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1971–1975	B.S., Indiana University, Bloomington, IN
1975–1979	Ph.D.,Yale University Department of Molecular Biophysics and Biochemistry, New Haven, CT
1979–1980	Postdoctoral Fellow, Swiss Institute for Experimental Cancer Research, Department of Biology, Lausanne, Switzerland
1981–1984	Postdoctoral Fellow, Stanford University, Department of Biochemistry Stanford, CA
1984–1988	Assistant Professor, Department of Biology, Massachusetts Institute of Technology, Cambridge, MA
1984–1991	Associate Member, Whitehead Institute for Biomedical Research, Cambridge, MA
1988–1993	Associate Professor
1991–present	Member
1994–present	Professor

Honors

1977–1979	National Institutes of Health Public Service Award (Predoctoral)
1979–1980	Swiss National Science Foundation Postdoctoral Fellow
1981–1983	National Institutes of Health Public Service Award
1983–1989	IMMLEP Steering Committee (Program for Immunology of Leprosy), Tropical Disease Research WHO/World Bank/UNDP
1987–1992	Burroughs Wellcome Scholar Award
1987–1990	Chairman, Molecular Biology Subcommittee, Tropical Disease Research, WHO/World Bank/UNDP
1987–1996	National Institutes of Health Merit Award Chairman, FASEB Summer Research Conference "Molecular Biology and Infectious Disease"
1988–1993	AIDS and Related Research Study Section, National Institutes of Health, Bethesda, MD
1988–1997	Director, National Cooperative Vaccine Development Group for AIDS (NIH)
1993–1998	Editorial Board, Molecular and Cellular Biology Chiron Corporation Biotechnology Research Award, American Society for Microbiology
1994	Fellow, American Academy of Microbiology
1995	Charter Fellow, Molecular Medicine Society
1995	External Review Committee, Bermuda Biological Station for Research
1996–1997	Chair, Graduate Program, Biology Department, M.I.T.
1999	NIAID Blue Ribbon Panel on Microbial Genome Sequencing
1999	NIAID Strategic Plan Task Force

Dissecting transcriptional circuitry and mechanisms in yeast

Genome-wide expression analysis is being used to obtain clues to the roles played by transcriptional regulators, components of the transcription initiation apparatus, histones and chromatin-modifying enzymes in gene regulation. Previous genetic and biochemical studies identified much of the transcriptional machinery of eukaryotic cells and provided mechanistic insights into the functions of various components at specific promoters. However, knowledge of the contributions of regulators and the transcriptional machinery to the complete transcriptional circuitry is lacking. Our data describes how expression of the genome depends on over 50 components critical to transcriptional regulation in yeast cells. This information provides a foundation for understanding the molecular mechanisms involved in genome-wide expression, and new insights into transcriptional regulation will be described.