

Clarke A. Knight

CURRICULUM VITAE

- CURRENT POSITION** PhD student, University of California, Berkeley
Environmental Science, Policy and Management
- ADDRESS** Department of Environmental Science, Policy and Management,
Mulford Hall, UC Berkeley, Berkeley, CA, 94720
clarke.knight@berkeley.edu
- EDUCATION** University of Oxford (2015-2016)
MSc, Biodiversity, Conservation and Management
Distinction on thesis and overall performance.
Concentration in Paleoecology
- University of Oxford (2014-2015)
MSc, Water Science, Policy and Management
Concentration in Aquatic and Invasive Ecology
- Smith College (2010-2014), *summa cum laude*
BA, Chemistry Major, Environmental Science Minor

PUBLICATIONS

- Knight CA**, Blois J, Blonder B, Macias-Fauria M, Ordonez A, Svenning J-C, (*submitted*)
Influence of climate on North American pollen assemblages since the Last Glacial
Maximum.
- Knight CA**, Hughes J M, and T Johns. 2017. What drives non-native amphipod distributions in
the River Thames? The role of habitat and human activity on species abundance.
Crustaceana 90:4, 399-416. DOI: [10.1163/15685403-00003665](https://doi.org/10.1163/15685403-00003665)
- Knight CA**, Newton, RM, Anderson MR, Martini AM, Kopicki M, 2014, Mercury Release from
Soil Organic Horizons Impacted by Invasive Earthworms: Geologic Society of America,
Abstract for 49th Annual Meeting, p. 106.
- Knight CA**, Young N, Burk L, 2013, *A History of Women Chemists at Smith College*, Archival
work and story compilation. Stored in the archives and online.
- Knight CA**, 2012, *Footnotes in Architecture: An Annotated Bibliography of Women Designers*.
Agawam, MA: Bridgeport National Bindery, In Print. Ed. James Middlebrook. (print
book).

ACADEMIC AWARDS & GRANTS

UC BERKELEY

- 2017 SPUR, to sponsor an undergrad research assistant in summer 2017 (*\$500*)
- 2017 UC Berkeley Bioscience Symposium Grant (*\$2,500*)
- 2016 Starter Grant Funding for summer 2017 research, ESPM department (*\$2,500*)
- 2016 SPUR, to sponsor an undergrad research assistant in spring 2017 (*\$1000*)
- 2016 Hellman Graduate Scholar, UC Berkeley (*\$35,000*)
- 2016-2021 UC Berkeley Fellowship for Graduate Study (*5 years tuition & fees*)
- 2016 UC Davis Graduate Group in Ecology Fellowship (*\$62,000 - declined*)
- 2016 UC Davis Dean's Circle Graduate Student Award (*\$30,000 - declined*)

UNIVERSITY OF OXFORD

- 2014-2016 Rhodes Scholar (*\$50,000 x 2 years*)
- 2016 Biodiversity, Conservation and Management Thesis Grant (*\$700*)
- 2015 Sir Peter Elworthy Research Grant, Master's Thesis (*\$1,500*)
- 2015 Geography and Environment Departmental Grant, Thesis (*\$1,000*)

SMITH COLLEGE

- 2010-2014 STRIDE Merit Scholar (*\$15,000 x 4 years*)
- 2014 Schultz Summer Undergrad Research Fellowship (*\$4,000*)
- 2014 Highest Honors and Latin Honors for Senior thesis
- 2014 Hause-Scheffer Memorial Prize for best senior record in Chem Dept (*\$500*)
- 2014 Outstanding Undergraduate Poster Award, Geological Society
- 2013 National Iota Sigma Pi Undergraduate Award for Woman in Chemistry
- 2013 Analytical Chemistry Division Award, ACS (*\$500*)
- 2013 ORISE Fellowship, CDC, Atlanta, Georgia (*\$6,000*)
- 2012 Praxis International Experience Grant, Australia (*\$4,000*)
- 2012 John Everett Brady Prize for best performance in Latin Dept (*\$500*)
- 2011 2nd place, National Hakeem Memorial College Essay Contest (*\$1000*)
- 2011 Arthur Ellis Hamm Scholarship, best first year record
- 2011 Chemistry Department Achievement Award, best performance (*\$500*)
- 2010 Byrd Scholar, for highest SAT in Nevada (*\$4,000*)

RESEARCH EXPERIENCE

- 2016-present *Dissertation pilot project.* Determining pollen accumulation rates (PAR) for California mixed conifer forests in Klamath forests. Set up pollen traps in both field sites in summer 2017.
- 2015-2016 *Master's Thesis.* Modeled North American taxa response to climate change during the Late Quaternary using fossil pollen data and quantified community level disequilibrium (Dr. Benjamin Blonder, Oxford University; in collaboration with Ecoinformatics and Biodiversity Group at Aarhus University).
- 2014-2015 *Master's Thesis.* Conducted ecological river surveys to measure invasive shrimp distribution and dispersal rates in Thames Catchment, UK. Published in *Crustaceana* (Dr. Jocelyne Hughes, Oxford University; in collaboration with Environment Agency).

PRESENTATIONS/CONFERENCES

- 2017 “It’s getting hot in here: a plant’s climate change survival guide” at the **Berkeley Public Library** as part of the monthly Science Seminar Series.
- 2017 One of four co-organizers for the **UCB Bioscience Symposium** (competitively funded). We convened a full day symposium on Photosynthesis, Carbon Fixation and the Environment for three UCB departments.
- 2017 “Climate disequilibrium in North American pollen assemblages since the Last Glacial Maximum” **International Biogeography Society** – 8th Biennial Conference. Poster presentation.
- 2016 “Climate-vegetation disequilibrium in North American forests since the Last Glacial Maximum” **Aarhus University**, Department of Bioscience - Ecoinformatics and Biodiversity.

LEADERSHIP & SERVICE

- 2017 **40th Anniversary of Rhodes Women.** Volunteered for the General Committee and Programme Sub-committee.
- 2015-2016 **Class Representative, Oxford Masters Program.** Met with faculty for monthly meetings, liaised with students regarding the course, organized class activities.
- 2015-present **Rhodes Scholar Library.** Spearheaded a library initiative to create a scholars’ library at Rhodes House. Expanding from Oxford community to 5,000 living scholars.
- 2015-present **Rhodes climate change group.** Weekly meetings and presentations each term. **Rhodes science group.** Informal weekly discussion and presentations.