

Anne-Sofie C. Ahm, PhD

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EDUCATION and TRAINING

Degree	Institution	Year obtained
PhD	University of Copenhagen	2016
MSc	University of Copenhagen	2014
BSc	University of Copenhagen	2011

Postdoctoral experience

Postdoctoral Fellow, Princeton University 2017-2022

ACADEMIC APPOINTMENTS

Period	Rank	Institution
April 2022 – present	Assistant Professor	University of Victoria
2019 – 2022	Adjunct Assistant Professor	University of Victoria

MAJOR FIELD(S) of SCHOLARLY or PROFESSIONAL INTEREST

Isotope geochemistry: Using mass spectrometry to measure metal isotope systems such as calcium, magnesium, strontium, and lithium.

Paleo seawater chemistry: Using geochemical proxies to reconstruct the evolution of seawater chemistry through Earth history.

Carbonate diagenesis: Using numerical models to better understand the change in the chemistry of sediments as they are transformed into rocks.

Long-term carbon cycling: Understanding and reconstructing what drives the changes in atmospheric CO₂ over geological time-scales.

Geobiology: Understanding how changes in past environmental conditions have shaped the evolution of life on Earth.

RESEARCH GRANTS and FELLOWSHIPS

All awards listed in CAD

Total external funding awarded to Ahm since joining UVic in 2022: \$1,586,675

Agency	Award and title	Grant holders (*indicate PI)	Time period	Award total
NSERC	Alliance International: Middle Age Earth, ocean chemistry and evolution in the Boring Billion	Ahm	2024-2027	\$294,849
UVic	Alliance Project Support	Ahm	2024-2027	\$10,000
ARC ¹	Australian Research Council, Discovery Pro- ject	Dosseto*, Farkas, Ahm, Maloney, Halverson	2024-2027	\$424,552 (\$2,635 to UVic)
CFI	Infrastructure operating funds	Ahm* and Dyer*	2023-2028	\$76,000
BCKDF	CFI matching	Ahm* and Dyer*	2023	\$380,000
CFI	JELF	Ahm* and Dyer*	2022	\$380,000
NSERC	RTI	Ahm*, Coogan, Cullen	2022	\$120,691
NSERC	Discovery: The emergence of oxy- genic photosynthesis through the lens of car- bonate diagenesis	Ahm	2022-2027	\$150,000
NSERC	Discovery Launch	Ahm	2022-2023	\$12,500
UVic	Start-up	Ahm	2022-2027	\$160,000
Simons Foundation	SCOL postdoctoral fel- lowship	Ahm	2019-2022	\$368,880
Carlsberg Foundation	Internationalisation post- doctoral fellowship	Ahm	2017-2019	\$136,460

¹ARC Discovery project awarded to University of Wollongong. Matching funds to me (UVic) from NSERC alliance international collaboration.

PUBLICATIONS and PRESENTATIONS

Indicated HQP at UVic

Assignment of authorship: In my field, the convention for authorship on papers with more than three authors is that the first and corresponding author is the leading HQP and the last author is the senior leading author. In-between, authors are ordered by contribution. For papers with three or less authors, authorship is generally ordered by contribution.

a. Articles published in refereed journals

Total publications: 26

Total citations: 1258

h-index: 16

Ahm, Anne-Sofie C; Fralick, Philip; Higgins, John. Calcium isotope constraints on Mesoarchean seawater. *under review*, <https://doi.org/10.31223/X5SB1C>

#Ruiz, Daniel G., Goldblatt, Colin, **Ahm, Anne-Sofie C**. Chempath 1.0: An open-source pathway analysis program for photochemical models. *In review*. Geoscientific Model Development.

Matthew D. Nadeau; Jack G Murphy; Cedric J Hagen; Ziman Wu; Alliya A Akhtar; **Anne-Sofie C. Ahm**; Daniel A. Stolper; Adam C Maloof; John A Higgins. Disentangling global geochemical change from local diagenetic alteration in shallow-water marine carbonates: A case study from OAE1a. *In review*, Earth and Planetary Science Letters.

Lonsdale, M., **Ahm, Anne-Sofie C.**, Nelson, L.L., Thompson, J.W., Higgins, J.A., Smith, E.F., Changing seawater carbon isotope compositions at the Ediacaran-Cambrian boundary preserved due to early marine diagenesis in Southwestern Laurentia. *In review*, Geochimica et Cosmochimica Acta.

