

Kelly Johanson, PhD

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PROFESSIONAL TRAINING and EXPERIENCE

- 2005-present **Postdoctoral Fellow:** Department of Genetics, LSU Health Sciences Center, New Orleans, LA.
- Currently examining the effect of the oncogenic transcription factor Pax3-FKHR on the development of Alveolar Rhabdomyosarcoma. Supervisor: Dr. Andrew Hollenbach
- 2003-2005 **Postdoctoral Fellow:** Department of Medicine/Nephrology Section at Tulane University Health Sciences Center, New Orleans, LA
- Conducted research on cisplatin toxicity in mammalian cells. Developed a successful protocol for antisense oligonucleotide design and transfection with several mammalian cell lines. Supervisor: Dr. Timothy G. Hammond
- 1998 - 2003 **Graduate Research Assistant:** Department of Biochemistry at Tulane University Health Sciences Center, New Orleans, LA
- Studied the process of RNA Polymerase II transcription termination in *Saccharomyces cerevisiae*. Supervisor: Dr. Linda E. Hyman
- 1995 - 1998 **Teaching Assistant:** Department of Biochemistry at Beloit College, Beloit, WI
- Supervised laboratory experiments for General Chemistry and Molecular Biology. Supervisor: Dr. Alfred Ordman

EDUCATION

- 2003 **Ph.D.**, Biochemistry, Tulane University
Thesis: Defining the role of *GRS1* in transcription termination
Advisor: Dr. Linda E. Hyman
- 1998 **B.S.**, Biochemistry, Beloit College
Double major in Music History

ACADEMIC AWARDS/HONORS

- 2003 Michael Gerber Award in Cellular and Molecular Biology, Tulane University Health Sciences Center Research Day
- 1998- 2002 Board of Regents Fellowship, Tulane University Health Sciences Center
- 1994- 1998 Presidential Scholarship, Beloit College

INVITED TALKS/PRESENTATIONS

- 2006 **Johanson K**, Sidhu A, Hollenbach A. "Identifying Transcriptional Targets in Cancer" Poster presented at the 2006 annual meeting of the American Society of Human Genetics, New Orleans, LA.
- 2003 **Johanson K**, Hoang T, Sheth M, Hyman LE " Defining a role for GRS1 in transcription termination" Poster presented at the 2003 annual meeting of the RNA Society, Vienna, Austria
- 2003 **Johanson K**, Hoang T, Sheth M, Hyman LE " Defining a role for GRS1 in transcription termination" Poster and talk presented at the Tulane University Health Sciences Center Research Day
- 2002 **Johanson K** and Hyman LE "A yeast glycyl tRNA synthetase with a role in 3' end formation" Poster presented at the Yeast Genetics and Molecular Biology, Madison, WI
- 2002 **Johanson K** and Hyman LE "A yeast glycyl tRNA synthetase with a role in 3' end formation" Poster and talk presented at the Tulane University Health Sciences Center Research Day
- 2001 **Johanson K**, Allen PL, Lewis F, Cubano LA, Hyman LE, Hammond TG "Gene expression changes during rotating wall vessel suspension culture" Poster and talk presented at the Tulane University Health Sciences Center Research Day
- 2001 **Johanson K**, Hyman LE, Hammond TG "Gene expression changes during rotating wall vessel suspension culture" Talk presented at the Southeast Regional Yeast Meeting, Hattiesburg, MS

PUBLICATIONS

Johanson K, Allen PL, Gonzalez-Villalobos RA, Nesbit J, Nickerson CA, Honer zu Bentrup K, Wilson JW, Ramamurthy R, D'Elia R, Muse KE, Freeman J, Stodieck LS, Hammond TG. Haploid deletion strains of *Saccharomyces cerevisiae* that determine survival during space flight. *Acta Astronautica* 2005. In press *Acta Astronautica*

Johanson K, Allen PL, Gonzalez-Villalobos RA, Baker CB, D'Elia R, Hammond TG. Gene expression and survival changes in *Saccharomyces cerevisiae* during suspension culture. *Biotechnol Bioeng*. 2006 Jan 26.

D'Elia R, Allen PL, **Johanson K** , Hammond TG. Homozygous diploid deletion strains of *Saccharomyces cerevisiae* that determine lag phase and dehydration tolerance. *Applied Microbiology & Biotechnology*. 2005 Jun;67(6):816-26.

Johanson K, Hoang T, Sheth M, Hyman LE. GRS1, a yeast tRNA synthetase with a role in mRNA 3' end formation. *J Biol Chem*. 2003 Sep 19;278(38):35923-30.

Johanson K, Allen PL, Lewis F, Cubano LA, Hyman LE, Hammond TG. *Saccharomyces cerevisiae* gene expression changes during rotating wall vessel suspension culture. *J Appl Physiol*. 2002 Dec;93(6):2171-80.

