

Hannah F. Mark

MIT-WHOI Joint Program in Oceanography | Marine Geology and Geophysics
hmark@whoi.edu | (646) 784 0600 | <http://web.mit.edu/hfmark/www>

EDUCATION

MIT-WHOI Joint Program, Ph.D. Marine Geology and Geophysics	Expected 2019
University of Chicago, B.A. Physics and Geophysical Sciences	2014

PUBLICATIONS

Mark, H. F., M. D. Behn, J.-A. Olive, & Y. Liu (2018). Controls on mid-ocean ridge normal fault seismicity across spreading rates from rate-and-state friction models. *Journal of Geophysical Research: Solid Earth*, 123.

Mark, H. F., D. Lizarralde, J. A. Collins, N. C. Miller, G. Hirth, J. B. Gaherty, & R. L. Evans. Azimuthal seismic anisotropy of 70 Ma Pacific-plate upper mantle (submitted)

SELECTED PRESENTATIONS

Mark, H. F., D. Lizarralde, J. Collins, N. Miller, G. Hirth, J. Gaherty, R. Evans (2017). Seismic anisotropy of 70 Ma Pacific-plate upper mantle. Presented at 2017 Fall Meeting, AGU, New Orleans, LA, December 11-15.

Mark, H. F., M. Behn, Y. Liu, J.-A. Olive (2017). Geometric and thermal controls on normal fault seismicity. Presented at 2017 Fall Meeting, AGU, New Orleans, LA, December 11-15 (invited).

Mark, H. F. (2017). (Way) under the sea: Imaging the rocks beneath the deep ocean. Presented for the Science Made Public lecture series, Woods Hole, MA, August 1.

Mark, H. F. (2017) The lithosphere-asthenosphere boundary: What it is, where it is, and why you should care. Presented at the Woods Hole Public Library, Woods Hole, MA, May 1.

RESEARCH EXPERIENCE

MIT-WHOI Joint Program, Marine Geology and Geophysics	Since 2014
R/V <i>Neil Armstrong</i> cruise AR23-02	2017
R/V <i>Neil Armstrong</i> cruise AR05	2016
ENAM land seismic experiment, North Carolina	2015
PRIDE SeisORZ seismic experiment, Botswana	2014
Summer Student Fellow, Woods Hole Oceanographic Institution	2013
Undergraduate Research Assistant, University of Chicago	2011-14

TEACHING EXPERIENCE

Kaufman teaching certificate program, MIT Teaching and Learning Lab	2018
Classroom assistant, WHOI Software Carpentries workshop	2018

Lecturer, WHOI Summer Math Review	2017
Co-instructor, MS-3221: Oceanography, Massachusetts Maritime Academy	2017
Teaching Assistant, MIT 12.702: Elements of Modern Oceanography	2016
Lecturer, WHOI Summer Math Review	2016

AWARDS

GeoPrisms OSPA, Honorable Mention	2016
AGU OSPA (Tectonophysics)	2016
National Science Foundation Graduate Research Fellowship	2015
MIT Provost Women's Fellowship	2014
Phi Beta Kappa, Beta of Illinois	2014
John Crerar Science Writing Prize	2013

SERVICE

Librarian, MIT-WHOI Joint Program Farrington Collection	Since 2015
Steering Committee, 500 Women Scientists Woods Hole	Since 2018
Blog manager, MIT-WHOI Broader Impacts Group	2016-17
Web administrator, Graduate Women at MIT Mentoring Program	2015-16
Coordinator, WHOI Summer Math Review	2014-16