

## BIOGRAPHICAL SKETCH

Name Tanya Magazinnik Spektor	Position Title: Graduate Student
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Academic Affiliation  
University of Southern California, Programs in Biomedical and Biological Sciences (PIBBS)

### EDUCATION:

Institution and Location	Degree	Year Conferred	Field of Study
Santa Monica Community College, Santa Monica, CA	A.A.	1999	Biological Sciences
Rutgers, The State University of New Jersey, Piscataway, NJ	B.S.	2002	Molecular Biology and Biochemistry
University of Southern California, Los Angeles, CA	Ph.D.	2003- present	Biochemistry

### RESEARCH AND PROFESSIONAL EXPERIENCE:

#### Employment:

1999-2000	Teacher's Assistant, Santa Monica Community College, Santa Monica, CA (PI: Marry Colavito, Ph.D.)
2000-2001	Undergraduate Laboratory Assistant, Department of Molecular Genetics and Microbiology, UMDNJ Robert Wood Johnson Medical School, Piscataway, NJ (PI: Lee Ann Schien, Ph.D.)
2001-2002	Undergraduate Research Assistant, Department of Molecular Genetics and Microbiology, UMDNJ Robert Wood Johnson Medical School, Piscataway, NJ (PI: Terri Goss Kinzy, Ph.D.)
2002-2003	Laboratory Technician, Department of Molecular Genetics and Microbiology, UMDNJ Robert Wood Johnson Medical School, Piscataway, NJ (PI: Terri Goss Kinzy, Ph.D.)
2003- present	Graduate Student, Department of Biochemistry and Molecular Biology, University of Southern California, Los Angeles, CA (PI: Judd C. Rice, Ph.D.)

#### Awards and Honors:

2001-2002	NSF Research Experience for Undergraduates Supplement (NSF MCB 9983565)
2002	Rutgers University Departmental High Honors
2003	Rutgers University Dean's List
2006	Best Student Seminar Presentation, USC Biochemistry Student Seminar Series (2 <sup>nd</sup> Place)
2007	PhD Student Poster Presentation, USC/Norris Comprehensive Cancer Center Graduate Student Poster Session and Grand Rounds (3 <sup>rd</sup> Place)
2008	California Institute for Regenerative Medicine Pre-doctoral Training Grant

#### Publications: (Peer-Reviewed)

- T. Magazinnik**, M. Anand, E. Sattlegger, , A.G. Hinnebusch and T.G. Kinzy, Interplay between GCN2 and GCN4 expression, translation elongation factor 1 mutations and translational fidelity in yeast. *Nucleic Acids Res.* 2005 Aug 12;33(14):4584-92.

2. Sims, J.K., Houston, S.I., **Magazinnik, T.** and Rice, J.C., A trans-tail histone code defined by monomethylated H4 LYS20 and H3 LYS9 demarcates distinct regions of silent chromatin, *Journal of Biological Chemistry* 2006 May 5; 281 12760-12766.

Abstracts:

1. Anand, M., Valente, L., **Magazinnik, T.** and Kinzy, T.G., The Role of eEF1A in Translation Fidelity in *Saccharomyces cerevisiae*, Mid- Atlantic Yeast Meeting, University of Virginia, Charlottesville, VA, 2001.
2. **Magazinnik, T.**, Anand, M. and Kinzy, T.G., Proteins That Modulate the Activity of the G- Protein Translation Elongation Factor 1A, Northeast Regional Yeast Meeting, Cornell University, Ithaca, NY, 2002.
3. **T. Magazinnik**, E. Sattlegger, A.G. Hinnebusch and T.G. Kinzy, Links between initiation and elongation of protein synthesis in post-transcriptional regulation, The Annual Retreat on Cancer Research in New Jersey, The Cancer Institute of New Jersey, The West Princeton at Forrestal Village, Princeton, NJ, 2003
4. Sims, J.K., Houston, S.I., **Magazinnik, T.**, Fischle, W., Allis, C.D., and Rice, J.C. A novel methyl-specific trans-tail histone code defines distinct regions of silent chromatin. Poster presentation at Keystone Meeting on Regulation of Eukaryotic Transcription, Taos, New Mexico, April 2006
5. **Magazinnik, T.**, Pham, C. and Rice, J.C. Global analysis of Histone H4 Lysine 20 and Histone H3 Lysine 9 methylation patterns in breast cancer progression cell line model. Poster presentation at the PacRim3 Breast and Prostate Cancer Meeting, Fraser Island, Australia, October 2006
6. Sims, J.K., Houston, S.I., **Magazinnik, T.**, Fischle, W., Allis, C.D., and Rice, J.C. A novel methyl-specific trans-tail histone code defines distinct regions of silent chromatin. Poster presentation at the PacRim3 Breast and Prostate Cancer Meeting, Fraser Island, Australia, October 2006
7. **Spektor, T.M.** and Rice J.C. Mammalian tethered catalysis: a novel method to identify modification-specific binding proteins *in vivo*. Oral presentation at Asilomar Chromatin and Chromosomes Conference, Monterey, California, December 2007
8. **Spektor, T.M.** and Rice J.C. Mammalian tethered catalysis: a novel method to identify modification-specific binding proteins *in vivo*. Oral presentation at Experimental Biology 2008 Conference, San Diego, California, April 2008

Reviews and Book Chapters:

1. **Spektor, T.M.**, Sims, J.K., Houston, S.I., Wu, S., and Rice, J.C. Histone Modifications and Epigenetics. Ed. Jerg Tost. *Horizon Scientific Press*, 2007.
2. Spektor, T. M. and Rice, J.C. Ring around the genes. *Nat Cell Biol.* 2007 Dec;9(12):1343-4.

