



The Boston University Center for Discovery Chemistry.

Something special is going on in Metcalf Science Center. The Department of Chemistry in the College of Arts & Sciences has recently launched an ambitious plan to create an undergraduate organic chemistry curriculum for the 21st century. At the core of this effort is a new laboratory that will provide the setting for a research-based approach to teaching and learning. The lab is designed to allow integration of the organic chemistry faculty's research into a discovery-driven curriculum. This new curriculum fosters independent investigation, chemical intuition, and the ability to use integrated modern laboratory systems.

Boston University invites you to be a part of this exciting project.



A commitment to excellence in the classroom and beyond.

We believe discovery-driven approaches to research and inquiry allow educators to reach large numbers of students and offer an entry into further research experiences.

In short, we believe the future of chemistry is taking place here. And that the students we teach today will become the leading scientists and physicians of tomorrow.



BOSTON
UNIVERSITY



Boston University College of Arts & Sciences
Department of Chemistry

New ways of teaching chemistry require a new lab to teach them in.

Boston University Center for Discovery Chemistry

Join us in building the finest state-of-the-art lab in Boston.

Boston University has a bold vision for a new organic chemistry laboratory where discovery chemistry techniques will be used. The long-established techniques for analysis of ready-made data bear little resemblance to the scientific inquiry that is currently taking place in laboratories throughout the country.

With over 120 future physicians and many more future scientists enrolled in organic chemistry, it is imperative that the curriculum takes an integrated approach that combines scholarly understanding of fundamental concepts with pragmatic research laboratory techniques. It will prepare students for careers in the biomedical and chemical synthesis fields. Classroom activities will engage students in the creative work of formulating new questions, designing new experiments, collecting new data, and generating new hypotheses—all in a physical space that encourages team learning and is outfitted with advanced instrumentation and the latest workplace safety equipment.

The need is urgent. The time is now.

Enrollment in organic chemistry at BU has increased by 35 percent in the last seven years—making improved labs and a stronger curriculum more important than ever. The new organic chemistry labs will hold 50 percent more students than the present labs and will be furnished with HVAC equipment that meets the highest health and safety standards.

President Robert A. Brown and Dean of Arts & Sciences Virginia Sapiro are committed to this ambitious project and are allocating University funds to cover 50 percent of the project's \$7 million total cost. So in a very real sense, this is a fundraising project.

With your support, we look forward to completing the new chemistry labs in time for the 2011 fall semester and to strengthening BU's reputation as one of the premier chemistry programs in the country.

Students will be able to carry out a wide variety of experiments under properly ventilated hoods.

"This new lab will present students with discovery-based experiences that will be immediately transferable to an industry or an academic research environment."
— Professor John Straub, Chair, Department of Chemistry



"Dean Sapiro, her colleagues, and the faculty of the Department of Chemistry have developed a bold plan for an entirely new organic chemistry lab. We are fully committed to seeing that plan become a reality—and thereby benefiting many generations of future students. Please join us in a truly worthy cause!"

— Dr. Robert A. Brown, President, Boston University

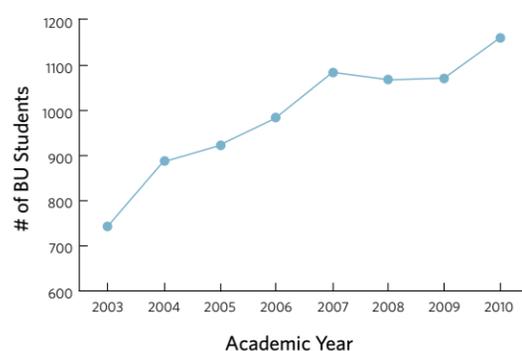


The Boston University Center for Discovery Chemistry

You're building more than a lab. You're building the most innovative organic chemistry curriculum in Boston.

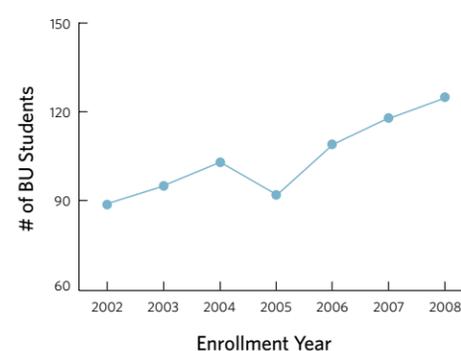
Gifts of all sizes are needed to complete this project successfully. Your gift of any amount is welcome. The named gift opportunities include:
Center for Discovery Chemistry: \$2,000,000;
Three Laboratories: \$1,000,000; Prep Room: \$750,000; NMR Instrumentation Room: \$500,000; Instrumentation Room: \$500,000; Small Conference Room: \$250,000.

BU Enrollment in Organic Chemistry Courses



Enrollment in organic chemistry at BU has seen remarkable growth. The vast majority of that growth comes from students who self-identify as pre-med/pre-health students.

BU Undergraduates Admitted to Medical School



Our acceptance rate to medical schools for students with a 3.40 or higher GPA was 14.5 percentage points above the figure for the national applicant pool.

"This lab will remove the constraints on curriculum innovation and will support a wide spectrum of chemistry in a safe environment."

— Virginia Sapiro, Dean, College of Arts & Sciences

A centralized instrumentation facility will provide a much higher level of training by increasing student access to sophisticated equipment.