

UNA GAYLIN SCHNECK

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LAST UPDATED: SEPTEMBER 2022

CURRENT AFFILIATION

Department of Earth, Atmospheric, and Planetary Science; MIT

EDUCATION

-
- Ph.D. Candidate in Planetary Science** [ongoing]
Department of Earth, Atmospheric, and Planetary Science; **MIT**
 - B.S. Honors in Geophysics (with specialization in Space Physics)** [June 2018]
Department of Earth, Planetary, and Space Physics; **UCLA**
 - B.S. Honors Thesis: *Stopping a Charging Elephant: The Formation and Fate of Interplanetary Magnetic Field Enhancements* [Advisor: C. T. Russell]

ACADEMIC AWARDS

-
- 2020 National Science Foundation (NSF) Graduate Research Fellowship
 - 2020 Dean of Science Fellow at MIT
 - 2018 Earth, Planetary, and Space Sciences UCLA Valedictorian
 - 2018 Eugene B. Waggoner Undergraduate Scholarship

PUBLICATIONS

***h*-index: 3 | *i10*-index: 3 | CITATIONS: 172 (GOOGLE SCHOLAR)**

Refereed Publications:

3. Pinchuk, P., Margot, J., Greenberg, A. H., Ayalde, T., Bloxham, C., Boddu, A., Gerardo, L., Cliffe, M., Gallagher, S., Hart, K., Hesford, B., Mizrahi, I., Pike, R., Rodger, D., Sayki, B., **Schneck, U. G.**, Tan, A., Xiao, Y., and Lynch, R. S., **2019**. “A Search for Technosignatures from TRAPPIST-1, LHS 1140, and 10 Planetary Systems in the Kepler Field with the Green Bank Telescope at 1.15–1.73 GHz” *The Astronomical Journal*. 157 (122).
2. Howard, T. A., DeForest, C. E., **Schneck, U. G.**, and Alden, C. R., **2017**. “Challenging Some Contemporary Views of Coronal Mass Ejections. II: The Case for Absent Filaments” *The Astrophysical Journal*. 834 (86)
1. Yu, H. C., Sloan, J.L., Scharer, G., Brebner, A., Quintana, A.M., Achilly, N.P., Manoli, I., Coughlin, C.R., Geiger, E.A., **Schneck, U. G.**, Watkins, D., Suormala, T., Van Hove, J.L., Fowler, B., Baumgartner, M.R., Rosenblatt, D.S., Venditti, C.P., and Shaikh, T.H., **2013**. An X-Linked Cobalamin Disorder Caused by Mutations in Transcriptional Coregulator HCFC1. *The American Journal of Human Genetics*. 93 (3): 506-514

SCHNECK CURRICULUM VITAE

OUTREACH

MinSight: A pet model for the Heat Flow and Physical Properties Probe (HP3) instrument on the InSight mission to Mars for classroom demonstrations (Advisor: J. Aurnou)

-Taught in UCLA's EPSS (171) Advanced Computing in Geosciences 2019/2020

PRESENTATIONS

4. "New Insights on Flux Transfer at the Magnetopause", UCLA, Department of Earth, Planetary, and Space Sciences, Los Angeles, CA; *EPSS Space Physics Seminar*, 2020

3. "Something New Under the Sun (or at least in the solar wind): The Effect of Dust on the IMF and Earth", UCLA, Department of Earth, Planetary, and Space Sciences, Los Angeles, CA; *EPSS Space Physics Seminar*, 2019

2. "Testing the urKREEP Hypothesis with Eucrites", UCLA, Department of Earth, Planetary, and Space Sciences, Los Angeles, CA; *9th Annual Los Angeles Basin Earth and Planetary Sciences Student Research Symposium*, 2016

1. "Eruptive Prominences Evolution at Great Distances from the Sun", Laboratory for Atmospheric and Space Physics (LASP), Boulder, CO; *LASP REU*, 2015

PROFESSIONAL APPOINTMENTS

8. MIT, Department of Earth, Atmospheric, and Planetary Science, Cambridge, MA

-PhD Candidate: *Sept. 2020-Present*

-Advisor: J. Taylor Perron

7. UCLA, Department of Earth, Planetary, and Space Sciences, Los Angeles, CA

-Research Associate I: *Sept. 2018-Sept. 2020*

-Advisor: Christopher T. Russell

6. NASA Johnson Space Center, Jacobs Technology, Houston, TX

-Planetary Geochemistry Intern: *June 2017-Sept. 2017*

-Advisor: Jeremy W. Boyce

5. UCLA, Department of Earth, Planetary, and Space Sciences, Los Angeles, CA

-Student Researcher: *Sept. 2016-Dec.2017*

-Advisor: John Wasson

4. UCLA, Department of Earth, Planetary, and Space Sciences, Los Angeles, CA

-Undergraduate Researcher (*Sept. 2015-May 2016*)

-Advisor: Jeremy W. Boyce

3. Southwest Research Institute (Solar Physics), Boulder, CO

-Student Researcher: *June 2016-Sept. 2016*

-Advisor: Timothy A. Howard

2. Southwest Research Institute (Solar Physics), Boulder, CO

-Undergraduate Researcher (REU): *June 2015-Sept 2015*

-Advisor: Timothy A. Howard

SCHNECK CURRICULUM VITAE

1. **University of Colorado, Anschutz Medical, Department of Human Genetics, Denver, CO**
-Researcher Assistant (May 2012-Sept.2012)
-Advisor: Tamim H. Shaikh

LETTERS OF RECCOMENDATION AVAILABLE UPON REQUEST