Akhtar, A., **Ahm, Anne-Sofie C.**, Higgins, J.A., Geochemical fingerprints of early diagenesis in shallow-water marine carbonates: insights from paired $\delta^{44/40}\text{Ca}$ and $\delta^{26}\text{Mg}$ values. *2024*. Geochim. Cosmo. Acta. 383, 57-69.

#Ruiz, Daniel G., Goldblatt, Colin, **Ahm, Anne-Sofie C**. Climate variability leads to multiple oxygenation episodes across the Great Oxidation Event. *2024*. Geophysical Research Letters V. 51 (3).

#Edmondson, S., Matthew D. Nadeau; Andrew C. Turner; Ziman Wu; Emily C. Geyman; **Anne-Sofie C. Ahm**; Blake Dyer; Sergey Oleyunik; David McGee; Daniel A. Stolper; John A. Higgins; Adam C. Maloof. *2024*. Shallow carbonate geochemistry in the Bahamas since the last interglacial period. Earth and Planetary Letters 627, 118566

Ostrander, Chadlin M., Bjerrum, Christian J., **Ahm, Anne-Sofie C. Ahm**, Stenger, Simon R., Butterfield, Nicholas J., Grotzinger, John P., El-Ghali, Mohamed, Harthi, Abdul R., Al-Rawahi, Zuwaina, Nielsen, Sune G. Widespread marine anoxia during generation of the Ediacaran Shuram carbon isotope excursion. *2023*, Geobiology.

- #Ruiz, Daniel G., Goldblatt, Colin, **Ahm, Anne-Sofie C.** Climate shapes the oxygenation of Earth's atmosphere across the Great Oxidation Event. 2023, Earth and Planetary Letters 607
- Geyman, Emily C; Wu, Ziman; Nadeau, Matthew D; #Edmonson, Stacey; Turner, Andrew; Purkis, Sam J; Howes, Bolton; Dyer, Blake; **Ahm, Anne-Sofie C**; Yao, Nan, Maloof, A. 2022. The origin of carbonate mud and implications for global climate. PNAS 119, 43.
- Murphy, JG; **Ahm, Anne-Sofie C**; Swart, Peter K; Higgins, John A. 2022. Reconstructing the lithium isotopic composition ($\delta^7\text{Li}$) of seawater from shallow marine carbonate sediments. Geochim. Cosmo. Acta. 337, 140-154.
- Bryant, Roger N; Present, Theodore M; **Ahm, Anne-Sofie C**; McClelland, Harry-Luke O; Rationale, Dan; Blättler, Clara L. 2022. Early diagenetic constraints on Permian seawater chemistry from the Capitan Reef. Geochim. Cosmo. Acta. 328.
- Ahm, Anne-Sofie**; Husson, Jon, 2022. Local and global controls on carbon isotope chemostratigraphy. Elements in Geochemical Tracers in Earth System Science, Cambridge University Press.
- Busch, James F; Hodgins, Eben B; **Ahm, Anne-Sofie C**; Husson, Jon M; Macdonald, Francis A; Bergmann, Kristin D; Higgins, John A; Strauss, Justin V, 2022. Global and local drivers of the Ediacaran Shuram carbon isotope excursion. Earth and Planetary Letters 570, 117368.
- Farrell, Úna C; Samawi, Rifaat; Anjanappa, Savitha; Klykov, Roman; Adeboye, Oyeleye O; Agic, Heda; **Ahm, Anne-Sofie C**; Boag, Thomas H; Bowyer, Fred; Brocks, Jochen J. 2021. The sedimentary geochemistry and paleoenvironments project. Geobiology 19, 545-556
- Nelson, Lyle L; **Ahm, Anne-Sofie C**; Macdonald, Francis A; Higgins, John A; Smith, Emily F. 2021. Fingerprinting local controls on the Neoproterozoic carbon cycle with the isotopic record of Cryogenian carbonates in the Panamint Range, California. Earth and Planetary Letters 566, 116956
- Ahm, Anne-Sofie C**; Bjerrum, Christian J; Hoffman, Paul F; Macdonald, Francis A; Maloof, Adam C; Rose, Catherine V; Strauss, Justin V; Higgins, John A. 2021. The Ca and Mg isotope record of the Cryogenian Trezona carbon isotope excursion. Earth and Planetary Letters 568, 117002.
- Crockford, Peter W; Kunzmann, Marcus; Blättler, Clara L; Kalderon-Asael, Boriana; Murphy, Jack G; **Ahm, Anne-Sofie**; Sharoni, Shlomit; Halverson, Galen P; Planavsky, Noah J; Halevy, Itay, 2021. Reconstructing Neoproterozoic seawater chemistry from early diagenetic dolomite. Geology 49, 442-446.
- Bold, Uyanga; **Ahm, Anne-Sofie Crüger**; Schrag, Daniel P; Higgins, John A; Jamsran, Erdenebayar; Macdonald, Francis A., 2020. Effect of dolomitization on isotopic records from Neoproterozoic carbonates in southwestern Mongolia. Precambrian Research 350, 105902.
- Gussone, Nikolaus; **Ahm, Anne-Sofie C**; Lau, Kimberly V; Bradbury, Harold J, 2020. Calcium isotopes in deep time: potential and limitations. Chemical geology 544, 119601.

