

Jason J. Yi  
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## Education

- 8/97 – 5/01: **Dickinson College** (Carlisle, PA)
- Bachelor of Science, Magna Cum Laude, Biochemistry and Molecular Biology
- 12/99 – 6/00: **University of East Anglia/The John Innes Center** (Norwich, England)
- Molecular genetics program
- 8/03 – Present: **Duke University Medical Center** (Durham, NC)
- Ph.D. student – Departments of Pharmacology and Neurobiology, Program in Cell & Molecular Biology

## Research Experience

- 3/04 – Present: **Doctoral Research, Duke University Medical Center/Howard Hughes Medical Institute**
- Laboratory of Michael D. Ehlers, M.D., Ph.D., Department of Neurobiology, Howard Hughes Medical Institute
  - Investigating the role of conserved cell polarity proteins in mediating cytoskeletal dynamics during axon specification
- 11/03 – 3/04: **Graduate Research Assistant, Duke University Medical Center**
- Laboratory of Robert J. Lefkowitz, M.D., Department of Biochemistry
  - $\beta$ -arrestin-mediated p38 MAP kinase regulation revealed through RNA-interference.
- 8/03 – 11/03: **Graduate Research Assistant, Duke University Medical Center**
- Laboratory of John D. York, Ph.D., Department of Pharmacology
  - Identification of transcriptional elements mediating nuclear inositol signaling
- 6/01 – 7/03: **Research Associate, Cellular Genomics Inc.** (Branford, CT).
- Functional Proteomics – Use of membrane 1-hybrid technology for selection of protein interactions at the plasma membrane.  
*Ehrhard, KN et al (2000) Nat Biotechnol 18:1075-9*
  - Chemical Genetics – Knock-in mouse models for drug discovery using engineered kinases with altered ATP-binding properties.  
*Bishop AC et al (2000) Nature 407:395-401*

11/00 – 5/01: **Undergraduate Research Assistant, Dickinson College,  
Department of Biochemistry.**

- Role of glutathione pathways in regulating heavy metal oxidative stress in *Schizosaccharomyces Pombe*.
- Advisor: Joyce P. Whitehead, Ph.D.

5/00 – 8/00: **Undergraduate Research Assistant, The Fox Chase Cancer Center,  
Department of Basic Science (Philadelphia, PA)**

- Genetic methods to identify genes mediating sister chromatid cohesion during mitosis in *Saccharomyces Cerevisiae*.
- Advisor: Vincent Guacci, Ph.D.

## Teaching Experience

8/98 – 12/99: Teaching Assistant, Department of Physics, Dickinson College

1/01 – 5/01: Teaching Assistant, Department of Biochemistry, Dickinson College

## Scholarships and Awards

The Ruth K. Broad Biomedical Foundation Fellowship, 2006-present  
NIH Institutional Predoctoral Fellowship (NRSA 5T32 GM07184-30), 2003-2005  
Louise Hauer Greenberg Prize in Biochemistry, 2001  
Phi Beta Kappa, 2000  
Forney P. George Scholarship, 1998-1999  
Benjamin Rush Scholarship, 1997-2001  
Souderton Community Scholarship, 1997-1998

## Publications

Yi, J.J. and Ehlers, M.D. (2005). Ubiquitin and Protein Turnover in Synapse Function. *Neuron*, 47:629-632.

Yi, J.J. and Ehlers, M.D. (2005). Targeting Protein Degradation in the Nervous System. *Curr Med Chem – CNSA*, 5:285-306.

Yi, J.J. and Ehlers, M.D. Emerging Roles for Ubiquitin and Protein Degradation in Neuronal Function. *Pharm. Rev.* (Submitted)