

## Stephanie J. Spielman

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<b>Contact Information</b>	stephanie.spielman@gmail.com <a href="https://sjspielman.github.io">https://sjspielman.github.io</a>	
<b>Education</b>	<b>University of Texas at Austin</b> , Austin, TX. Ph.D. in Ecology, Evolution, and Behavior. Advisor: Claus O. Wilke.	Expected May 2016
	<b>Brown University</b> , Providence, RI. Sc.B. in Biology, with Honors. Advisor: Daniel M. Weinreich.	2010
<b>Awards and Honors</b>	<b>Outstanding Teaching Award</b> UT Austin, Biology Instructional Office.	2014
	<b>UT Austin EEB Travel Grant</b> UT Austin, Department of Integrative Biology.	2013
	<b>UT Austin Integrative Biology Graduate Recruitment Fellowship</b> UT Austin, Department of Integrative Biology.	2011
	<b>Undergraduate Teaching and Research Award</b> Brown University.	2009
<b>In Prep Manuscripts</b>	<i>Large, structurally-curated alignment and phylogeny of vertebrate biogenic amine receptors.</i> <b>Spielman SJ</b> , Kumar K, and Wilke CO.	
<b>Submitted Manuscripts</b>	<i>The relationship between <math>dN/dS</math> and scaled selection coefficients.</i> <b>Spielman SJ</b> and Wilke CO. In review, Mol Biol Evol.	
<b>Peer-reviewed Publications</b>	<i>Limited utility of residue masking for positive-selection inference.</i> <b>Spielman SJ</b> , Dawson ET, and Wilke CO. 2014. Mol Biol Evol 31(9):2496 - 2500.	
	<i>Predicting evolutionary site variability from structure in viral proteins: buriedness, flexibility, and design.</i> Shahmoradi A, Sydykova DK, <b>Spielman SJ</b> , Jackson EL, Dawson ET, Meyer AG, and Wilke CO. 2014. J Mol Evol 79:130 - 142.	
	<i>Maximum allowed solvent accessibilities of residues in proteins.</i> Tien MZ, Meyer AG, Sydykova DK, <b>Spielman SJ</b> , and Wilke CO. 2013. PLoS One 8(11):e80635.	
	<i>Membrane environment imposes unique selection pressures in transmembrane domains</i>	

*of G-protein coupled receptors.* **Spielman SJ** and Wilke CO. 2013. J Mol Evol 76(3):172 - 182.

<b>Presentations and Posters</b>	<b>Molecular Evolution of Membrane Proteins.</b> 2013 Contributed talk at <i>Mechanisms of Protein Evolution II</i> Conference, Aurora, CO.
	<b>Membrane environment imposes unique selection pressures on GPCRs.</b> 2013 Contributed poster at <i>Annual BEACON Congress</i> , East Lansing, MI.
<b>Teaching</b>	<b>TA, Undergraduate Biostatistic</b> Fall 2013 UT Austin, Department of Statistics and Data Science.
	<b>TA, Undergraduate Evolution.</b> Spring 2013 UT Austin, Department of Integrative Biology.
	<b>TA, Undergraduate Biostatistics.</b> Fall 2012 UT Austin, Department of Statistics and Data Science.
	<b>TA, Undergraduate Evolutionary Biology.</b> Fall 2009 Brown University, Department of Biology.