- Jones, David S; Brothers, R William; **Ahm, Anne-Sofie Crüger**; Slater, Nicholas; Higgins, John A; Fike, David A, 2020. Sea level, carbonate mineralogy, and early diagenesis controlled $\delta^{13}\text{C}$ records in Upper Ordovician carbonates. *Geology* 48, 194-199.
- Crockford, Peter W; Wing, Boswell A; Paytan, Adina; Hodgskiss, Malcolm SW; Mayfield, Kimberley K; Hayles, Justin A; Middleton, Julia E; **Ahm, Anne-Sofie C**; Johnston, David T; Caxito, Fabricio, 2019. Barium-isotopic constraints on the origin of post-Marinoan barites. *Earth and Planetary Letters* 519, 234-244.
- Ahm, Anne-Sofie C**; Maloof, Adam C; Macdonald, Francis A; Hoffman, Paul F; Bjerrum, Christian J; Bold, Uyanga; Rose, Catherine V; Strauss, Justin V; Higgins, John A, 2019. An early diagenetic deglacial origin for basal Ediacaran “cap dolostones”. *Earth and Planetary Letters* 506, 292-307.
- Ahm, Anne-Sofie C**; Bjerrum, Christian J; Blättler, Clara L; Swart, Peter K; Higgins, John A, 2018. Quantifying early marine diagenesis in shallow-water carbonate sediments. *Geochim. Cosmo. Acta.* 236, 140-159.
- Higgins, John A; Blättler, Clara L; Lundstrom, EA; Santiago-Ramos, DP; Akhtar, AA; **Ahm, AS Crüger**; Bialik, O; Holmden, C; Bradbury, Hal; Murray, ST, 2018. Mineralogy, early marine diagenesis, and the chemistry of shallow-water carbonate sediments. *Geochim. Cosmo. Acta.* 220, 512-534.
- Ahm, Anne-Sofie C**; Bjerrum, Christian J; Hammarlund, Emma U, 2017. Disentangling the record of diagenesis, local redox conditions, and global seawater chemistry during the latest Ordovician glaciation. *Earth and Planetary Letters* 459, 145-156.

b. Refereed conference proceedings

- Lonsdale, M., **Ahm, A-S. C.**, Nelson, L.L., Thompson, J.W., Higgins, J.A., Smith, E.F., Changing seawater carbon isotope compositions at the Ediacaran-Cambrian boundary preserved due to early marine diagenesis in Southwestern Laurentia. GSA conference, Pittsburg, 2023.
- Ahm, A-S. C.**, John A Higgins, Philip W Fralick. Primary evidence for redox cycling in 2.8-billion-year-old microbialites. *Goldschmidt*, 2023. (*Invited talk*)
- Matthew D Nadeau, Jack G Murphy, Cedric Hagen, Ziman Wu, Alliya A Akhtar, **Ahm, A-S. C.**, Daniel A Stolper, Adam C Maloof, John A Higgins. Secular change, early diagenesis, or both? A case study from Cretaceous Ocean Anoxic Event 1a. *Goldschmidt*, 2023.
- Ahm, A-S. C.**, Higgins, J.A., Fralick, P., The Chemistry of Archean Seawater Constrained through the Lens of Carbonate Diagenesis, AGU Fall meeting 2022, Chicago (*Invited talk*)
- #Ruiz, D. G., Goldblatt, C., **Ahm, A-S. C.**, Photochemical modelling of the climate-redox evolution of the Great Oxidation Event: from a Snowball Earth to a Hot-Moist Greenhouse. *Goldschmidt* 2022 (talk by DGR).
- Ahm, A-S.**, Seeing through the lens of carbonate diagenesis – a Ca isotope perspective. TIMOR Magellan Plus meeting, May 19th 2022, Vienna. (*Invited talk*)
- Ostrander, Chadlin M., Bjerrum, Christian J., **Ahm, Anne-Sofie C. Ahm**, Stenger, Simon R., Butterfield, Nicholas J., Grotzinger, John P., El-Ghali, Mohamed, Harthi,

