

Curriculum Vitae

Kyle Wilcox

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Education

- 2009 Ph.D., University of North Carolina at Chapel Hill, USA. Biochemistry and Biophysics – Emphasis in Molecular and Cellular Biophysics
- 2003 B.S. with Honors, University of Iowa, USA. Biochemistry
- 2000 Outdoor Leadership Semester, Outward Bound. Colorado, USA.
- 1999 Graduated Burlington High School, Iowa, USA

Work Experience

A. Paid

- 2002 – 2003 Undergraduate research assistant, Department of Biochemistry, University of Iowa

B. Service – Professional

- 2008 Reviewer, Chemical Research in Toxicology
- 2005 – 2006 Representative of the Department of Biochemistry and Biophysics to the UNC Chapel Hill graduate student senate
- 2004 – 2005 Member, Executive Board for the Molecular and Cellular Biophysics Training Program
- 2003 – 2004 Student representative, Molecular and Cellular Biophysics Training Program

C. Service – Personal

- 2006-2008 Volunteer, UNC Hospital Emergency Department
- 2002 Assisted Medical Ministries International (MMI) medical charity in Arequipa, Peru.

Teaching Record

A. Teaching Assistant

- 2005 BIOG 151 Macromolecular Interactions
- 2004 BIOG 146 Macromolecular Equilibria
- 2004 BIOG 144 Macromolecular Thermodynamics

B. Mentor

- 2004 – Present Guided the research of 4 graduate-level rotation students, 2 undergraduate students, and 1 full-time research technician

Publications

Wilcox, K.C., Jordon, J., Caplow, M., Dokholyan, N.V. The effect of FALS mutations on the mechanism of Cu,Zn superoxide dismutase oligomerization - *in preparation*

Wilcox, K.C., Zhou, L., Jordon, J., Huang, Y., Yu, Y., Redler, R.L., Chen, X., Caplow, M., Dokholyan, N.V. Modifications of superoxide dismutase (SOD1) in human erythrocytes: a possible role in amyotrophic lateral sclerosis (ALS). 2009. Journal of Biological Chemistry - *under review*

Chen Y., Ding F., Nie H., Serohijos A.W., Sharma S., ***Wilcox K.C.**, Yin S., Dokholyan N.V. Protein folding: then and now. 2008. Arch Biochem Biophys. **469**, 4-19

Khare S.D., **Wilcox K.C.**, Gong P., Dokholyan N.V. Sequence and structural determinants of Cu, Zn superoxide dismutase aggregation. 2005. Proteins. **61**, 617-32.

***co-first author**

Personal

Born November 1980 in Iowa City, IA. Married since July 2006. Interests include outdoor sports, international travel, and art (jewelry making, sculpture, photography).