

CLAY FRANKLIN CAMPBELL

clayc@arizona.edu – (520) 272-8973 – 4880 North Hidden Valley Road, Tucson, AZ 85750

EDUCATION

The University of Kansas, Lawrence, KS Ph.D. Geology	2022
The University of Kansas, Lawrence, KS M.S. Geology	2017
The University of Arizona, Tucson, AZ B.S. Geology	2013

PROFESSIONAL EXPERIENCE

2022–	Postdoctoral Research Associate I, The University of Arizona
2017–2021	The Madison and Lila Self Graduate Fellowship; The University of Kansas
2015–2017	GRA/TA; The University of Kansas
2014–2015	The University of Arizona LaserChron Geochronology Center Research Assistant
2012–2015	Tibetan Continental Dynamics Project; The University of Arizona
2010–2015	Youth Soccer Coach; The Tucson Soccer Academy
2007–2013	Collegiate Soccer; The University of Hawaii Hilo, Pima Community College, The University of Nevada Las Vegas, The University of Arizona

GRANTS & FELLOWSHIPS

2017–2021	The University of Kansas Madison & Lila Self Graduate Fellowship	\$180,000
2017–2018	The University of Kansas Research Excellence Initiative	\$1,500

HONORS & AWARDS

2023	Inaugural Gerhard award for excellence in field geology
2021	KU GHAWKER First place; Graduate Poster
2017	KU GHAWKER Finalist; Graduate Poster
2017	KU Madison and Lila Self Graduate Fellowship
2016	KU Graduate Student Merit Raise
2015	KU GHAWKER Finalist; Undergraduate Poster
2015	UA GEODAZE; Honorable Mention
2015	UA GEODAZE; Student Mentor
2014	UA Continental Dynamics Symposium Talk
2007	Marines Leader of the Month

PUBLICATIONS

Campbell, C. F., Mueller, M. A., Taylor, M. H., Ocakoğlu, F., Möller, A., Métais, G., Coster, P. M. C., Beard, K. C., & Licht, A. (*in press*). The Geodynamic Implications of Passive Margin Subduction in Northwest Turkey. *Geochemistry, Geophysics, Geosystems*. Doi: 10.1029/2022GC010481

WORKS IN REVIEW

Campbell, C. F., Taylor, M. H., Mueller, M. A., Licht, A. Ocakoğlu, F., & Beard, K. C. "The Cenozoic Record of Plateau Development in Central Anatolia"

WORKS IN PREPARATION

Campbell, C. F., Taylor, M. H., Bigdoli, T., Ocakoğlu, F., Mueller, M. A., Licht, A., & Beard, K. C. "Low temperature cooling history of the Izmir-Ankara-Erzincan suture zone in Northwest Turkey.