- Abdul R., Al-Rawahi, Zuwaina, Nielsen, Sune G. Widespread marine anoxia during generation of the Ediacaran Shuram excursion. GSA 2022, Denver, Colorado.
- Lonsdale, M., **Ahm, A-S. C.**, Bold, U., Higgins, J. A., Smith, E.F., The BACE across a basin: Investigating intrabasinal variation in the Ediacaran-Cambrian carbonate carbon isotope record of the Zuun-arts formation in Southwestern Mongolia. GSA 2022, Denver, Colorado.
- Akhtar, A., **Ahm, A-S. C.**, Murphy, J.G., Maloof, A., Higgins, J.A., Geochemical fingerprints of early diagenesis in Pleistocene shallow-water marine carbonates. Goldschmidt 2021.
- #**Edmonson, S.** Maloof, A.C., Nadeau, M., **Ahm, A-S. C.** Geyman, E.C., Higgins, J.A., McGee D., Stolper, D., Interglacial Pleistocene periplatform carbonate $\delta^{13}\text{C}$ as an analogue for interpreting ancient chemostratigraphies. GSA connects 2021, Portland, Oregon.
- Ahm, A-S. C.**, Higgins, J.A., Fralick, P. The carbonate rock record of an Archean habitat. Mountjoy carbonate research conference III, 2021. (*Invited talk*)
- Smith, E. F., Lonsdale, M. C., Nelson, L.L., **Ahm, A-S. C.**, Hodgins, E.B., Webb, L.C., Bold, U., Brenner, D.C., Schmidt, M., Higgins, J.A. Ramezani, J., All about that BACE: Interpreting the carbon isotope record of the Ediacaran-Cambrian transition. GSA 2020 Connects Online.
- Ahm, A-S. C.**, Higgins, J.A., Earth History through the Lens of Carbonate Diagenesis. Goldschmidt virtual 2020. (*Invited Keynote*)
- Ahm, A-S. C.**, Maloof, A. C., Bjerrum C. J., Hoffman, P. F., Macdonald, F. A., Rose, C. V., Strauss, J. V., Higgins, J. A., Ca and Mg isotope record of the Trezona carbon isotope excursion, Gordon Research Conference, Geobiology, Galveston, TX. 2020 (*poster*)
- Ahm, A-S. C.**, Higgins, J.A. The chemistry of ancient shallow-marine carbonate sediments. Gordon Research Conference on Geochronology. Waterville Valley, NH. 2019 (*invited talk*)
- Lonsdale, M. C., **Ahm, A-S. C.**, Higgins, J.A., Smith, E. F., Assessing alteration of Ediacaran-Cambrian carbon isotope values at Mount Dunfee, NV. GSA Annual Meeting, Phoenix, Arizona 2019.
- Ahm, A-S. C.** The geochemical record of a Snowball Earth. Geobiology meeting, Banff, 2019. (*Invited talk*)
- Ahm, A-S. C.**, Maloof, A. C., Bjerrum C. J., Bold, U., Hoffman, P. F., Macdonald, F. A., Rose, C. V., Strauss, J. V., Higgins, J. A., An early diagenetic deglacial origin for basal Ediacaran "cap dolostones", AGU, Washington DC 2018 (*talk*)
- Ahm, A-S. C.**, Maloof, A. C., Bjerrum C. J., Bold, U., Hoffman, P.F., Macdonald, F. A., Rose, C. V., Strauss, J. V., Higgins, J. A., An early diagenetic deglacial origin for basal Ediacaran "cap dolostones", Goldschmidt Conference, Boston 2018 (*talk*)
- Ahm, A-S. C.**, Maloof, A. C., Bjerrum C. J., Bold, U., Hoffman, P. F., Macdonald, F. A., Rose, C. V., Strauss, J. V., Higgins, J. A., An early diagenetic deglacial origin for basal Ediacaran cap dolostones, Gordon Conference, Geobiology, Galveston, TX. 2018 (*poster*)
- Ahm, A-S. C.**, Higgins, J. A., Hoffman, P. F., Macdonald, F. A., Maloof, A. C., Rose, C. V., Bjerrum, C. J., The Ca and Mg isotopic record of the descent into a Snowball

