

Naomi A. Becker
12 Kings Crossing Ct. Apt I
Cockeysville, MD 21030
(919)-353-6255
nbecker7@jhu.edu

EDUCATION

<i>PhD Geological Science</i> Johns Hopkins University	2023 <i>(anticipated)</i>
<i>BS with Honors in Geological Science</i> University of North Carolina at Chapel Hill	2018
<i>Associate of Science</i> Durham Technical Community College	2016

GRANTS & SCHOLARSHIPS

<i>Catalyst Grant (12 months of funding as Graduate Student Researcher on grant awarded to Daniel Viète)</i> Johns Hopkins University Rates and mechanisms for subduction initiation in the Iapetus Ocean: insights from Appalachian–Caledonian mafic–ultramafic complexes	2019
<i>J. Brien Key Fund (\$500)</i> Johns Hopkins University, Krieger School of Arts and Sciences	2019
<i>Summer Research Field Grant (\$4000)</i> Johns Hopkins University, Department of Earth & Planetary Sciences	2019
<i>Exploration and Field Research Grant (\$2740)</i> Explorer's Club Washington Group Processes and timescales for the development of a convergent plate margin: an investigation into the origin of oceanic rocks along the Appalachians	2019
<i>Kenneth N. Weaver Student Travel Award (\$100)</i> Northeastern Section of the Geological Society of America	2019
<i>Anadarko Field Camp Scholarship (\$200)</i> 16 th Annual Anadarko Student Research Symposium, University of North Carolina at Chapel Hill, Department of Geological Sciences	2018

AWARDS & HONORS

<i>Chancellor's Op White Award for Outstanding Senior in Geology</i> University of North Carolina at Chapel Hill	2018
<i>Anadarko Award</i> 16 th Annual Anadarko Student Research Symposium, University of North Carolina at Chapel Hill, Department of Geological Sciences	2018
<i>President's List</i> Durham Technical Community College	2016

Department Faculty Recognition Award 2016
Durham Technical Community College

Best Documentation 2016
NASA and NC Space Grant High Altitude Balloon Competition

PUBLICATIONS & PRESENTATIONS

Becker, Naomi A., Nelson, Wendy R., Burgess, Jerry L., Viète, Daniel R., 2019, 2019
Supra-subduction zone ophiolites along the Appalachian–Caledonian orogenic belt:
Geological Society of America Abstracts with Programs, doi:10.1130/abs/2019NE-328240.

Becker, Naomi, 2019, Processes and timescales for the development of a convergent 2019
plate margin: an investigation into the origin of oceanic rocks along the Appalachian–
Caledonian mountain range, *in* Proceedings Johns Hopkins University, Department of
Earth & Planetary Sciences Journal Club, Baltimore, Maryland, USA.

Becker, Naomi, 2018, Measuring inaccessible structural features from virtual 2018
models using PhotoScan, CloudCompare, and a drone-mounted camera, *in* Proceedings
Anadarko Student Research Symposium, 16th, Chapel Hill: North Carolina, USA.

Becker, Naomi, 2018, Measuring inaccessible structural features from virtual 2018
models using PhotoScan, CloudCompare, and a drone-mounted camera: Senior
Honors Thesis, https://cdr.lib.unc.edu/concern/honors_theses/cc08hm066?locale=en.

PROFESSIONAL EXPERIENCE

Academic Positions

Graduate Research Assistant 2019–present
Viète Lab, Johns Hopkins University, Department of Earth & Planetary Sciences
Principal Investigator: Daniel Viète
Investigating timing and timescales of subduction initiation in the Iapetus Ocean utilizing
petrologic analysis, major and trace-element analysis, and geochronological studies of oceanic
lithosphere. Trace-element analysis utilizing lithium tetraborate fluxing of rock samples for
solution ICP-MS. Heavy liquid mineral separation for zircon and baddeleyite for use in LA-ICP-
MS geochronological work. Fieldwork in Maryland, Quebec, Vermont, Georgia, Scotland, and
Norway.

Undergraduate Assistant 2017–2018
Experimental Petrology Lab, UNC-CH
Principal Investigator: Allen Glazner
Mapped and measured dikes in virtual 3-D model of Half Dome, Yosemite National Park, CA.
Created high-definition gigapan images of thin sections for use in online database.

Undergraduate Assistant 2017–2018
McKee Lab, Department of Marine Sciences, UNC-CH
Principal Investigator: Brent McKee
Recorded bulk sediment input into Jordan Lake Reservoir, Chapel Hill, NC. Involved regular
field work sampling from local rivers as well as sediment core collections and water sample
filtrations. Investigated the sediment input composition and sedimentation rate which involved
hotplate digestions and use of alpha and gamma spectroscopy.

Other Positions

<i>Customer Service Manager</i> University of North Carolina at Chapel Hill Student Stores Supervisor: Ron Wood (919) 259-3944	2016
<i>Project Coordinator</i> Storr Office Environments Supervisor: Anna DeShazier (919) 313-3846	2014–2015
<i>Store Manager</i> Starbucks Coffee Company Supervisor: Paulette Degoe (303) 946-4087	2004–2013

PROFESSIONAL AFFILIATIONS

<i>Graduate Women in Science</i>	2019–present
<i>American Geophysical Union</i>	2018–present
<i>Geological Society of America</i>	2018–present

VOLUNTEER EXPERIENCE

<i>Volunteer, Baltimore Humane Society, Reisterstown, Maryland</i>	2019–present
<i>Volunteer, Rural Shelter Transports, NC, SC, & VA</i>	2016
<i>Volunteer, S.A.F.E. Haven for Cats, Raleigh, North Carolina</i>	2014–2015
<i>Volunteer, MaxFund No-Kill Animal Shelter, Denver, Colorado</i>	2011–2013