PEER-REVIEWED PUBLICATIONS

- 2024 Mueller, M. A., Licht, A., Möller, A., Condit, C. B., Fosdick, J. C., Ocakoğlu, F., & Campbell, C. (2023). An expanded workflow for detrital rutile provenance studies: An application from the Neotethys Orogen in Anatolia. *EGUsphere*, 2023, 1-44. <https://doi.org/10.5194/egusphere-2023-1293>, 2023.
- 2023 **Campbell, C. F.**, Mueller, M. A., Taylor, M. H., Ocakoğlu, F., Möller, A., Métais, G., Coster, P. M. C., Beard, K. C., & Licht, A. The Geodynamic Implications of Passive Margin Subduction in Northwest Turkey. *Geochemistry, Geophysics, Geosystems*. Doi: 10.1029/2022GC010481
- 2022 Licht, A., Métais, G., Coster, P., Ibilioğlu, D., Ocakoğlu, F., Westerweel, J., Mueller, M., **Campbell, C.**, Mattingly, S., Wood, M.C. and Beard, K.C., 2022. Balkanatolia: The insular mammalian biogeographic province that partly paved the way to the Grande Coupure. *Earth-Science Reviews*, p.103929.
- 2022 Mueller, M. A., Licht, A., **Campbell, C. F.**, Ocakoğlu, F., Akşit, G. G., Métais, G., Coster, P. M. C., Beard, K. C., & Taylor, M. H. (2022). Sedimentary provenance from the evolving forearc-to-foreland Central Sakarya Basin, western Anatolia reveals multi-phase intercontinental collision. *Geochemistry, Geophysics, Geosystems*.
- 2019 Mueller, M. A., Licht, A., **Campbell, C.**, Ocakoğlu, F., Taylor, M. H., Burch, L. "Collision chronology along the İzmir-Ankara-Erzincan suture zone: Insights from the Sarıcakaya Basin, western Anatolia." *Tectonics*.
- 2019 Xu Z., Shi W., Zhai G., **Campbell C.**, Zhang X., Peng N., "A rock physics model for characterizing the total porosity and velocity of shale: A case study in the Fuling area, China." *Marine and Petroleum Geology*.
- 2018 Ocakoğlu F., Hakyemez A., Açıkalın S., Altiner S., Büyükmeriç Y., Licht A., Demircan H., Şafak Ü., Yıldız A., Yılmaz İ., Wagreeich M., **Campbell C.**, "Chronology of subduction and collision along the İzmir-Ankara suture in Western Anatolia: records from the Central Sakarya Basin." *International Geology Review*.
- 2016 Licht A., Coster P., Ocakoğlu F., **Campbell C.**, Métais G., Mulch A., Taylor M., Kappelman J., Beard K. Christopher. "Tectono-stratigraphy of the Orhaniye Basin, Turkey: Implications for collision chronology and Paleogene biogeography of central Anatolia." *Journal of Asian Earth Sciences*.
- 2016 Laskowski A., Kapp P., Ding L., **Campbell C.**, Reiners P., Liu X. "Tectonic Evolution of the Yarlung Suture Zone, Lopu Range Region, Southern Tibet." *Tectonics*.

PROFESSIONAL MEETINGS

- 2023 **Campbell, C.**, Taylor, M., Mueller, M., Licht, A., Ocakoğlu, F., Gehrels, G., Beard, K.C. "Hypothesized drivers of Proto-Plateau Development in Central Anatolia." AGU.
- 2023 Mueller, M., Licht, A., Moller, A., Condit, C., Fosdick, J., Ocakoğlu, F., **Campbell, C.** "Uncovering Hidden Provenance Signals Using Detrital Rutile: New Perspectives on Data Workflows." GSA.
- 2023 **Campbell, C.**, Taylor, M., Mueller, M., Licht, A., Ocakoğlu, F., Gehrels, G., Beard, K.C. "Drip Tectonics and the Drivers of Proto-Plateau Development in Collisional Orogens – insights from Central Anatolia." GSA.
- 2022
- 2022