- Earth, International Symposium on the Ediacaran-Cambrian, Newfoundland 2017 (*talk*)
- Ahm, A-S. C.** Higgins, J.A. Jones, D., Quantifying early marine diagenesis in shallow-water carbonate sediments during latest Ordovician glaciation. GSA 2017 (*invited talk*)
- Ahm, A-S. C.**, Higgins, J. A., Hoffman, P. F., Macdonald, F. A., Maloof, A. C., Rose, C. V., Bjerrum, C. J., The Ca and Mg isotopic record of the descent into a Snowball Earth, Geobiology Conference, Banff, Canada, 2017 (*poster*)
- Ahm, A-S. C.**, Bjerrum C. J., Blattler, C. L., Higgins, J. A., What can carbonate diagenesis tell us about ancient seawater chemistry? Northeast Geobiology Symposium, Connecticut. 2016 (*poster*)
- Ahm, A-S. C.**, Bjerrum, C. J., Hammarlund, E. U., Disentangling the record of diagenesis, local redox conditions, and global seawater chemistry during the latest Ordovician glaciation, Northeastern Geobiology Symposium, Harvard University 2015 (*poster*)
- Ahm, A-S. C.**, Higgins, J. A., Hoffman, P. F., Macdonald, F. A., Maloof, A. C., Rose, C. V., Bjerrum C., J., The Ca and Mg isotope record of the descent and escape of the end-Cryogenian glaciation, Geological Society of America Annual meeting 2015 (*talk*)
- Ahm, A-S. C.**, Higgins, J. A., Hoffman, P. F., Macdonald, F. A., Maloof, A. C., Rose, C. V., Bjerrum C., J., Ca and Mg Isotope stratigraphy of the Trezona C isotope excursion: Geochemical record of the descent into a Snowball? Goldschmidt Conference, Prague 2014 (*poster*)
- Ahm, A-S. C.**, Bjerrum C. J., Hammarlund, E. U., Persistent deep-water anoxia through the Hirnantian mass extinction event, PhD Conference, IGN, University of Copenhagen 2014 (*talk*)
- Ahm, A-S. C.**, and Bjerrum C., J., The link between the rise of land plants, cloud-albedo, and carbon cycle perturbation, Goldschmidt Conference, Sacramento 2013 (*poster*)
- Ahm, A-S. C.**, Bjerrum C. J., Hammarlund, E. U., Regional deep water anoxic conditions during the Hirnantian extinction event, Goldschmidt Conference, Florence 2013 (*poster*)
- Ahm, A-S. C.**, Bjerrum C. J., The hurdles of the Neoproterozoic era, Geological Society of Denmark annual meeting, Copenhagen 2012 (*poster*)

e. Presentations at institutions

- Ahm, A-S., Stanford, Feb 14th 2023, invited Earth and Planetary Sciences seminar
- Ahm, A-S., UBC, Feb 9th, 2023, invited department seminar
- Ahm, A-S., Dartmouth College, May 19th, 2021, Department Zoom seminar
- Ahm, A-S., University of Victoria, SEOS, April 2nd 2019, Department Seminar
- Ahm, A-S., University of Houston, March 6th 2019, Department Seminar
- Ahm, A-S., Princeton University, Feb 21st 2019, EGGs Seminar
- Ahm, A-S., Cornell University, Feb 15th 2019, Department Seminar
- Ahm, A-S., University of Göttingen, Germany, Jan 14th 2019, Department Colloquium
- Ahm, A-S., University of Southern California, Department Seminar, Dec 3rd 2018

Ahm, A-S., University of California Santa Barbara, Speakers Club, Oct 11th 2018
Ahm, A-S., Cambridge University, Geochemical Seminar. December 2016

