

Biography



Professor Michael H. Gelb

Professor Michael H. Gelb is the Harry and Catherine Jayne Board Endowed Professor of Chemistry and Biochemistry at the University of Washington in Seattle. Gelb received his B.S. degree from the University of California, Davis and his Ph.D. with Stephen G. Sligar at Yale University on aspects of the catalytic mechanism of cytochrome P450. Granted an American Cancer Society postdoctoral fellowship, he then investigated mechanism-based inactivators of serine proteases and developed fluorinated ketones as tight-binding inhibitors of several classes of proteases, working with Robert H. Abeles at Brandeis University. His current research interests include: 1) Studying the function and regulation of a group of enzymes called phospholipase A2 that are involved in lipid mediator biosynthesis related to inflammation; 2) Anti-malaria and anti-trypanosome drug discovery; 3) New technology for the newborn screening of enzyme deficiency diseases including lysosomal storage diseases. He is author of >350 scientific papers and several patents. Among his awards are the P. B. Hopkins Faculty Award, the Medicines for Malaria Venture Project of the Year Award, The ICI Chemicals Excellence in Chemistry Award, The Pfizer Award from the Amer. Chem. Soc., and the Alfred P Sloan Fellowship Award. He was recently elected as a Fellow to the American Association for the Advancement of Science.