

UNIVERSITY OF VICTORIA
FACULTY CURRICULUM VITAE

Last Update: April 3, 2024

Name: Jon M. Husson

Faculty: Science

School of Earth and Ocean Sciences (SEOS)

1. EDUCATION AND TRAINING

Degree	Field	Institution	Year
Ph.D.	Geoscience	Princeton University	2014
M.Sc.	Geoscience	Princeton University	2011
B.A. (<i>magna cum laude</i>)	Earth and Planetary Sciences	Harvard University	2008

Title of Thesis or Dissertation

Ph.D., Constraining timing and origin of unusual carbon cycle dynamics in the terminal Proterozoic and middle Paleozoic

2. POSITIONS HELD PRIOR TO UNIVERSITY APPOINTMENT

Oct. 2014 – March 2017: post-doctoral fellow at University of Wisconsin – Madison

3. APPOINTMENTS AT THE UNIVERSITY OF VICTORIA

July 2023 – present: Associate Professor, SEOS

June 2020 – June 2023: Assistant Professor (*reappointment*), SEOS

Apr. 2017 – June 2020: Assistant Professor, SEOS

4. MAJOR FIELDS OF SCHOLARLY OR PROFESSIONAL INTEREST

Earth history, carbonate sedimentology and stratigraphy, low temperature isotope geochemistry, U-Pb geochronology, Precambrian geology, deep time carbon cycle.

5. RESEARCH GRANTS AND FELLOWSHIPS

A. Research Operating Grants

Agency	Program/Title	Holder	Period	Amount/yr
UVic	Faculty Travel Grant	Husson	2023	\$1,050
NRCAN	GEM-GeoNorth	Golding*	2023-2025	\$26,000
<i>(amount for Husson PI for graduate student stipends and analytical support)</i>				
NSERC	Discovery Grant	Husson	2022–2027	\$30,000
UVic	Faculty Travel Grant	Husson	2019	\$1,150
UVic	Faculty Travel Grant	Husson	2018	\$1,150
NSERC	Discovery Grant	Husson	2017–2022	\$23,000
UVic	Start-up Grant	Husson	2017–2021	\$20,000
UVic	Faculty Travel Grant	Husson	2017	\$1,000

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**co-applicant*

B. Equipment Grants

Agency	Program/Title	Holder	Period	Amount/yr
RTI	Nd YAG Laser for ICPMS	Canil*	2019	\$141,000
CFI	gas-source isotope mass spectrometer	Husson	2017	\$70,000
BCKDF	gas-source isotope mass spectrometer	Husson	2017	\$70,000

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**co-applicant*

C. Honours, Fellowships and Scholarships

2013 Teaching Award (Association of Princeton Graduate Alumni)
 2013 Outstanding Teaching Assistant Award (National Association of Geoscience Teachers)
 2013 Arnold Guyot Teaching Award (Princeton Department of Geosciences)
 2010–2014 Graduate Research Fellowship (National Science Foundation)

6. PUBLICATIONS AND PRESENTATIONS

Student or HQP authors are indicated with #. Manuscripts in review are denoted by *italics*.

A. Articles in Preparation / Submitted to Peer-reviewed Journals

30. *Lei, J.Z.X.#, Husson, J.M., Golding, M.L., van Wieren, C.S., Orchard, M.J., Caruthers, A.H., and Carter, E.S., Late Triassic carbon isotope anomalies in the Canadian Cordillera: Paleoenvironmental disturbances associated with the Norian/Rhaetian*

boundary and end-Triassic mass extinction event, submitted to Global and Planetary Change.

