



Loyola University Chicago

Chemistry & Biochemistry



PhD in Chemistry

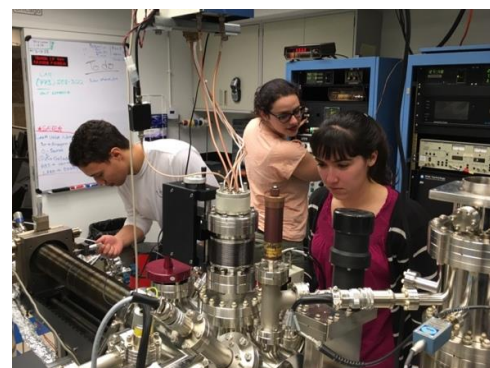
Since 1948, our PhD program offers students the opportunity to perform cutting-edge research in their chosen field of specialization. The department is comprised of 17 principal investigators in various sub-disciplines, including Analytical, Biological, Inorganic, Organic, and Physical Chemistry. Our state-of-the-art facilities, including 500 MHz NMR, SEM, UHV-STM, mass spectrometers, stopped-flow spectrophotometer, crystallization screening robot etc., allow students to excel in their research and publish in high-impact journals. Students present their findings at local and national scientific meetings and are recognized for their work. Our student-to-faculty ratio of 3:1 creates a stimulating environment for developing relationships essential for effective professional development.

MS in Chemistry

Students may choose from either a thesis-based or a course-based master's program. The *thesis-based* program requires at least five graduate courses and completion of a research thesis. A *course-based* program requires eight graduate courses for 24 credit-hours.

Overview

Our graduate courses are designed to provide a foundation in chemistry and biochemistry that enables in-depth research. A strength of the graduate program at Loyola is the close contact between students and faculty that results from small class sizes and a collegial department. Located in the great city of Chicago, our students become an integral part of the Chicago network of scientists that promotes and enriches their careers.



If you love science and people, contact us
LUC.edu/chemistry



Miguel Ballicora PhD
Leloir Institute (Argentina), 1993
Biochemistry



James Devery PhD
Lehigh University, 2013
Organic



Dan Killelea PhD
Tufts University, 2007
Physical and Surface



Daniel Becker PhD
Indiana University, 1986
Organic, Medicinal



Tatiana Esipova PhD
Moscow St. University, 2007
Organic



Wei-Tsung Lee PhD
University of Iowa, 2011
Inorganic



M. Paul Chiarelli PhD
University of Nebraska, 1988
Analytical



Alanah Fitch PhD
University of Illinois, 1981
Analytical



Dali Liu PhD
University of Oklahoma, 2001
Biochemistry



Hee Yeon Cho PhD
Boston College, 2013
Organic



Jan Florian PhD
Charles University, Prague,
Czech Republic, 1993
Computational



Graham Moran PhD
University of New England,
Australia, 1996
Biochemistry



Jacob Cizek PhD
Rice University, 2005
Materials Chemistry



Duarte Freitas PhD
UCLA, 1984
Bioinorganic



Ken Olsen PhD
Duke University, 1972
Biochemistry/Computational



Patrick Daubenmire PhD
Catholic University of America, 2004
Chemistry Ed. Research & Practice



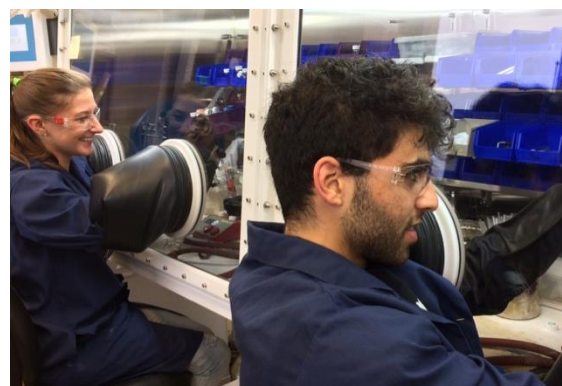
Daniel Graham PhD
Washington University,
St. Louis, 1981
Theoretical



Martina Schmeling PhD
University of Dortmund, 1997
Analytical/Environmental

Research Facilities

The department recently obtained a SEM (NSF MRI, 2017) and a 500 MHz NMR with CryoProbe™ (2017)



Application Requirements

- Completed online application
- Official transcripts
- Three letters of recommendation
- A statement of educational objectives
- *GRE scores encouraged*

International students are also required to have TOEFL or IELTS exam results as well as ECE evaluation of non-US transcripts.

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Contact Information

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