KATHLEEN T. XIE

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Curriculum Vitae

EDUCATION & TRAINING

Ph.D. Biochemistry, in progress
Stanford University (Stanford, CA)
Thesis advisor: Dr. David M. Kingsley

S.B. Biology, 2009
Massachusetts Institute of Technology (Cambridge, MA)
Research advisor: Dr. David P. Bartel

AWARDS

2009 NSF, Graduate Research Fellowship
2009 Phi Beta Kappa (MIT)
2009 Association of MIT Alumnae, Senior Academic Award
2008 Josephine de Karman Fellowship
2008 Oxford University Press, Achievement in Chemistry Prize (University of Cambridge)
2007 MIT Office of the President, Susan Hockfield Prize in Life Sciences
2005 Siemens Foundation, Award for Advanced Placement

TEACHING & MENTORING

2011 Teaching assistant, Advanced Graduate Genetics class, Stanford
2010 Teaching assistant, Advanced Graduate Genetics class, Stanford
2008 Volunteer, High School Student Research Program, Broad Institute
2007 Research mentor, Interphase (program for advising new minority students), MIT
2007 Tutor, Introductory Biology and Introductory Physics classes, MIT

PATENTS

2009 RNAi in budding yeast

PUBLICATIONS

Graduate

LFZ Batista, MF Pech, FL Zhong, HN Nguyen, **KT Xie**, et al., and SE Artandi. Telomere shortening and loss of self-renewal in dyskeratosis congenita induced pluripotent stem cells. *Nature* 474: 399-402 (2011).

Undergraduate

IA Drinnenberg*, DE Weinberg*, **KT Xie***, JP Mower, KH Wolfe, GR Fink, and DP Bartel. RNAi in budding yeast. *Science* 326: 544-550 (2009).
*** These authors contributed equally to this work**

M Fernandez Suarez, H Baruah, L Martinez Hernandez, **KT Xie**, JM Baskin, CR Bertozzi, and AY Ting. Redirecting lipoic acid ligase for cell surface protein labeling with small-molecule probes. *Nature Biotechnol.* 25: 1483-1487 (2007).

High school

C-C Zhang, M Kaba, G Ge**, K Xie**, W Tong, C Hug, and HF Lodish. Angiopoietin-like proteins stimulate ex vivo expansion of hematopoietic stem cells. *Nature Med.* 12: 240-245 (2006).

PRESENTATIONS

Talk Adaptive evolution via repeated deletions in a vertebrate enhancer
Conference: Effects of genome structure on the generation of variation and evolution
DIMACS Conference, Rutgers University, NJ
August 9-11, 2011