B. Articles Published in Refereed Journals

29. Gazdewich, S.C.#, **Husson, J.M.** and Hauck, T., 2024, Authigenic carbonate burial within the Late Devonian Western Canada Sedimentary Basin and its impact on the global carbon cycle: *Geochemistry, Geophysics, Geosystems*, vol. 25, p. e2023GC011376.
28. Lei, J.Z.X.#, Golding, M.L., and **Husson, J.M.**, 2023, Morphological trends across the Norian/Rhaetian boundary within Late Triassic conodonts in western Canada: Implications for protracted paleoenvironmental disturbance preceding the end-Triassic mass extinction: *Paleobiology*, pp. 1–11.
27. **Husson, J.M.** and Coogan, L.C., 2023, River chemistry reveals a large decrease in dolomite abundance across the Phanerozoic: *Geochemical Perspectives Letters*, vol. 26, pp. 1–6.
26. Lei, J.Z.X.#, Golding, M.L., and **Husson, J.M.**, 2022, Paleoenvironmental interpretation of the Late Triassic Norian-Rhaetian boundary interval in the Whitehorse Trough (Stikine Terrane, northern Canadian Cordillera): *Palaeogeography, Palaeoclimatology, Palaeoecology*, vol 608, p. 111306.
25. Busch, J., Hodgin, E.B., Ahm, A.-S. C., **Husson, J.M.**, Macdonald, F.A., Bergmann, K.D., Higgins, J.A. and Strauss, J.V., 2022, Global and local drivers of the Ediacaran Shuram carbon isotope excursion: *Earth and Planetary Science Letters*, vol. 579., p. 117368.
24. Ahm, A.-S. C. and **Husson, J.M.**, 2022, Local and global controls on carbon isotope chemostratigraphy (Elements in Geochemical Tracers in Earth System Science). Cambridge University Press (*invited review article*).
23. Peters, S.E., Quinn, D., **Husson, J.M.** and Gaines, R., 2022, Macrostratigraphy: Insights into Cyclic and Secular Evolution of the Earth-Life System: *Annual Review of Earth and Planetary Sciences*, vol. 50., pp. 419–449 (*invited review article*).
22. Peters, S.E., Walton, C., **Husson, J.M.**, Quinn, D., Shorttle, O., Keller, C.B., and Gaines, R., 2021, Igneous rock area and age in continental crust: *Geology*, vol. 49(10), pp. 1235–1239.
21. Farrell, Û. C., Samawi, R., [... and 39 co-authors ...], **Husson, J.M.**, [... and 67 co-authors], 2021, The Sedimentary Geochemistry and Paleoenvironments Project: *Geobiology*, vol. 19, pp. 545–556.
20. Lei, J.Z.X.#, **Husson, J.M.**, Golding, M.L., Orchard, M.J., and Zonneveld, J.-P., 2021, Stable carbon isotope record of carbonate across the Carnian - Norian boundary at the prospective GSSP section at Black Bear Ridge, British Columbia, Canada: *Albertiana*, vol. 46, pp. 1–10.

19. **Husson, J.M.**, Linzmeier, B.L.[#], Kitajima, K., Ishida, A., Maloof, A.C., Schoene, B., Peters, S.E. and Valley, J.W., 2020, Large isotopic variability at the micron-scale in ‘Shuram’ excursion carbonates from South Australia: Earth and Planetary Science Letters, vol. 538., p. 116211.
18. Barnes, B.D.[#], **Husson, J.M.**, and Peters, S.E., 2020, Authigenic Carbonate Burial in the Late Devonian-Early Mississippian Bakken Formation (Williston Basin, USA), Sedimentology, vol. 67, pp. 2065–2094.
17. Keller, C.B., **Husson, J.M.**, Mitchell, R., Bottke, W.F., Gernon, T.M., Boehnke, P., Bell, E.A., Swanson-Hysell, N.L. and Peters, S.E., 2019, Neoproterozoic glacial origin of the Great Unconformity, Proceedings of the National Academy of Sciences, vol. 116(4), pp. 1136–1145.
16. **Husson, J.M.** and Peters, S.E., 2018, Nature of the sedimentary rock record and its implications for Earth history: Windows on the Early Earth - Late Precambrian Environmental Dynamics and Co-Evolving Complex Life, a special issue of Emerging Topics in Life Sciences, vol. 2(2), pp. 125–136 (*invited review article*).
15. Peters, S.E., **Husson, J.M.**, and Czaplewski, J., 2018, Macrostrat: a platform for geological data integration and deep-time Earth crust research. Geochemistry, Geophysics, Geosystems, vol.19, pp. 1393–1409.
14. Peters, S.E. and **Husson, J.M.**, 2018, We need a global comprehensive stratigraphic database: here’s a start. The Sedimentary Record, vol. 16(1).
13. Peters, S.E., Ross, I., Czaplewski, J., Glassel, A., **Husson, J.M.**, Syverson, V., Zaffos, A., and Livny, M., 2017, A new tool for deep-down data mining: Eos, vol. 98
12. Peters, S.E., **Husson, J.M.**, and Wilcots, J.W.[#], 2017, The rise and fall of stromatolites in shallow marine environments: Geology, vol. 45, pp. 487–490.
11. Peters, S.E. and **Husson, J.M.**, 2017, Sediment cycling on continental and oceanic crust: Geology, vol. 45, pp. 323–326.
10. **Husson, J.M.** and Peters, S.E., 2017, Atmospheric oxygenation driven by unsteady growth of the continental sedimentary reservoir: Earth and Planetary Science Letters, vol. 460, pp. 69–75.
9. **Husson, J.M.**, Schoene, B., Blüher, S.E.[#], and Maloof, A.C., 2016, Chemostratigraphic and U-Pb geochronologic constraints on carbon cycling across the Silurian-Devonian boundary: Earth and Planetary Science Letters, vol. 436, pp. 108–120.
8. Keller, C.B., Schoene, B., Barboni, M., Samperton, K.M., and **Husson, J.M.**, 2015, Volcanic-plutonic parity and the differentiation of the continental crust: Nature, vol. 523, pp. 301–307.
7. **Husson, J.M.**, Higgins, J.A., Maloof, A.C., and Schoene, B., 2015, Ca and Mg isotope constraints on the origin of Earth’s deepest $\delta^{13}\text{C}$ excursion: Geochimica et Cosmochimica Acta, vol. 160, pp. 243–266.

