

BIOGRAPHICAL SKETCH

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NAME David Kadosh, Ph.D.	POSITION TITLE		
eRA COMMONS USER NAME	Assistant Professor		
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
Cornell University, Ithaca, NY	B.A.	1991	Biological Sciences
Harvard University, Cambridge, MA	Ph.D.	1998	Biological Chemistry & Molecular Pharmacology
University of California, San Francisco, CA	Postdoctoral Fellow	1998-2003	Microbiology & Immunology

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

A. Positions and Honors**RESEARCH AND PROFESSIONAL EXPERIENCE**

- 1985, 1986, 1988 (summers) Research Assistant with Prof. Howard A. Bern, Department of Zoology, University of California, Berkeley
- 1989-1991 Undergraduate Honors Researcher with Prof. Jeffrey W. Roberts, Department of Biochemistry, Molecular and Cellular Biology, Cornell University
- 1991-1992 Research Associate, COR Therapeutics, Inc., South San Francisco, CA
- 1992-1998 Graduate student with Prof. Kevin Struhl, Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School
- 1996 Teaching Fellow, Division of Experimental Medicine, Brigham and Women's Hospital, Harvard Medical School
- 1998-2003 Postdoctoral Fellow with Prof. Alexander D. Johnson, Department of Microbiology and Immunology, University of California, San Francisco (medical leave of absence, 2001-2002)
- 2003-2005 Postgraduate Researcher with Prof. Alexander D. Johnson, Department of Microbiology and Immunology, University of California, San Francisco
- 2006-present Assistant Professor, Department of Microbiology & Immunology, University of Texas Health Science Center at San Antonio (primary appointment)
- 2006-present Assistant Professor, Division of Infectious Diseases, Department of Medicine, University of Texas Health Science Center at San Antonio

HONORS

Golden Key National Honor Society (1989-1991)
Howard Hughes Medical Institute Undergraduate Research Scholar (1990-1991)
B.A., with Distinction in All Subjects and *magna cum laude* (1991)
National Science Foundation Predoctoral Fellow (1992-1995)
Albert J. Ryan Fellow (1995-1998)
Damon Runyan Cancer Research Foundation Postdoctoral Fellow (1998-2001)
UCSF NIH Biochemistry Training Grant (2002-2003)
UTHSCSA Executive Research Committee Fund New Investigator Award (2006-2007)
Burroughs Wellcome Fund Investigators in the Pathogenesis of Infectious Diseases Award Institutional nominee (2007, 2008)
Beckman Young Investigator Award Institutional nominee (2008)
Burroughs Wellcome Fund Junior Faculty Travel Grant (2008)
Proceedings of the National Academy of Sciences USA Recruited Author (2009)

B. Selected peer-reviewed publications (in chronological order)

PUBLICATIONS

1. DeRubertis, F., **Kadosh, D.**, Henchoz, S., Pauli, D., Reuter, G., Struhl, K. and Spierer, P. (1996). The histone deacetylase Rpd3 counteracts genomic silencing in *Drosophila* and yeast. *Nature* 384: 589-591.
2. **Kadosh, D.** and Struhl K. (1997). Repression by Ume6 involves recruitment of a complex containing Sin3 corepressor and Rpd3 histone deacetylase to target promoters. *Cell* 89: 365-371.
3. **Kadosh, D.** and Struhl K. (1998). Histone deacetylase activity of Rpd3 is important for transcriptional repression *in vivo*. *Genes Dev.* 12: 797-805.
4. **Kadosh, D.** and Struhl K. (1998). Targeted recruitment of the Sin3-Rpd3 histone deacetylase complex generates a highly localized domain of repressed chromatin *in vivo*. *Mol. Cell. Biol.* 18: 5121-5127.
5. Struhl, K., **Kadosh, D.**, Keaveney, M., Kuras, L. and Moqtaderi, Z. (1998). Activation and repression mechanisms in yeast. *Cold Spring Harbor Symposium Quant. Biol.* 63: 413-421.
6. **Kadosh, D.** and Johnson, A.D. (2001). Rfg1, a protein related to the *Saccharomyces cerevisiae* hypoxic regulator Rox1, controls filamentous growth and virulence in *Candida albicans*. *Mol. Cell. Biol.* 21: 2496-2505.
7. *Braun, B.R., ***Kadosh, D.** and Johnson, A.D. (2001). *NRG1*, a repressor of filamentous growth in *C. albicans*, is down-regulated during filament-induction. *EMBO J.* 20: 4753-4761.
8. **Kadosh, D.** and Johnson, A.D. (2005). Induction of the *Candida albicans* filamentous growth program by relief of transcriptional repression: a genome-wide analysis. *Mol. Biol. Cell* 16: 2903-2912.
9. Banerjee, M., Thompson, D.S., Lazzell, A., Carlisle, P.L., Pierce, C., Monteagudo, C., López-Ribot, J.L., and **Kadosh, D.** (2008). *UME6*, a novel filament-specific regulator of *Candida albicans* hyphal extension and virulence. *Mol. Biol. Cell* 19:1354-1365.

* These authors made equal contributions.

Principal Investigator/Program Director (Last, First, Middle): Kadosh, David

10. Carlisle, P.L., Banerjee, M., Lazzell, A., Monteagudo, C., López-Ribot, J.L. and **Kadosh, D.** (2009). Expression levels of a filament-specific transcriptional regulator are sufficient to determine *C. albicans* morphology and virulence. *Proc. Natl. Acad. Sci. USA* 106: 599-604.
Cover article, see commentary: Bastidas, R.J. and Heitman, J., Proc. Natl. Acad. Sci. USA 106: 351-352 (2009).