- Campbell, C.**, Taylor, M., Mueller, M., Licht, A., Ocakoğlu, F., Beard, K.C. "Drip Tectonics and the Geodynamic Drivers of Proto-Plateau Development in Central Anatolia." The 75th Geological Congress of Turkey.
- 2021 **Campbell, C.**, Taylor, M., Mueller, M., Licht, A., Ocakoğlu, F., Beard, K.C. "The drivers of small-scale drip tectonics and proto-plateau development within the Tethyan orogen." The 35th Himalaya-Karakorum- Tibet Workshop.
- 2021 Mueller M., Licht, M. Mueller., A., Moller, A., Condit, C., Beard, K. C., **Campbell, C.**, Coster, P., Fosdick, J., Métais, G., Ocakoglu, F., Shekut, S., & Taylor, M. H., "The utility of detrital rutile U-Pb and trace elements in accretionary orogenic systems". GSA.
- 2021 **Campbell, C.**, Taylor, M., Mueller, M., Licht, A., Ocakoğlu, F., Möller, M., Beard, K.C. "The Surface Response to Cenozoic Drip Tectonics in Central Anatolia." AGU
- 2021 **Campbell, C.**, Taylor, M., Mueller, M., Licht, A., Ocakoğlu, F., Möller, M., Beard, K.C. "The Physiographic Response to Cenozoic Drip Tectonics in Central Anatolia." GSA.
- 2021 Mueller, M., Licht, A., **Campbell, C.**, Ocakoğlu, F., Beard, K.C., Métais, G., Coster, P., Taylor, M. "Forearc and Foreland Basin Evidence for Protracted Late Cretaceous-Eocene Collision in Western Anatolia." GSA.
- 2021 Mongovin, D. D., Taylor, M. H., Bemis, S.P., Hoxey, A. K. R., **Campbell, C.** "Documentation of Quaternary Dextral Activity on the Tumalo Fault, Sisters Fault Zone, Central Oregon." GSA.
- 2021 Mueller, M., Licht, A., **Campbell, C.**, Ocakoğlu, F., Aksit, G., Métais, G., Coster, P., Beard, K.C., Taylor, M., 2021. "Closing the Neotethys Ocean in western Anatolia: Insights from forearc and foreland sediment basin records." EGU.
- 2020 **Campbell, Clay.**, Taylor, Michael, H., Ocakoglu, Faruk., Licht, Alexis., Mueller, Megan., Moller, Andreas., Ocakoglu, Celik., Asik, Cansu "Stepwise North to South Growth of the Cenozoic Central Anatolian Plateau (Turkey)." AGU.
- 2020 **Campbell, Clay.**, Taylor, Michael, H., Mueller, Megan., Licht, Alexis., Ocakoglu, Faruk., Moller, Andreas "Subducting Gondwanan-Affinity Passive Margin Triggered Late Cretaceous Back-Arc Extension of the Black Sea." GSA.
- 2020 Megan, A. Mueller., Alexis, Licht., Faruk, Ocakoğlu., **Clay, F. Campbell.**, Gui, G. Akşit., Kyle, Lowery., Michael, H. Taylor., Grégoire, Métais., Pauline, M. C. Coster., K. Christopher, Beard. "Multi-phase continental collision in western Anatolia." AGU.
- 2020 Mueller, M., Licht, A., Ocakoğlu, F., **Campbell, C.**, Kaya, M., Kurtoğlu, B., Akşit, G., Taylor, M., Métais, G., Coster, P., and Beard, K. C. "Western Anatolian Record of Subduction Initiation through Collision." EGU.
- 2019 **Campbell, Clay**, Taylor, Michael, H, Ocakoglu, Faruk, Licht, Alexis, Mueller, Megan, Moller, Andreas. "Structural and Sedimentological Evolution of the Cankiri Basin: Implications for Early-Middle Miocene Plateau Development During Protracted Paleogene Intercontinental Collision in Central Anatolia (Turkey)." AGU.
- 2019 **Campbell, Clay**, Taylor, Michael H., Ocakoglu, F., Licht, Alexis, Mueller, Megan A., & Moller, Andreas. "Did the Central Anatolian Cankiri Basin Form as a Result of An Oligo-Miocene Rayleigh-Taylor Instability? Implications for Early Miocene Plateau Development in Central Anatolia." GSA.
- 2019 **Campbell, Clay, F.**, Taylor, Michael, H, Ocakoglu, Faruk, Licht, Alexis, Mueller, Megan, A, Moller, Andreas, & Beard, Kenneth, C. "Did the Central Anatolian Cankiri Basin form as a Result of an Oligocene-Miocene Rayleigh-Taylor Instability?" The 34th Himalaya-Karakorum- Tibet Workshop.
- 2018 M. Mueller, A. Licht, **C. Campbell, F.** Ocakoğlu, M. Taylor, L. Burch, P. Coster, T. Ugrai, M. Kaya, B. Kurtoglu, G. Métais, and K.C. Beard. "Post-Collisional Deformation of the Anatolian Orogeny, Turkey: Insights from Geochronology and Sedimentology of the Saricakaya Basin, Western Anatolia." AGU.

- 2017 **Campbell C.**, Taylor M., Licht A., Mueller M., Möller A., McLean N., Ocakoğlu F., Coster P., Métais G., Beard K. Christopher. "Tectonic Evolution of the Izmir-Ankara Suture Zone in NW Turkey using zircon U-Pb Geochronology and Lu-Hf Isotopic Tracers." GSA.
- 2017 **Campbell C.**, Taylor M., Licht A., Mueller M., Möller A., McLean N., Ocakoğlu F., Coster P., Métais G., Beard K. Christopher. "Tectonic Evolution of the Izmir-Ankara Suture Zone in NW Turkey using zircon U-Pb Geochronology and Lu-Hf Isotopic Tracers." AGU.
- 2017 Laskowski A., Kapp P., Taylor M., **Campbell C.** "Duplexing in Southern Tibet and Birth of the Yarlung River: A Structural Model for Development of Oligocene–Miocene Relief in the Gangdese Mountains." GSA.
- 2017 Wang Y., Wang K., **Campbell C.** "N2-Rich Fluid in the Vein-Type Yangjingou Scheelite Deposit, Yanbian, NE China." GSA

