

## LISA BOND

NIH-Cambridge and Churchill Scholar 2008

Degrees: University of North Carolina at Chapel Hill, B.S., Biology, 2002.

Research Interests: Cellular/Molecular Biology



Lisa Bond graduated summa cum laude from the University of North Carolina at Chapel Hill (UNC) in 2008 with a Bachelor of Science in Biology. Her undergraduate education was funded by a UNC Student Stores' Tuition Scholarship and a National Merit Scholarship. She was recognized on the Dean's List each semester and is a member of the UNC Honors Program, the Golden Key International Honor Society, and the Tri Beta National Biological Honor Society. During her three years as an undergraduate research assistant in a genetics laboratory, she investigated a protein complex necessary for the prevention of such chromosomal disorders as Down syndrome. Lisa has presented her findings at the 2006 and 2007 North Carolina Undergraduate Research Symposia and was featured on the cover of the January 2008 issue of *Current Biology*. Her senior honors thesis, which investigated the effects of intracellular tension on the turnover rates of histone proteins, was awarded highest honors and a George V. Taylor Award for Honors Undergraduate Research. As a 2007 summer research fellow at the National Institutes of Health, she became fascinated by myosin molecular motors, a protein class whose loss is linked to such disorders as neurodegeneration and prostate cancer. She received a travel grant from the American Society for Cell Biology (ASCB) to present her summer research at the 2007 ASCB Convention. As a 2008 Churchill Scholar, she will pursue an MPhil at Cambridge before beginning her PhD studies. Over the course of her graduate career, Lisa intends to continue her study of myosin proteins, focusing on a combined *in vivo* and *in vitro* study of the regulatory and kinetic activity of Myosin VI motor proteins.