Andrew C. Turner

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Education

Ph.D., Earth & Planetary Science, University of California, Berkeley — 2017 - Present

B.S., Chemistry, University of Florida — 2013 - 2017

Research

Graduate Researcher, Geochemistry — 2017 - Present
Department of Earth and Planetary Science
UC Berkeley, Lawrence Berkeley Nat'l Lab, Berkeley Geochronology Center
Advisers: Daniel Stolper and David Shuster

NSF iREU Researcher, Physical Chemistry — 2016
MONARIS Laboratory, Department of Chemistry
Sorbonne University, Paris, France
Adviser: Pierre Asselin

Undergraduate Researcher, Polymer Chemistry — 2013 - 2017
Butler Polymer Research Laboratory, Department of Chemistry
University of Florida, Gainesville, FL
Adviser: Brent Sumerlin

Teaching

Graduate Student Instructor — Fall 2018
EPS 50, *The Planet Earth*
University of California, Berkeley
Instructor: Michael Manga

Reader (Grader) — Spring 2018, Spring 2019
EPS C12, *The Planets*
University of California, Berkeley
Instructors: Raymond Jeanloz and Courtney Dressing

Undergraduate Teaching Assistant Fall 2014 - 2016
CHM 2047L, *Advanced General Chemistry Laboratory*
University of Florida
Instructor: Ben Smith

Honors

Phi Beta Kappa	2017
Sorbonne Mobility Grant	2016
Anderson Scholar with Distinction	2015
University Scholar	2015
Florida Bright Futures Academic Scholar	2013
National Merit Finalist	2013
Michigan Math and Science Scholars Summer Program Presentation Award	2012

Publications

3. Asselin P., **Turner A.C.**, Bruel L., Brenner V., Gaveau M.A., Mons M. (2018). Rovibrational laser jet-cooled spectroscopy of SF_6-rare gas complexes in the v_3 region of SF_6. *Physical Chemistry Chemical Physics*, 20, 28105-28113. DOI: 10.1039/C8CP04387F

2. Hill M.R., Guegain E., Tran J., Figg C.A., **Turner A.C.**, Nicolas J., Sumerlin B.S. (2017). Radical Ring-Opening Copolymerization of Cyclic Ketene Acetals and Maleimides Affords Homogeneous Incorporation of Degradable Units. *ACS Macro Letters*, 6, 1071-1077. DOI: 10.1021/acsmacrolett.7b00572

1. Asselin P., Potapov A., **Turner A.C.**, Boudon V., Bruel L., Gaveau M.A., Mons M. (2017). Conformational landscape of the SF_6 dimer as revealed by high resolution infrared spectroscopy and complexation with rare gas atoms. *Physical Chemistry Chemical Physics*, 19, 17224-17232. DOI: 10.1039/C7CP02529G

Presentations

3. **Turner A.C.**, Boudon V., Bruel L., Gaveau M.A., Mons M., Potapov A., Asselin P., "Jet-cooled high resolution infrared spectroscopy of small van der Waals SF_6 clusters," at the *253rd ACS National Meeting and Exposition*, San Francisco, CA, USA, April 2017, Physical Chemistry Poster Session

2. Hill M.R., **Turner A.C.**, Sumerlin B.S., "Hyperbranched Polypeptides *via* Self-Condensing Ring-Opening Polymerization of N-Carboxyanhydrides," at the *92nd Florida Annual Meeting and Exposition*, Palm Harbor, FL, USA, May 2016, Poster Session

1. Hill M.R., **Turner A.C.**, Sumerlin B.S., "Hyperbranched Polypeptides *via* Self-Condensing Ring-Opening Polymerization of N-Carboxyanhydrides," at the *17th Annual University of Florida Undergraduate Research Symposium*, Gainesville, FL, USA, March 2016, Poster Session