

APPLICANT/FELLOW BIOGRAPHICAL SKETCH**USE ONLY FOR INDIVIDUAL PREDOCTORAL and POSTDOCTORAL FELLOWSHIPS. DO NOT EXCEED FOUR PAGES.**

NAME OF APPLICANT/FELLOW Cindy Voisine		POSITION TITLE Postdoctoral Researcher	
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Bates College University of Wisconsin-Madison	B.S. Ph.D.		

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

Professional Positions

March 2005 - present Postdoctoral Researcher, Northwestern University
 Oct. 2000 - March 2005 Postdoctoral Researcher, MGH Cancer Center
 Aug. 1993 - Aug. 2000 Graduate Student, Department of Biomolecular Chemistry, University of Wisconsin, Madison, WI

Fellowships

April 2005 - April 2007 NIH Training Grant for Mechanisms of Aging and Dementia
 Jan. 2003 – Jan. 2005 Hereditary Disease Foundation - Milton Wexler Fellowship
 Dec. 2000 – Dec. 2002 Damon Runyon Cancer Research Foundation
 Aug. 1994 – Aug. 1997 NIH Training Program for Biotechnology

Awards

Hans Selye Award for outstanding young scientist, 2nd World Conference of Stress, Aug. 2007

Publications

Voisine, C, Schieber, M, Orton, K, and Morimoto, RI. (in preparation) Deciphering the chaperone code for protein homeostasis using *C. elegans* models.

Jeong, H*, Then, F*, Melia, TJ, Mazzulli, JR, Libin, C, Savas, JN, Voisine, C, Paganetti, P, Tanese, N, Hart, AC, Yamamoto, A, and Krainc, D. (2009) Acetylation Targets Mutant Huntingtin to Autophagosomes for Degradation. *Cell* 137: 60-72.

Voisine, C, Orton, K, and Morimoto, RI. (2007) Protein Misfolding, Chaperone Networks, and the Heat Shock Response in the Nervous System. *Molecular Neurology* Elsevier, Academic Press.

Varma, H, Cheng, R, Voisine, C, Hart, AC and Stockwell, BR. (2007) Small Molecule Inhibitors Of Metabolism Rescue Cell Death in Huntington's Disease Models. *Proc. Natl. Acad. Sci. (USA)* 104: 14525-14530.

Voisine, C*, Varma, H*, Walker, N*, Bates, EA, Stockwell BR and Hart AC. (2007) Identification of Potential Therapeutic Drugs for Huntington's Disease using *Caenorhabditis elegans*. ***PLoS ONE*** 2(6): e504.

Varma, H, Voisine, C, De Marco, CT, Cattaneo, E, Lo, DC, Hart, AC, and Stockwell, BR. (2007) Selective inhibitors of death in mutant huntingtin cells. ***Nature Chemical Biology*** 3(2): 99-100.

Voisine, C and Hart, AC. (2004) *C. elegans* as a model system for triplet repeat diseases. ***Methods in Molecular Biology*** Humana Press 277: 141-160.

Faber, PW*, Voisine, C*, King, DC, Bates E, Hart, AC. (2002) Glutamine/proline-rich PQE-1 proteins protect *Caenorhabditis elegans* neurons from huntingtin polyglutamine neurotoxicity. ***Proc. Natl. Acad. Sci. (USA)*** 99: 17131-17136.

Voisine, C, Cheng, YC, Ohlson, M, Schilke, B, Hoff, K, Beinert, H, Marszalek, J, Craig, EA. (2001) Jac1, a mitochondrial J-type chaperone, is involved in the biogenesis of Fe/S clusters in *Saccharomyces cerevisiae*. ***Proc. Natl. Acad. Sci. (USA)*** 98: 1483-1488.

Voisine, C, Schilke, B, Ohlson, M, Beinert, H, Marszalek, J, Craig EA. (2000) Role of the mitochondrial Hsp70s, Ssc1 and Ssq1, in the maturation of Yfh1. ***Molecular and Cellular Biology*** 20: 3677-3684.

Voisine, C, Craig, EA, Zufall, N, von Ahsen, O, Pfanner, N, Voos, W. (1999) The protein import motor of mitochondria: unfolding and trapping of preproteins are distinct and separable functions of matrix Hsp70. ***Cell*** 97: 565-574.

Craig, E, Voisine, C, Schilke, B. (1999) Mitochondrial Iron Metabolism in the Yeast *Saccharomyces cerevisiae*. ***Biological Chemistry*** 380: 1167-1173.

Schilke, B, Voisine, C, Beinert, H, Craig, EA. (1999) Evidence for a conserved system for iron metabolism in the mitochondria of *Saccharomyces cerevisiae*. ***Proc. Natl. Acad. Sci. (USA)*** 96: 10206-10211.

Davis, J, Voisine, C, Craig, EA. (1999) Intragenic suppressors of Hsp70 mutants: interplay between the ATPase and peptide binding domains. ***Proc. Natl. Acad. Sci. (USA)*** 96: 9269-9276.

*These authors contributed equally to this work

Oral presentations

47th American Society for Cell Biology Meeting, Deciphering the chaperone code for protein homeostasis using *C. elegans* models. Washington DC, Dec. 2007

3rd International Congress on Stress Responses in Biology and Medicine, Chaperone networks influencing protein misfolding and aggregation. Budapest, Hungary, Aug. 2007

21st Symposium of The Protein Society, Chaperone networks influencing protein misfolding and aggregation. Boston, MA, July 2007

Northwestern University Seminar Series: Pathway to the Professoriate, Selecting a postdoctoral position. Evanston, IL, Jan. 2007

Longevity Symposium, Monitoring protein homeostasis using *C. elegans* models. Napa, CA, Oct. 2006

University of Idaho, Department of Microbiology, Molecular Biology and Biochemistry, Using *C. elegans* as a model system to understand polyglutamine neurotoxicity. Moscow, ID, Nov. 2003

Huntington's Disease Research Meeting, Genetic analysis of polyglutamine neurotoxicity in *C. elegans*. Boston, MA, Aug. 2002

31st Society for Neuroscience Meeting, Genetic analysis of polyglutamine neurotoxicity in *C. elegans*. San Diego, CA, Nov. 2001

13th International *C. elegans* Meeting, Mutations in the *C. elegans pqe-1* gene enhance polyglutamine-mediated ASH neurodegeneration. Los Angeles, CA, June 2001

Midwest Stress Response and Chaperone Conference, Role of the mitochondrial Hsp70s, Ssc1 and Ssq1, in the maturation of Yfh1. Evanston, IL, Jan. 2000

Cold Spring Harbor Meeting: Molecular Chaperones and the Heat Shock Response, Role of the mitochondrial Hsp70s, Ssc1 and Ssq1, in the maturation of Yfh1. Cold Spring Harbor Laboratory, NY, May 2000