SERVICE and PROFESSIONAL ACTIVITIES

Departmental committees and responsibilities

2024 SEOS Indigenous Scholar Appointment Committee
2024 SEOS Climate Science Appointment Committee (*search cancelled*)
2024-present SEOS EDI committee
2023-present SEOS Awards committee chair
2023-present SEOS undergraduate Committee
2023-2024 SEOS ARPT committee
2023 SEOS Honours presentation judge
Fall 2022 SEOS Undergraduate Committee
2022-2023 SEOS EDI committee
2022 SEOS Honours presentation judge

2019 Princeton University, Seminar organizer (EGGS)

Membership and service on international, national and provincial professional bodies and societies

2025- Geochemical society, DEI committee member
2023-2024 European Association of Geochemistry member
2018-2023 American Geophysical Union member
2020-2021 Geochemical Society member
2015-2019 Geological Society of America member
2012-2016 European Association of Geochemistry member
2008-2016 Geological Society of Denmark member

Conference organisational committees

2021 Co-chair of session:
Evolution of Earth System, AGU Fall meeting, New Orleans.

2020 Co-chair of session:
Evolving Perspectives on the Tonian Biosphere, GSA, Montreal.

2019 Co-chair of session:
Revisiting the carbon isotope record. Goldschmidt, Barcelona.

2018 Co-chair of session:
Seafloor diagenesis, hydrothermal processes, and biogeochemistry. Goldschmidt, Boston.

Grant proposals reviewed

2024: Deutsche Forschungsgemeinschaft (DFG)
2024: American Chemical Society (ACS):
with special recognition for outstanding contribution to the review process.
2023: Deutsche Forschungsgemeinschaft (DFG)
2018, 2021: The National Science Foundation (NSF)
2019: National Cave and Karst Research Institute (NCKRI)

Reviews for journals, book reviews, published commentaries

American Journal of Science
Earth and Planetary Science Letters
Elements, Cambridge University Press
Geochemical Perspective Letters
Geochemistry, Geophysics, Geosystems
Geochimica et Cosmochimica Acta
Geology
Chemical Geology
Global Biogeochemical Cycles
Nature Communications
Nature Geoscience
Proceedings of the National Academy of Sciences (PNAS)
Science Advances
The Depositional Record

TEACHING EXPERIENCE

Undergraduate courses taught

Academic year	term	Course	Title
2025	Spring	EOS 460	Earth System Science
2024	Fall	EOS 490	Directed studies in Earth Science
2024	Fall	EOS 325	Earth System Modelling
2024	Spring	EOS 460	Earth System Science
2024	Spring	EOS 499B	SEOS Honours thesis
2023	Fall	EOS 499A	SEOS Honours thesis
2023	Fall	EOS 325	Earth System Modelling
2023	Spring	EOS 490	Directed studies in Earth Science
2022	Fall	EOS 325	Earth System Modelling
2022	Fall	EOS 490	Directed studies in Earth Science

Graduate students I have directly supervised or co-supervised

Name	Year	Position
Rizzieri Balestra	Sep 2025-	MSc student
Jinfeng Hong	Jan 2025- present	MSc student
Daniel Garduno Ruiz	2020- present	PhD candidate

Other contributions to graduate student supervision

Name	Degree	Year	Role
Leslie Moffat	MSc	2024-	Supervisory committee
Joe Marshall	MSc	2024-	Supervisory committee
Matthew Stephens	MSc	2024-	Supervisory committee
Kai Morsink	MSc	2023-2025	Supervisory committee
Stacey Edmonson	PhD	2021-	Supervisory committee
Connor Vanwieren	PhD	2020-	Supervisory committee
Olivia Wren	MSc	2021-2023	Supervisory committee

Postdoctoral Supervision

Name	Year	Role
Keyi Cheng	Feb 2025-	Primary supervisor

Other Training and Supervision of highly qualified personnel

Name	Year	Position	Role
Noa Hardcastle	2024	Summer research assistant	Primary supervisor

PROFESSIONAL DEVELOPMENT in TEACHING and LEARNING

Courses and seminars:

ICAT training, UVic, 2021

URGE, Unlearning Racism in Geoscience, Princeton University, virtual, 2021

Introduction to University Pedagogy, University of Copenhagen, 2013