

CURRICULUM VITAE

ALEXANDRA DOYLE

Ph.D. student in Geochemistry (2016-present)
Department of Earth, Planetary, and Space Sciences
University of California, Los Angeles
a.doyle@ucla.edu

EDUCATION

Ph.D., *expected*, Astrochemistry/Cosmochemistry (formally, Geochemistry), 2021
University of California, Los Angeles

M.S. Astrochemistry/Cosmochemistry (formally, Geochemistry), 2019
University of California, Los Angeles

B.A. *cum laude*, Geology and Mathematical Economics, 2015
Colgate University
Bachelor's Thesis: Cyclic Geochemical Variation in Prehistoric and Historic Lavas, Sakurajima volcano, Japan

EMPLOYMENT HISTORY

University of California at Los Angeles, Los Angeles, CA

Graduate Student Researcher, September 2016-Present

Teaching Assistant, September 2016-Present

Classes taught: Solar System and Planets 2016, 2018; Earth's Energy 2017; Teaching Earth, Planetary, and Space Sciences 2019, 2020

PUBLICATIONS

Alexandra E. Doyle, Edward D. Young, Beth Klein, Ben Zuckerman and Hilke E. Schlichting. (2019) Oxygen fugacities of extrasolar rocks: evidence for an Earth-like geochemistry of exoplanets. *Science* **366**, 356-359.

CONFERENCE ABSTRACTS

Alexandra E. Doyle, Edward D. Young, Ben Zuckerman, Beth Klein and Hilke E. Schlichting. Exoplanetary Oxygen Fugacities from Polluted White Dwarf Stars. *LPSC*, March 2019 [Poster]

Alexandra E. Schneider and Edward D. Young. Wolf-Rayet Stars and the Origin of Short-Lived Radionuclides. *LPSC*, March 2018 [Talk]

Alexandra Schneider, Karen S Harpp, James Forbes, and Ashley Nagle. Cyclic Geochemical Variation in Prehistoric and Historic Lavas, Sakurajima, Japan. *AGU*, December 2014 [Poster]

OTHER TALKS

University of California, Los Angeles "iPLEX/Planetary Science Seminar": Oxygen fugacities of extrasolar rocks: evidence for an Earth-like geochemistry of exoplanets. Fall 2019.

University of California, Los Angeles "iPLEX/Planetary Science Seminar": Exoplanetary Oxygen Fugacities from Externally Polluted White Dwarf Stars. Fall 2018.

University of California, Los Angeles “Geocheminar 15 min Talks”: Cyclic Geochemical Variation at Sakurajima volcano, Japan. Spring 2017.

HONORS AND AWARDS

Stephen E. Dworkin Planetary Geoscience Best Graduate Poster Presentation Award, 2019
UCLA Excellence in Teaching Award 2017, 2019
NASA Space Grant Fellowship 2017, 2018
UCLA EPSS Departmental Scholarship 2016-2017
Colgate University Dean’s List 2011-2015

AWARDED OBSERVING PROPOSALS

(2019) Melis, C., Zuckerman, B., Dufour, P., Klein, B., and **Doyle, A.** Polluted White Dwarf Survey. *UCO/Lick Observatory*. 2019B_S019. 13 nights, August-December, 2019.

(2019) Melis, C., Zuckerman, B., Dufour, P., Klein, B., and **Schneider, A.** Polluted White Dwarf Survey. *UCO/Lick Observatory*. 2019A_S002. 18 nights, February-July, 2019.

(2018) Zuckerman, Xu, S., P., Klein, B., Young, E., and **Schneider, A.** Exoplanetary Cosmochemistry from Metal-Polluted White Dwarfs. *Keck Observing Program*. 2018B_U062. 2 nights, October 26 (1/2), October 27 (1/2), October 29, 2018.

OUTREACH

UCLA Meteorite Gallery Docent, 2016-present
UCLA Exploring Your Universe events, 2016-present
Colgate University Science Outreach, 2013-2015

EXPERIENCE

Computational

Working proficiency in IDL, Python

Observational

Autonomous on UCO/Lick Observatory’s Shane 3M telescope