

Call for Applications
2024 Chemistry Graduate Student Awards
Department of Chemistry, University of California, Riverside

The Chemistry department seeks student applications for the following graduate student awards:

Amount	Award
1 quarter GSR	Advancing Faculty Diversity Graduate Fellowship
\$3,000	Thomas H. Morton Memorial Endowed Graduate Award
\$2,500*	Richard R. Schrock Graduate Award
\$1,500	Robert C. Haddon Memorial Endowed Graduate Award
\$1,500	Donald T. Sawyer Award in Analytical Chemistry
\$1,500	Excellence in Analytical Chemistry Research Award
\$1,500	Chemistry Alumni Award

* See call for additional details

Specific details describing the purpose, eligibility, and selection criteria for each award are provided on the following pages.

Application Deadline for All Awards: Friday, April 26, 2024.

All application materials, including letters of recommendation, should be received by this deadline.

Application Procedure: Students applying for one or more awards will submit a single application containing all materials as described below.

1) Prepare a single PDF file containing:

- a) **Curriculum Vitae** (max. 2 pages) listing publications, conference presentations, awards, etc.
- b) **Research statement** (max. 2 pages) describing your major research accomplishments. The statement should be written for a general audience of chemists who are not experts in your specific research area. Cited references do not count toward the page limit.
- c) **Award-specific statements** (maximum 1-page each), as appropriate:

- AFD Fellowship: A statement describing the candidate's commitment to diversity and future plans
- Morton Award: A statement describing how the applicant's research reflects the specific criteria described in the Morton award call.
- Haddon Award: A statement of financial need (optional).

See individual award descriptions for more details on the selection criteria for each award.

2) Complete the application form and upload your PDF materials here:

<https://forms.gle/1A685jaQLdqhdDgWA>

3) Arrange to have **one letter of recommendation** (typically from your PI) emailed directly to Professor Beran at gregory.beran@ucr.edu before the application deadline.

Awards will be announced before the end of Spring Quarter 2024.

2024 Advancing Faculty Diversity Graduate Award

Department of Chemistry, University of California, Riverside

Award Amount: 1 quarters of GSR support (fees + stipend) during academic year 2024-25.

Purpose: To recognize and support a PhD student who (1) is aiming for a career as a professor and (2) has a demonstrated commitment to advancing diversity in the academic setting.

Eligibility:

- 1) Must have already advanced to candidacy at the time of application.
- 2) Must be planning for a career in the professoriate.
- 3) Must have a record of excellence in research.
- 4) Must have a demonstrated commitment to diversity and plans for advancing diversity in the academic setting. For example, this commitment might focus on issues of inclusion, equity, and diversity or on supporting underrepresented communities at the university or K-12 levels.
- 5) Must be in good standing in the PhD program, with a cumulative GPA of at least 3.0 and be making appropriate progress to degree.

Additional Application Requirements: In addition to the CV and research statement, applicants should submit a statement describing their commitment to diversity (maximum 1-page).

Applications will be evaluated by the Chemistry Department Graduate Studies committee.

2024 Thomas H. Morton Memorial Endowed Graduate Award in Chemistry

Department of Chemistry, University of California, Riverside

Award Amount: \$3,000

Purpose: Tom Morton enthusiastically espoused the ideals of a global citizen and scientist, embracing foreign languages and cultures, expressing concern for the environment, and demonstrating a passion for collaborative scientific research that cut across disciplines. This award will recognize students who are engaged in active research of the highest academic standards and whose work reflects these ideals. Applications that bring chemistry together with other scientific fields, the arts, humanities, social sciences, or foreign languages are especially welcome. Preference will be given to applicants whose work actively collaborates with scholars of other points of view, cultures, ethnicities, nationalities, or field of study.



This fellowship honors the exuberantly inquisitive spirit of Tom Morton. Tom taught Organic Chemistry to UCR students for nearly forty years, but his interest in learning burst beyond the boundaries of any single discipline. He led energetic, productive forays into various fields of science, arts, humanities, social sciences, and foreign languages. Tom Morton's enthusiasm for learning and for deeply understanding our world overflowed into penetrating discussion and frequent collaboration with students and other scholars on his home campus and abroad.

Tom Morton knew from childhood that he wanted to be a chemist, and for this reason, he did not major in Chemistry in college. He majored in Classics and Fine Arts, with a special focus on the Archaeology and Art History of Ancient Greece. He sustained throughout his life an avid interest in medieval and contemporary music, anthropology, Morris dancing, European history, Hollywood movies of the Golden Age and French movies of the 1930s. In the hard sciences, Tom was fascinated by neuroscience, biology, and physics. Forward thinking about the environment, Tom developed a "Zero-Effluent" laboratory manual in the early 1970s when up-cycling and reduction of waste were practically unknown concepts. He took a Computer Programming class in 1963, when the field was brand new.

In addition to his fascination with and devotion to science, Tom Morton firmly believed in the study of foreign languages, sometimes requiring his own graduate students to take French before they collaborated with a laboratory in France. He himself studied Latin, ancient Greek, French, and German. He was known for spontaneous and joyful toasts in Latin or Greek. Late in his career, Tom found a tutor to teach him the Thai alphabet.

Tom toiled long and hard as a researcher. His family remembers him doing experiments that required him to run to the laboratory, adjust his apparatus, return home to sleep a bit, and then run back to the

laboratory again, for days on end. Other times when he stayed late at the laboratory, it was not for research, but teaching. He was well-known for his late-night review sessions and his wish to assist others as they learned. Tom especially encouraged his students to join him in carrying out research in laboratories in France and Holland. In this way, he enabled generations of young researchers to try something new.

