

Tali Gidalevitz

Citizenship: Israeli
Status in USA: Permanent resident

Address: Northwestern University
Department of Biochemistry
2205 Tech Dr., Hogan 2-100
Evanston, IL 60208

Phone: 847-491-3714
Email: t-gidalevitz@northwestern.edu

Education:

12/2003 PhD (Pathology)
University of Chicago

08/1995 B. Sc. Agr. (Plant Biology)
Hebrew University of Jerusalem, Israel

Professional experience:

02/04-current Postdoctoral Fellow
Northwestern University (with Dr. Richard I Morimoto)

09/97-09/00 Research Technician
University of Chicago (with Dr. Yair Argon)

09/96-09/97 Research Specialist (with Dr. Paula Henthorn)
University of Pennsylvania

08/95-02/96 Research Assistant (with Dr. Zach Adam)
Hebrew University of Jerusalem

Publications:

1. Gidalevitz T, Krupinski T, Garcia S, and Morimoto RI. Destabilizing protein polymorphisms in the genetic background direct phenotypic expression of mutant SOD1 toxicity. *PLOS Genetics*. in press

2. Wanderling S, Simen BB, Ostrovsky O, Ahmed NT, Vogen SM, Gidalevitz T, Argon Y. GRP94 is essential for mesoderm induction and muscle development because it regulates Insulin-like Growth Factor secretion. *Mol Biol Cell*. 2007 Oct;18(10):3764-75
3. Biswas C, Ostrovsky O, Makarewich CA, Wanderling S, Gidalevitz T, Argon Y. The peptide-binding activity of GRP94 is regulated by calcium. *Biochem J*. 2007 Jul 15;405(2):233-41.
4. Zourlidou A, Gidalevitz T, Kristiansen M, Landles C, Woodman B, Wells DJ, Latchman DS, de Belleruche J, Tabrizi SJ, Morimoto RI, Bates GP. Hsp27 overexpression in the R6/2 mouse model of Huntington's disease: chronic neurodegeneration does not induce Hsp27 activation. *Hum Mol Genet*. 2007 May 1;16(9):1078-90
5. Gidalevitz T, *, Ben-Zvi A. *, Ho K.H., Brignull H.R., Morimoto R.I. Progressive disruption of cellular protein folding in models of polyglutamine diseases. *Science* 10 March 2006:Vol. 311. no. 5766, pp. 1471 - 1474
6. Gidalevitz T.*, Biswas C.*, Ding H., Schneidman-Duhovny D., Wolfson H.J., Stevens F., Radford S. and Argon Y. Identification of the N-terminal peptide binding site of glucose-regulated protein 94. *J Biol Chem*. 2004 Apr 16;279(16):16543-52
7. Vogen S.M.*, Gidalevitz T.*, Biswas C., Simen B.S., Stein E., Gulmen F., and Argon Y. Radicol-sensitive peptide binding to the N-terminal portion of GRP94. *J Biol Chem*. 2002 Oct 25;277(43):40742-50
8. Henthorn P.S., Liu J., Gidalevich T., Fang J., Casal M.L., Patterson D., Giger U. Canine cystinuria: polymorphism in the canine SLC3A1 gene and identification of a nonsense mutation in cystinuric Newfoundland dogs. *Human Genetics*. 2000 107:295-303

* these authors contributed equally

Grants:

- | | |
|------|---|
| 2005 | Postdoctoral Kirschstein - NRSA Individual Research Training Grant, National Institute of General Medical Sciences |
| 2004 | Postdoctoral Kirschstein - NRSA Institutional Research Training Grant, National Heart, Lung, and Blood Institute |
| 2001 | Predocctoral Kirschstein - NRSA Institutional Research Training Grant, Cardiovascular Pathophysiology and Biochemistry, National Heart, Lung, and Blood Institute |

Presentations:

- 2008 Invited presentation. Disturbance of protein folding homeostasis in aging and in models of aging-related diseases. 10th Longevity Consortium Symposium, Boulder.
- 2006 Young Protein Scientist Talk. Progressive disruption of cellular protein folding in models of conformational diseases. The 20th Symposium of The Protein Society, San Diego.
- 2006 Talk. Progressive Disruption of Cellular Protein Folding in Models of Polyglutamine Diseases. 2006 Midwest Stress Response and Molecular Chaperone Meeting, Northwestern University, Evanston.
- 2005 Talk. Disease-related aggregation-prone proteins unmask pre-existing folding mutations. Midwest Protein Folding Conference, University of Notre Dame.
- 2003 Talk. N-terminal peptide binding site of GRP94: molecular modeling – guided mapping and characterization. Euresco Conference, Biology of Molecular Chaperones, Tomar, Portugal
- 2001 First prize in poster competition sponsored by Nature Reviews Molecular Cell Biology. Euroconference and EMBO Workshop on Mechanisms and Cellular Functions of Molecular Chaperones, Costa Brava, Spain
- 2000 Best graduate student presentation award. University of Chicago Committee on Immunology Faculty/Student/Postdoc Retreat, Lake Lawn, Wisconsin.