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Education:

- 1997-present University of Pennsylvania School of Medicine, Philadelphia PA
Postdoctoral Fellow, Department of Biochemistry and Biophysics
Research Adviser: Professor Mitchell Lewis, D. Phil.
- 1991-1996 University of California at Los Angeles, Los Angeles CA
Ph.D. in Chemistry, 1996
Dept. of Chemistry and Biochemistry
Dissertation Advisor: Professor David Eisenberg, D.Phil.
Dissertation Title: "Structural Studies of the Action of Diphtheria Toxin"
- 1987-1991 Bucknell University, Lewisburg PA
B.S. Chemistry, 1991

Academic Awards and Honors:

- 1998-2000 NIH Post-Doctoral Fellowship (3-year Individual NRSA), University of Pennsylvania. Title: "Structural Studies of the *E. coli* Lactose Repressor"
- 1995-1996 Dissertation Year Fellowship, UCLA
- 1994 Bauer prize for Excellence in Research, Department of Chemistry and Biochemistry, UCLA
- 1993-1995 NIH Cellular and Molecular Biology Training Grant, Department of Chemistry and Biochemistry, UCLA
- 1992 Departmental Prize for Excellence in the First Year of Graduate Study, Department of Chemistry and Biochemistry, UCLA
- 1990 NSF Summer Research Stipend Recipient at Bucknell University
- 1990 Sigma Xi Scientific Research Society, nominated member, Bucknell University chapter

Publications:

1. Weiss, M.S., Bell, C.E., Bennett, M.J., Collier, R.J., Schlunegger, M.P., Steere, B.S., and Eisenberg, D. (1996) A structure-based model of diphtheria toxin action. in *Protein Toxin Structure*. (Parker, M.J., Ed.) pp 25-47, R.G. Landes company, Texas.
2. Bell, C.E., and Eisenberg, D. (1996) Crystal structure of diphtheria toxin bound to nicotinamide adenine dinucleotide. *Biochemistry* 35, 1137-1149.
3. Bell, C.E., and Eisenberg, D. (1997) Crystal structure of nucleotide-free diphtheria toxin. *Biochemistry* 36, 481-488.
4. Bell, C.E., and Eisenberg, D. (1997) Crystal Structure of diphtheria toxin bound to nicotinamide adenine dinucleotide. *Advances in Experimental Medicine and Biology* 419, 35-43.
5. Bell, C.E., Poon, P.H., Schumaker, V.N., and Eisenberg, D. (1997) Oligomerization of a 45 kilodalton fragment of diphtheria toxin at pH 5.0 to a molecule of 20-24 subunits. *Biochemistry* 36, 15201-15207.
6. Bell, C.E., Yeates, T.O., and Eisenberg, D. (1997) Conformation of nicotinamide adenine dinucleotide (NAD) bound to diphtheria toxin: comparison with NAD bound to the oxidoreductase enzymes. *Protein Science* 6, 2084-2096.
7. Bell, C.E., and Lewis, M. (2000) A closer view of the conformation of the Lac repressor bound to operator. *Nature Structural Biology* 7(3), 209-214.
8. Bell, C.E., Frescura, P., Hochschild, A., and Lewis, M. (2000) Crystal structure of the λ repressor C-terminal domain provides a model for cooperative operator binding. *Cell* 101(7), 801-811.
9. Bell, C.E., and Lewis M. (2001) The Lac repressor: a second generation of structural and functional studies. *Current Opinion in Structural Biology*. 11(1), 19-25.
10. Bell, C.E., Barry J., Matthews, K.S., and Lewis M. Structural basis for enhanced stability of *lac* repressor bearing a K84L substitution. Manuscript submitted to *Journal of Molecular Biology*.
11. Bell, C.E. and Lewis M. Crystallographic analysis of Lac repressor bound to natural operator *O1*. Manuscript submitted to *Journal of Molecular Biology*.
12. Bell, C.E. and Lewis M. Crystal structure of the λ repressor C-terminal domain octamer. Manuscript submitted to *Journal of Molecular Biology*.