

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Kai Orton	POSITION TITLE Graduate Student		
eRA COMMONS USER NAME			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Massachusetts	BS	1997-2000	Biology/Biochemistry
Northwestern University	PhD	2000- current	Molecular Biology

Please refer to the application instructions in order to complete sections A, B, and C of the Biographical Sketch.

**A. Research Grant Awards**

- 2005-2006: Northwestern University Graduate Fellowship  
 2002-2005: National Science Foundation Pre-doctoral Research Fellowship  
 Ford Foundation Pre-doctoral Research Fellowship (not accepted)

**Honors, Awards, & Achievements**

- 1999-2000 Psi Chi Honor Society  
 1999-2000 Golden Key Honor Society  
 1998-2000 Presidential Scholars Award, University of Massachusetts

**B. Poster Presentations**

- Midwest Stress Response and Chaperone Conference  
 Evanston, Illinois, February 2007  
 (Poster: The Chaperome 1.0: Cross-species Analysis of Molecular Chaperone Protein Families by Comparative Bioinformatics)
- Cold Spring Harbor: Molecular Chaperones and the Heat Shock Response  
 Cold Spring Harbor, New York, May 2006  
 (Poster: Altered Regulation of HSF1 and the Neuronal Heat Shock Response)
- Midwest Stress Response and Chaperone Conference  
 Evanston, Illinois, January 2006  
 (Poster: Bioinformatics Studies to Identify Mini-Networks)
- Midwest Stress Response and Chaperone Conference  
 Evanston, Illinois, January 2003  
 (Poster: The Regulated Localization of Hsp70)
- Endo 2001, Endocrine Society Meeting  
 Denver, Colorado, June 2001  
 (Poster: Apoptosis of cells in urine sediments as an index of ovarian status.)
- NCUR 2001, National Conference for Undergraduate Research  
 Lexington, Kentucky, March 2001

Principal Investigator/Program Director (Last, First, Middle): **Morimoto, Richard I.**

(Poster: Programmed cell death in urine sediment cells as an index of ovarian status.)

**C. Publications:**

Westerheide, S., Kawahara, T., **Orton, K.**, and Morimoto, R.I. (2006) Triptolide: an inhibitor of the human heat shock response that enhances stress-induced cell death. *JBC, In press.*

Voisine, C., **Orton, K.**, and Morimoto, R.I. (2007) Protein Misfolding, Chaperone Networks, and the Heat Shock Response in the Nervous System. *Molecular Neurology, Elsevier. In press.*