

The Bio-toolkit suite of bioinformatic tools

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The Bio-toolkit.com website contains several tools for scientists interested in studying the roles of proteins in biomedical research. The open-source software available at this site include: Minimotif Miner, for discovering novel short contiguous motifs in proteins and those mutated in disease, VENN, a program that plots sequence conservation onto the surface of proteins to determine specificity determinants in gene families, HIVToolbox, a sequence/structure/function interface for HIV proteins, SciReader, a biomedical reading environment that enhances scientific and medical for students and patients, and HIVAtlas for tracking the global spread of resistance to HIV drugs.

Biography

Martin R. Schiller received a B.A. from Hofstra University in 1985 and a Ph.D. in Biochemistry from Utah State University After postdoctoral fellowships at the University of Maryland College Park and the Uniformed Services University of the Health Sciences, he was a fellow and eventually appointed to the faculty at The Johns Hopkins University School of Medicine. He has served on the faculty at the University of Connecticut Health Center and now at the University of Nevada Las Vegas, where he continue work on several bioinformatics projects. Dr. Schiller's research has resulted in 50 publications, 13 research grants, and a number of awards.