

## Edward Eisenstein

**Fellow, Institute for Bioscience and Biotechnology Research, University System of Maryland**

**Associate Professor, Fischell Department of Bioengineering, University of Maryland**

### Webpage

### Statement of Interest

I joined ASBMB as a graduate student because my teachers emphasized that belonging to this scientific society would provide a strong community to sustain me throughout my career. They were right. As a member, I have had the privilege of serving in committees and leadership roles, am currently on Council, and proud to be recently named an ASBMB Fellow. My ASBMB mentors made a difference by encouraging me to pursue scientific knowledge, from the mechanisms of allosteric enzymes to regulatory networks in poplar trees, and inspired me to innovate as a teacher, advisor and administrator.

I took an active role in our collaboration on the current ASBMB strategic plan, and I am motivated to work with members from all levels, disciplines and career paths to achieve our goals. I will lead and support our outstanding scientists, dedicated educators and talented professional staff for ASBMB to grow and move forward together, as an effective, efficient and sustainable organization.

The scientific community is currently facing unprecedented challenges. Because the world relies on ASBMB for evidence-based solutions to grand challenges in the life sciences, not only will I continue to help coordinate with broad coalitions to amplify our advocacy messages, but I will work with members and staff to creatively educate and engage with public stakeholders so that everyone understands the indisputable value of research, training, and the integrity of scientists. My experience can help ASBMB lead these critical collective efforts, now more than ever, for the future growth and prosperity of science.

### Education and Training

- B.S., Biology and Chemistry, Saint Joseph's College, Philadelphia, 1979
- Ph.D., Biochemistry, Georgetown University (Advisor: Preston Hensley)
- Postdoctoral training, Molecular Biology, University of California, Berkeley (Sponsor: H.K. Schachman)

### Awards and Honors

- National Research Service Award for Postdoctoral Study, 1985-1988
- Student Competition Advisor of the Year Award, A. James Clark School of Engineering, University of Maryland, 2015
- Teaching recognition and awards at the University of Maryland
  - Faculty Fellow, Integrated Life Sciences, Honors College, University of Maryland, 2016-2022 (lead integration of courses in engineering and life science)

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## ASBMB 2025 Election: President Candidate

- Faculty Fellow, University Honors, University of Maryland, 2022-2024 (develop and lead general education courses that emphasize the importance of biotechnology in lives of students)
- Mission Award, University Honors, University of Maryland, 2024 (Honors College highest recognition for service and impact)
- Fellow, American Society for Biochemistry and Molecular Biology (ASBMB), 2025

## Relevant Experience

### University Research, Education and Administration

- Chair, Gordon Research Conference on Reversible Associations in Structural and Molecular Biology, 2004
- Director, Center for Advanced Research in Biotechnology (CARB), University of Maryland Biotechnology Institute, 2000-2008 (Expanded faculty, programs and buildings to increase expenditures enabling new training programs)
- Acting President, University of Maryland Biotechnology Institute, 2009-2010 (Led mission in research, education and economic development, and also the disaggregation of UMBI in order to empower new multi-institutional research centers in Maryland)
- Co-Chair, Biodesign Workshop, DOE, 2011
- Founding Co-Advisor, UMaryland iGEM, 2014-present
- Chair, Plant Science Symposium, American Society of Plant Biology, 2018
- Co-Chair, iGEM Engineering Committee, 2018-2023
- Associate Director, Agricultural Biotechnology Center, University of Maryland (Lead interdisciplinary efforts at the interface of plant science and biotechnology)

### ASBMB

- Editorial Board, Journal of Biological Chemistry, 1996-2008
- Member, ASBMB Public Outreach Committee, 2012-2018
- Member, ASBMB Membership Committee, 2018-2019
- Chair, ASBMB Membership Committee, 2019-2024
- Member, ASBMB Council, 2024-present

### STEM Outreach and Education

- Founding Director and Board President, Rockville Science Center, 2008-2010 (Established a regional science center in Rockville, MD)
- Chair, Board of Directors, Learning Undeclared, 2023-present (Educational nonprofit that brings experiential learning to K-12 students in all communities to inspire interest in STEM careers and build a diverse and inclusive workforce)