

# Stanford

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## Sandra R. Holden, Ph.D.

Director, Proposal Development Office, SoM Proposal Development Office

### Bio

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#### BIO

Dr. Sandra Holden is the Director of the Proposal Development Office (PDO) in the Stanford School of Medicine. The PDO provides expert consultation on grant proposal strategy, proposal management and facilitation, grant writing and editing, and streamlined proposal administrative support for School of Medicine faculty. The PDO also leads initiatives in the School of Medicine that increase institutional competitiveness and enable strategic research growth. Sandra has over six years of experience helping PIs prepare competitive grant proposal applications at Stanford. Prior to joining Stanford, Sandra completed her PhD and postdoctoral training at UC Irvine.

#### CURRENT ROLE AT STANFORD

Director, School of Medicine Proposal Development Office

#### HONORS AND AWARDS

- Climate and Global Change Postdoctoral Fellowship, National Oceanic and Atmospheric Administration (2014)
- Outstanding Graduate Student Award, University of California, Irvine (2014)
- Outstanding Student Paper Award, American Geophysical Union (2011)
- Graduate Research Fellowship, Environmental Protection Agency (2010)
- Graduate Research Fellowship, National Science Foundation (2010)
- Graduate Research Fellowship, Department of Energy (2010)

#### EDUCATION AND CERTIFICATIONS

- PhD, University of California Irvine , Ecology and Evolutionary Biology (2014)
- BS, Gonzaga University , Biology (2009)

#### LINKS

- PDO Website: <https://med.stanford.edu/pdo.html>

### Professional

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#### PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, National Organization of Research Development Professionals (2015 - present)

## Publications

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### PUBLICATIONS

- **Source signatures from combined isotopic analyses of PM<sub>2.5</sub> carbonaceous and nitrogen aerosols at the peri-urban Taehwa Research Forest, South Korea in summer and fall** *SCIENCE OF THE TOTAL ENVIRONMENT*  
Lim, S., Lee, M., Czimczik, C. I., Joo, T., Holden, S., Mouteva, G., Santos, G. M., Xu, X., Walker, J., Kim, S., Kim, H., Kim, S., Lee, et al  
2019; 655: 1505–14
- **Smoke radiocarbon measurements from Indonesian fires provide evidence for burning of millennia-aged peat** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Wiggins, E. B., Czimczik, C. I., Santos, G. M., Chen, Y., Xu, X., Holden, S. R., Randerson, J. T., Harvey, C. F., Kai, F., Yu, L. E.  
2018; 115 (49): 12419–24
- **Fire severity influences the response of soil microbes to a boreal forest fire** *ENVIRONMENTAL RESEARCH LETTERS*  
Holden, S. R., Rogers, B. M., Treseder, K. K., Randerson, J. T.  
2016; 11 (3)
- **Decreases in soil moisture and organic matter quality suppress microbial decomposition following a boreal forest fire** *SOIL BIOLOGY & BIOCHEMISTRY*  
Holden, S. R., Berhe, A. A., Treseder, K. K.  
2015; 87: 1-9
- **Quantifying fire-wide carbon emissions in interior Alaska using field measurements and Landsat imagery** *JOURNAL OF GEOPHYSICAL RESEARCH-BIOGEOSCIENCES*  
Rogers, B. M., Veraverbeke, S., Azzari, G., Czimczik, C. I., Holden, S. R., Mouteva, G. O., Sedano, F., Treseder, K. K., Randerson, J. T.  
2014; 119 (8): 1608-1629
- **Factors affecting host range in a generalist seed pathogen of semi-arid shrublands** *PLANT ECOLOGY*  
Beckstead, J., Meyer, S. E., Reinhart, K. O., Bergen, K. M., Holden, S. R., Boekweg, H. F.  
2014; 215 (4): 427-440
- **A meta-analysis of soil microbial biomass responses to forest disturbances** *FRONTIERS IN MICROBIOLOGY*  
Holden, S. R., Treseder, K. K.  
2013; 4
- **Fungal Carbon Sequestration** *SCIENCE*  
Treseder, K. K., Holden, S. R.  
2013; 339 (6127): 1528-1529
- **Changes in Soil Fungal Communities, Extracellular Enzyme Activities, and Litter Decomposition Across a Fire Chronosequence in Alaskan Boreal Forests** *ECOSYSTEMS*  
Holden, S. R., Gutierrez, A., Treseder, K. K.  
2013; 16 (1): 34-46
- **The effect of fire on microbial biomass: a meta-analysis of field studies** *BIOGEOCHEMISTRY*  
Dooley, S. R., Treseder, K. K.  
2012; 109 (1-3): 49-61
- **Evidence for Different Contributions of Archaea and Bacteria to the Ammonia-Oxidizing Potential of Diverse Oregon Soils** *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*  
Taylor, A. E., Zeglin, L. H., Dooley, S., Myrold, D. D., Bottomley, P. J.  
2010; 76 (23): 7691-7698
- **Characterizing the interaction between a fungal seed pathogen and a deleterious rhizobacterium for biological control of cheatgrass** *BIOLOGICAL CONTROL*  
Dooley, S. R., Beckstead, J.  
2010; 53 (2): 197-203