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BIOGRAPHY

Richard H. Lathrop, Ph.D., is a Professor in the School of Information and Computer Science at the University of California, Irvine. He received an undergraduate degree in mathematics from Reed College, a Ph.D. in Artificial Intelligence from MIT, and also holds graduate degrees in computer science and in electrical engineering from MIT.

His research interests involve applying intelligent systems and advanced computation to problems in molecular biology, especially protein structure prediction, protein-DNA interactions and genetic regulation, rational drug design and discovery, bio-nanotechnology, DNA self-assembly, disease-related mutation sequence spaces, and other molecular structure/function relationships.

He co-founded Arris Pharmaceutical Corp. and Coda Genomics, Inc., and served on the Scientific Advisory Boards of CombiChem, Inc., and GeneFormatics, Inc. His research has appeared on the covers of *Communications of the ACM*, *Journal of Molecular Biology*, and *AI Magazine*. He is on the Editorial Boards of *IEEE Intelligent Systems* and the *Journal of Molecular and Cellular Proteomics*. He is a founding officer of the International Society of Computational Biology. He is a co-inventor of two US patents, "Machine Learning Approach to Modeling Biological Activity for Molecular Design and to Modeling Other Characteristics" and "Method for Producing a Synthetic Gene or Other DNA Sequence". He received a Best Paper Award from the ACM/IEEE Design Automation Conference, an Innovative Application Award from the AAAI/IAAI Conference, and a Best Paper Award from the Genome Informatics Conference.