Tom was fascinated by the universe and by the human presence in it. He was enthusiastic about “pushing back the frontiers of science”. This award, we hope, can encourage new students to delve into the kind of questions that made Tom Morton laugh with excitement and work with fervor.

Selection Criteria and Eligibility Requirements: Eligible students must be enrolled in the Chemistry graduate program and engaged in active research. They should demonstrate evidence of academic achievement and seriousness of purpose. They should reflect Tom’s ideals of collaboration across divisions, open-mindedness, discovery, etc. In addition, preference (but not absolute requirements) will be given to students whose work:

- transcends boundaries between specific fields of science and/or the humanities, including foreign languages
- would actively collaborate with other scholars of different cultures and nationalities
- would be enriched by travel to a foreign country
- would aid environmental remediation efforts

Additional Application Requirements: In addition to the basic application form (CV, research statement), applicants should submit a statement (maximum 1-page) describing how they reflect the special selection criteria of collaboration, interdisciplinary research, etc as described above.

2024 Richard R. Schrock Graduate Award

Department of Chemistry, University of California, Riverside



Award Amount: \$2,500

In addition to the award, the recipient will have the opportunity to invite a CHEM 250 faculty speaker of his/her choosing in close collaboration with the faculty during the 2024-25 academic year.

Purpose: To reward outstanding Ph.D. graduate students in Chemistry, with a preference given to students studying synthetic Inorganic Chemistry.

This award was generously endowed by Richard and Nancy Schrock as a testament to the value they place on graduate education as well as intellectual and scientific achievement. Among his many scientific accomplishments, Richard Schrock is perhaps best known for his discovery of alpha hydrogen abstraction reactions in high oxidation state metal alkyl complexes, which are key to olefin metathesis reactions. After a successful career at DuPont and MIT, Schrock returned to UC Riverside, his undergraduate alma mater, as a faculty member in 2018. He has received numerous prestigious awards throughout his career, including the ACS Awards in Organometallic Chemistry and Inorganic Chemistry, the ACS Cope Scholar Award, the Cotton Award in Synthetic Inorganic Chemistry, and the 2005 Nobel Prize in Chemistry.

Selection Criteria and Eligibility Requirements:

- Outstanding intellectual and scientific achievements in the field of inorganic or closely-related fields of chemistry.
- Must be making acceptable progress toward a degree in Chemistry. Acceptable progress for a Ph.D. student means student must be advanced to candidacy within 12 quarters after entry and must complete the degree by the normative time to degree for the particular program plus one year.
- High academic performance with a G.P.A. of at least 3.0.

2024 Robert C. Haddon Memorial Endowed Graduate Award

Department of Chemistry, University of California, Riverside



Award Amount: \$1,500

Purpose: The Robert C. Haddon Memorial Endowed Graduate Award was established by the Haddon family in memory of Professor Haddon to encourage excellence in research. It will be awarded to a graduate student in the Chemistry department who has demonstrated talent in research, especially in the areas of materials chemistry, electronic materials, organic conductors, nanotechnology, and engineering.

Selection Criteria and Eligibility Requirements: Eligible students must be enrolled in the Chemistry graduate program, have demonstrated talent in research, and must be making acceptable progress within normative time toward a degree. All eligible students will be considered, but students who have demonstrated one or more of the following criteria are especially encouraged to apply:

- Outstanding achievements in research and a capacity to contribute to the advancement of knowledge in chemistry, materials science, engineering, or physics by pursuing original and creative work.
- Research in the areas of materials chemistry, electronic materials, organic conductors, nanotechnology, and engineering.
- Dedication to the student's own career.
- Limited access to other funding resources. Financial need will be a consideration among equally meritorious candidates.

Additional Application Requirements: In addition to the basic application form (CV, research statement), applicants may submit a statement of financial need (maximum 1-page).

2024 Donald T. Sawyer Award in Analytical Chemistry

Department of Chemistry, University of California, Riverside



Award Amount: \$1,500

Purpose: The Sawyer Award recognizes an Analytical Chemistry graduate student of exceptional creativity, talent and potential. It honors Professor Donald T. Sawyer, a well-known analytical chemist and long-time UCR faculty member.

Selection Criteria and Eligibility Requirements: Eligible students will be in the 3rd or 4th year of PhD study and have advanced to candidacy. Students must be nominated by their dissertation advisor, and a faculty member may nominate only one student per academic year. The student's 2-page research statement should describe the research accomplished and planned for the future, as well as explaining the significance of this research to the field of analytical chemistry.

The award recipient will be selected based on the student's research accomplishments, creativity and future potential as an analytical chemist.

2024 Excellence in Analytical Chemistry Research Award

Department of Chemistry, University of California, Riverside

Award Amount: \$1,500

Purpose: To recognize outstanding graduate student researchers in analytical chemistry.

Selection Criteria and Eligibility Requirements: Eligible students will be in the 3rd or 4th year of PhD study and have advanced to candidacy. Students must be nominated by their dissertation advisor, and a faculty member may nominate only one student per academic year. The student's 2-page research statement should describe the research accomplished and planned for the future, as well as explaining the significance of this research to the field of analytical chemistry.

The award recipient will be selected based on the student's research accomplishments, creativity and future potential as an analytical chemist.

2024 Chemistry Alumni Award

Department of Chemistry, University of California, Riverside

Award Amount: \$1,500

Purpose: To recognize outstanding graduate students in Chemistry.

Selection Criteria and Eligibility Requirements: Eligible students must be enrolled in the Chemistry graduate program, have demonstrated talent in research, and must have advanced to candidacy and be making acceptable progress within normative time toward a degree. Recipients will be chosen from among eligible applicants based on research excellence, including research creativity, publication record, and other related aspects of professional development.

Additional Application Requirements: None.