

# **Welcome**

## **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

# Where and when to find me:



Life Sciences and Biochemistry Office  
6<sup>th</sup> Floor Botterell Hall / Room 650

Tuesdays or Thursdays TBA –  
email Program office for dates/times

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

Queen's University  
Office of the Associate Dean  
Life Sciences & Biochemistry

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SEARCH AND SIGN IN

HOME ▾ LIFE SCIENCES (LISC) ▾ BIOCHEMISTRY (BCHM) ▾ DEADLINES DEPARTMENTS QUARMS

QUIP FAQ

## Life Sciences and Biochemistry

A place where exceptional students learn to analyze and think critically, communicate and debate, interpret and judge independently - skills that are sought after by employers in the biomedical research and health care industries.

LIFE SCIENCES

BIOCHEMISTRY

Questions? We Are Here To Help.

TALK TO ADVISORS

# How to book an appointment?

Honz Slipka:

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

Ms. Denise Cameron:

613-533-2900 / [biochem@queensu.ca](mailto:biochem@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 [social@lifesci@gmail.com](mailto:social@lifesci@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 13th-15th 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 20th 2015 at 11:59pm**. Please contact [logistics@cucoh.com](mailto:logistics@cucoh.com) with any questions or concerns.

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# 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





## Information sessions:

In the New Year

- meet 2nd year students about 3<sup>rd</sup> year
- meet 3<sup>rd</sup> year students about 4<sup>th</sup> year

Soon - meet LISC 499 and BCHM 421/422 students

AND

**Career Conference**

by LISC and BCHM Executive Councils

Late October

**“Canadians studying medicine abroad”**

Next March (2017)

**“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)



Queen's  
UNIVERSITY

# One Size Does Not Fit All

Undergraduate Science Case Competition 2014



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Canadian Undergraduate  
Conference on Healthcare

November 14-16, 2014  
Queen's University

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## Life Sciences Competition Toronto



## Convocation 2013





## Life Sciences

Queens UNIVERSITY FACULTY OF ARTS AND SCIENCE

### 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. The Life Sciences plan offers courses ranging from human anatomy and physiology to the bacteria and viruses that compromise organ function to the cells that give rise to carcinomas and to the drugs that are used to cure us from infection and disease.

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 sciences." Students are drawn to the strengths of the program, which include their ability to explore specific interests in Cancer Biology, Cardiorespiratory Sciences, Drug Development and Human Toxicology or Neurosciences.



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

#### Degree OPTIONS

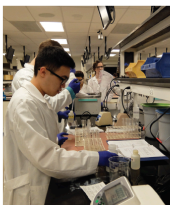
Bachelor of Science (Honours)  
Major / Minor / Specialization in Environmental Life Sciences / Life Sciences  
Bachelor of Science (General)  
Bachelor of Science (General) Online  
Internship option available

#### Queen's ADMISSION

Students apply to Queen's Science (QS) through the OUAC (Ontario Universities Application Centre) website ([ouac.on.ca](http://ouac.on.ca)). Secondary School prerequisites include English 4U, Advanced Functions 4U, Calculus and Vectors 4U, plus two of Biology 4U, Chemistry 4U or Physics 4U.

#### 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 chance to work with our advisors and faculty to uncover where your real interests and opportunities for success are. 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 at Queen's will be a great experience.



Acquire Skills. Gain Experience. Go Global.  
That is a degree from Queen's.

[quartsqi.com](http://quartsqi.com)

## Biochemistry

Queens UNIVERSITY FACULTY OF ARTS AND SCIENCE

### 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.

The 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 workplace. 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.



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

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#### 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.

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#### Degree OPTIONS

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

Acquire Skills. Gain Experience. Go Global.  
That is a degree from Queen's.

[quartsqi.com](http://quartsqi.com)



## 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."

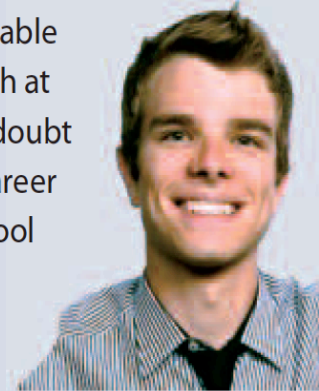
MATT WHITEHEAD, SCI '14



## 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



## Academic accomplishments (LISC):

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

2015 – 489 LISC of 1000 students in FAS (49%)

2016 – 560 LISC of 1000 students in FAS (56%)

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

2015 – 57 LISC students in FAS

2016 – 85 LISC students in FAS

## Academic accomplishments (BCHM):

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

2015 – 75 BCHM of 1000 students in FAS (7.5%)

2016 – 108 BCHM of 1000 students in FAS (11%)

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

2015 – 7 BCHM students in FAS

2016 – 6 BCHM students in FAS