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Biographical Sketch: Professor Jonathan Ellman



Jonathan Ellman earned his B.S. degree from MIT in 1984 and his Ph.D. degree at Harvard University in 1989 working under the direction of Professor David Evans. He carried out postdoctoral research with Professor Peter Schultz at the University of California at Berkeley. In 1992 he was appointed to the faculty at the University of California at Berkeley where he is currently Professor of Chemistry. He also holds a joint appointment in the Department of Cellular and Molecular Pharmacology at the University of California at San Francisco.

Professor Ellman's research emphasizes the development of practical and general synthetic methods and their application to the synthesis of pharmaceuticals and bioactive natural products. Two areas of current focus are asymmetric amine synthesis and C-H bond functionalization. His laboratory is also actively engaged in the development of chemical tools to study enzymes. This effort has most recently centered on the application of a new substrate-based fragment identification and optimization approach, which he is currently applying to the development of pharmacologically active small molecule inhibitors of proteases and phosphatases for the treatment of neglected diseases.

Professor Ellman is a fellow of the American Association for the Advancement of Science (2006) and has received a number of awards, including the Tetrahedron Young Investigator Award for Bioorganic and Medicinal Chemistry (2006), the Society of Biomolecular Screening Achievement Award (2003), the Scheele Award selected by the Swedish Academy of Pharmaceutical Sciences (2003), an American Chemical Society Cope Scholar Award (2000), and a UC Berkeley Department of Chemistry Teaching Award (1998). He has consulted and served on the scientific advisory boards of multiple biotechnology and pharmaceutical companies and is currently on the editorial advisory boards of a number of journals, including the Board of Editors of *Organic Syntheses*, and the advisory boards for *Chemistry & Biology*, *Journal of Combinatorial Chemistry*, and *Organic & Biomolecular Chemistry*.