

## Stephanie J. Spielman

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https://sjspielman.github.io

**Education**      **University of Texas at Austin**, Austin, TX.      Expected May 2016  
Ph.D. in Ecology, Evolution, and Behavior  
Advisor: Claus O. Wilke, PhD

**Brown University**, Providence, RI.      2010  
Sc.B. in Biology, with Honors  
Advisor: Daniel M. Weinreich, PhD

**Awards and Honors**      **Outstanding Teaching Award**      2014  
UT Austin, Biology Instructional Office

**UT Austin EEB Travel Grant**      2013  
UT Austin, Department of Integrative Biology

**SMBE Graduate Student Travel Grant**      2013  
Society for Molecular Biology and Evolution

**UT Austin Integrative Biology Graduate Recruitment Fellowship**      2011  
UT Austin, Department of Integrative Biology

**Undergraduate Teaching and Research Award**      2009  
Brown University

**Submitted Manuscripts**      *Comprehensive, structurally-curated alignment and phylogeny of vertebrate biogenic amine receptors.* **Spielman SJ**, Kumar K, and Wilke CO. In review, PeerJ. preprint <https://peerj.com/preprints/571/>

*The relationship between dN/dS and scaled selection coefficients.* **Spielman SJ** and Wilke CO. In review, Mol Biol Evol.

**Peer-reviewed Publications**      *Limited utility of residue masking for positive-selection inference.* **Spielman SJ**, Dawson ET, and Wilke CO. 2014. Mol Biol Evol 31(9):2496 - 2500.

*Predicting evolutionary site variability from structure in viral proteins: buriedness, flexibility, and design.* Shahmoradi A, Sydykova DK, **Spielman SJ**, Jackson EL, Dawson ET, Meyer AG, and Wilke CO. 2014. J Mol Evol 79:130 - 142.

*Maximum allowed solvent accessibilities of residues in proteins.* Tien MZ, Meyer AG, Sydykova DK, **Spielman SJ**, and Wilke CO. 2013. PLoS One 8(11):e80635.

*Membrane environment imposes unique selection pressures in transmembrane domains 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 Biostatistics</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.