

Stephanie J. Spielman

Contact Information	stephanie.spielman@gmail.com https://sjspielman.github.io	
Education	University of Texas at Austin , Austin, TX. Ph.D. in Ecology, Evolution, and Behavior. Advisor: Claus O. Wilke.	Expected May 2016
	Brown University , Providence, RI. Sc.B. in Biology, with Honors. Advisor: Daniel M. Weinreich.	2010
Awards and Honors	Outstanding Teaching Award UT Austin, Biology Instructional Office.	2014
	UT Austin EEB Travel Grant UT Austin, Department of Integrative Biology.	2013
	UT Austin Integrative Biology Graduate Recruitment Fellowship UT Austin, Department of Integrative Biology.	2011
	Undergraduate Teaching and Research Award Brown University.	2009
In Prep Manuscripts	<i>Large, structurally-curated alignment and phylogeny of vertebrate biogenic amine receptors.</i> Spielman SJ , Kumar K, Sedaghat A, and Wilke CO.	
Submitted Manuscripts	<i>The relationship between dN/dS and scaled selection coefficients.</i> Spielman SJ and Wilke CO. In review, Mol Biol Evol.	
Peer-reviewed Publications	<i>Limited utility of residue masking for positive-selection inference.</i> Spielman SJ , 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, Spielman SJ , 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, Spielman SJ , 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.

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