across campus and to provide more flexibility when choosing electives. These courses highlight critical thinking and expression about cultural topics in transnational perspective and are often taught concurrently with a target language component. Since the beginning, the courses enjoy popularity and generate a lot of interest among Queen's students. Some courses are offered on a yearly basis and some change bi-annually

## LLCU 327: Sickness and Health: Cultural Representation in Medical Discourse



DEPARTMENT OF  
**Languages,  
Literatures and  
Cultures (LLCU)**

*By taking LLCU courses you will have an unique opportunity to explore many different cultures*



# Life Sciences

MAJOR MAP FOR UNDERGRADUATES →

## Get to know LIFE SCIENCES

The Life Sciences program at Queen's University is one of our largest Bachelor of Science degree plans on campus. It is in high demand by students who wish to pursue careers in biomedical research and health care focusing on human life. With courses ranging from the anatomy and physiology of the organs in our bodies to the bacteria and viruses that compromise organ functions to the cells that give rise to carcinomas to the drugs used to cure us of infection and disease. The faculty members are a unique composite of scientists and teachers who share a common goal: to mitigate the consequences of disease and trauma by training the next generation of health care scientists and professionals.

Maclean's Canadian Universities Guidebook cited Life Sciences at Queen's as a Standout Program, having strength in "the integration of basic health sciences with natural and physical science". Students are drawn to the strengths of the program, which include their ability to explore specific interests in Cancer Biology, Cardiorespiratory Sciences, Drug Development, or Neurosciences.



"One of the most popular programs at Queen's."

### Degree OPTIONS

Bachelor of Science (Honours)  
Major / Minor / Specialization in Life Sciences  
Bachelor of Science (General)  
Bachelor of Science (General) Online

### Queen's ADMISSIONS

Students apply to Queen's Science (QS) through the OUAC (Ontario University Application Centre) website. Secondary School prerequisites include 4U Advanced Functions, Calculus and Vectors, Physics and Chemistry or recognized equivalents.

### Course HIGHLIGHTS

After taking foundational courses in Biology and Chemistry, students participate in core courses that explore human anatomy/physiology, pharmacology, and microbiology. In the third and fourth years, students can choose from a wide variety of class and laboratory based courses that cover topics including biochemistry, pathology, and epidemiology. Research projects in fourth year can focus on a broad range of fields including cancer biology, cardiorespiratory sciences, drug discovery and human toxicology, and neurosciences, as well as public health sciences, reproductive biology, and gastrointestinal function



Acquire Skills. Gain Experience. Go Global.  
That is a degree from Queen's. [quartsci.com](http://quartsci.com)

# Biochemistry

MAJOR MAP FOR UNDERGRADUATES →

## Get to know BIOCHEMISTRY

Biochemistry in the 21st century will continue to uncover the biochemical basis for life. Emerging knowledge in biochemistry will help to unravel the molecular basis for diseases such as cancer and hypertension, and in turn lead to the development of new tools for disease detection and new therapies for treatments and cures.

The biochemist applies the basic principles of chemistry, mathematics, physics, and biology to the study of cellular processes; thus a good grounding in these subjects is an integral part of the program. Biochemistry at Queen's offers a wide scope of diverse topics ranging from molecular genetics and structural biology to the functional basis of enzymes, hormones, and vitamins. These biochemistry courses incorporate an understanding of specific organisms, as well as organ systems such as musculoskeletal and cardiovascular.

A cooperative program in Biochemistry is an option that provides paid work placements totalling 12 months in industry, business, research institutes or government labs providing contacts and experience in the work place. Participating in the Cooperative program requires up to an additional year of study. Biochemistry students in the Specialization plan will undertake 4th year research projects in topics as diverse as protein structure and enzyme function, along with supporting courses.

### Degree OPTIONS

Bachelor of Science (Honours)  
Major / Minor / Specialization in Biochemistry  
Bachelor of Science (General)



"A comprehensive program with a modern experimental approach to science."

### A Common START

Students in our Faculty are admitted into Arts, Science or Computing but the focus is on a common first year. Through self-exploration, and while you settle into university life, you have the opportunity to work with our advisors and faculty to discover your real interests and identify opportunities for success. Sometimes that discovery happens fairly quickly, and for other students it takes some work and time before the "ah-ha!" happens – either way your first year will be a great experience at Queen's.

### Course HIGHLIGHTS

The first two years of study in the Biochemistry program involve courses in general chemistry, organic chemistry, mathematics and biology, the latter giving also a first introduction to biochemical themes. The first full complement of courses in biochemistry are offered in the third year program, together with an extensive laboratory course. The fourth year is devoted almost entirely to biochemistry, covering some of the latest advances, and including a large proportion of advanced laboratory experience.

### Queen's ADMISSIONS

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Acquire Skills. Gain Experience. Go Global.  
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## Alumni Profile

"The Queen's University BScH in Biochemistry is the pinnacle of my academic career. From the program's rigorous focus on clinically and industrially-relevant biochemistry, to its structure that allowed the free pursuit of elective courses, the Biochemistry program gave me a degree that is both highly specialized and well-rounded. It paved the way for my acceptance to the Master of Biotechnology program at a top-tier school."

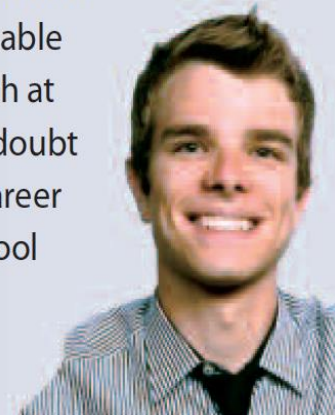
MATT WHITEHEAD, SCI '14



## Alumni Profile

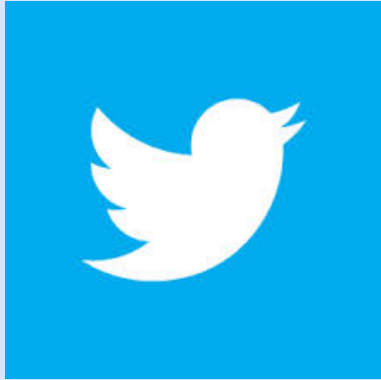
Life Sciences opens a lot of doors. In addition to the comprehensive curriculum and excellent research opportunities, my favourite thing about the program was getting to know my professors, TAs, and supervisors. Their expertise, support and advice were indispensable for my personal growth at Queen's and have no doubt helped advance my career as I enter Medical School this year.

NICHOLAS STONE, SCI '14





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**Michael D Kawaja**

@MDKawaja

Queen's University

## Academic accomplishments (LISC):

*Dean's Honours List (average >80%):*

2010-2011 – 359 LISC of 800 students in FAS (45%)

2009-2010 – 368 LISC of 732 students in FAS (50%)

*Dean's Honours List with Distinction (top 3%):*

2010-2011 – 27 LISC of 53 students in FAS (51%)

2009-2010 – 25 LISC of 55 students in FAS (49%)

## Academic accomplishments (BCHM):

*Dean's Honours List (average >80%):*

2010-2011 – 56 BCHM of 800 students in FAS (7%)

2009-2010 – 56 BCHM of 732 students in FAS (7.5%)

*Dean's Honours List with Distinction (top 3%):*

2010-2011 – 2 BCHM of 53 students in FAS (4%)

2009-2010 – 4 BCHM of 55 students in FAS (7%)