NOTABLE FIELD EXPERIENCE

- 2023 The Konya-Tuzgölü Depression, south-central Turkey; The University of Arizona
- 2022 Western Nepal Fault System, Nepal; The University of Kansas
- 2022 High Himalaya Transect, Nepal; The University of Kansas
- 2022 Topics in Field Geology; Sedimentary Basins of Spain
- 2021 The Grand Canyon, USA; The University of Kansas
- 2018–2019 The Central Anatolian Plateau, Turkey; The University of Kansas
- 2019 The Grand Canyon, USA; The University of Kansas
- 2018 The San Andreas Fault, USA; The University of Kansas
- 2017–2018 The Central Andean Puna Plateau, Argentina; The University of Kansas
- 2017–2018 Sakarya River Valley, Turkey; The University of Kansas
- 2014 Tibetan Plateau, Autonomous Region of China; The University of Arizona
- 2014 Yunnan, China; The University of Arizona
- 2013 Basin and Range, USA; The University of Arizona
- 2012 Santa Catalina and Rincon Metamorphic Core Complexes; The University of Arizona

GRADUATE TEACHING RECORD

- 2016–2018 Field Camp; The University of Kansas
- 2016 Structural Geology; The University of Kansas
- 2015 Geomorphology; The University of Kansas
- 2015 Environmental Geology; The University of Kansas

MENTORING RECORD

- 2023 **Alexa Soto**; Clouds to Core REU; The University of Arizona
From Emplacement to Deformation: What is the Significance of the Wilderness Leucogranite in the Santa Catalina-Rincon Metamorphic Core Complex?
- 2023 **Alexus Wuertemburg**; Clouds to Core REU; The University of Arizona
U-Pb Geochronology of the Oracle Granite
- 2021 **Patrick Ronnau**; The University of Kansas
Provenance of Volcanic Tephra within the Çankırı Basin
- 2018 **Jaquelin Lee**; The University of Kansas
Arc Migration in Western Anatolia
- 2014 **Stephen Sobanski**; The University of Arizona
Tibetan Leucosome U-Pb Geochronology

INDEPENDENT STUDIES

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| 2012 | Petroleum Geology; The Oklahoma Geologic Survey (Jock Campbell PhD) |
| 2011 | Economic Geology; The University of Arizona (Spencer Titley PhD) |

VOLUNTEER WORK

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| 2024 | The University of Arizona Geodaze Student Symposium Judge |
| 2023 | The University of Arizona Geodaze Student Symposium Judge |
| 2023 | English Editing [Ocakoglu et al., 2022; The Holocene] |
| 2023 | English Editing [Liu et al., 2023; Gondwana Research] |
| 2022 | KU Geology Associates Alumni Board Research Presentation |
| | English Editing [Ocakoglu et al., 2022; Paleogeography, Paleoclimatology, Paleoecology] |
| 2020 | English Editing [Ocakoglu et al., 2020; Geomorphology] |
| | Association for Women Geoscientists Outreach Coordinator |
| | KU Isotope Geochemistry Laboratory Tour; Lawrence Highschool |
| 2019 | KU Three Minute Thesis |
| | Association for Women Geoscientists Elementary School Outreach |
| | Lawrence Unchained, Local Bicycle Repair and Donation |
| 2018 | English Editing [Wang et al., 2018; Nature Scientific Reports] |
| 2017 | KGS Eagle days; Freestate Highschool |
| | KU BIG EVENT |
| | KU Mentorship Program, Mentor |
| 2016 | KU summer BBQ Organizer |
| | KU Geology Club, Hydrology Field Trip Graduate Student Liason |
| | KU Geology Club Co-Founder and Secretary |
| 2015 | KU Mentorship Program, Mentor |
| | KU Geology Club Revitalization |
| 2011–2015 | Tucson Gem and Mineral Show Youth Symposium, Volunteer |
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