

**The Twenty-First Annual
Robert M. & Martha W. Ross
Dartmouth Chemistry Lecture Series 2025-2026**



Catherine L. Drennan
John and Dorothy Wilson Professor of Biochemistry
Massachusetts Institute of Technology

“Exploring the Molecular World”

Wednesday, September 17, 2025
4:00 P.M.

104 Wilder Hall, College Street, Hanover, NH
Refreshments at 3:30 P.M. in the Burke Laboratory Marx Lounge

**“Revealing the secrets of metalloenzymes one
snapshot at a time”**

Thursday, September 18, 2025
10:30 A.M.

006 Steel Hall, College Street, Hanover, NH
Refreshments at 10:00 A.M. in the Burke Laboratory Marx Lounge

Cathy L. Drennan is the John and Dorothy Wilson Professor of Biochemistry at the Massachusetts Institute of Technology, and a Professor and Investigator with the Howard Hughes Medical Institute. She received an AB in chemistry from Vassar College, and after teaching high school science and drama for three years, she returned to graduate school. Drennan received a PhD in biological chemistry from the University of Michigan, working in the laboratory of the late Professor Martha L. Ludwig. She was also a postdoctoral fellow with Professor Douglas C. Rees at the California Institute of Technology. In 1999, Drennan joined the faculty at the Massachusetts Institute of Technology, where she has risen through the ranks to full professor in the Departments of Chemistry and Biology. She is a member of the American Academy of Arts and Sciences and the National Academy of Sciences. Her research interests lie at the interface of chemistry and biology, combining X-ray crystallography with cryo-electron microscopy and other biophysical methods in order to “visualize” molecular processes by obtaining snapshots of metalloproteins in action.