6. **Husson, J.M.**, Maloof, A.C., Schoene, B., Chen, C.Y.#, and Higgins, J.A., 2015, Stratigraphic expression of Earth's deepest $\delta^{13}\text{C}$ excursion in the Wonoka Formation of South Australia: *American Journal of Science*, vol. 315, pp. 1–45.
5. **Husson, J.M.**, Maloof, A.C., and Schoene, B., 2012, A syn-depositional age for Earth's deepest $\delta^{13}\text{C}$ excursion required by isotope conglomerate tests: *Terra Nova*, vol. 24, pp. 318–325.
4. Rose, C.V., Swanson-Hysell, N.L., **Husson, J.M.**, Poppick, L.N., Cottle, J.M., Schoene, B., and Maloof, A.C., 2012, Constraints on the origin and relative timing of the Trezona $\delta^{13}\text{C}$ anomaly below the end-Cryogenian glaciation: *Earth and Planetary Science Letters*, vol. 319, pp. 241–250.
3. Higgins, M.B., Robinson, R.S., **Husson, J.M.**, Carter, S.J., and Pearson, A., 2012, Dominant eukaryotic export production during ocean anoxic events reflects the importance of recycled NH_4^+ : *Proceedings of the National Academy of Sciences*, vol. 109, pp. 2269–2274.
2. Johnston, D.T., Poulton, S.W., Dehler, C., Porter, S., **Husson, J.**, Canfield, D.E., and Knoll, A.H., 2010, An emerging picture of Neoproterozoic ocean chemistry: insights from the Chuar Group, Grand Canyon, USA: *Earth and Planetary Science Letters*, vol. 290, pp. 64–73.
1. Hoffman, P., Halverson, G., Domack, E., **Husson, J.M.**, Higgins, J., and Schrag, D., 2007, Are basal Ediacaran (635 Ma) post-glacial “cap dolostones” diachronous?: *Earth and Planetary Sciences Letters*, vol. 258, pp. 114–131.

C. Other Publications

Government/Industry Reports

1. Lei, J. Z. X.#, Golding, M. L., and **Husson, J.M.**, 2020. Mapping Spatial Patterns of Thermal Maturation across the Canadian Cordillera Using the Conodont Color Alteration Index (CAI): Geological Survey of Canada, Open File 8746, doi:10.4095/327243.

D. Presentations at Conferences or Institutions

Invited Presentations

Authorships by HQP are indicated with #. Upcoming presentations are denoted by *italics*.

20. **Husson, J.M.**, Global and local controls on ancient records of the carbon cycle, University of Regina, Departmental Seminar, April 13, 2022.
19. **Husson, J.M.**, A close look at Earth's largest carbon isotope excursion, Lamont-Doherty Earth Observatory - Columbia University, Earth Science Colloquium, October 8, 2021.

18. **Husson, J.M.**, A close look at Earth's largest carbon isotope excursion, Queen's University, Geological Science and Geological Engineering Virtual Guest Seminar, April 15, 2020.
17. **Husson, J.M.**, GeoDeepDive: a digital library and cyberinfrastructure for Earth System Science in the age of 'Big Data', University of Victoria, School of Earth & Ocean Sciences Seminar, November 26, 2019.
16. **Husson, J.M.**, GeoDeepDive: a digital library and cyberinfrastructure for Earth System Science in the age of 'Big Data', University of California - Berkeley, Earth & Planetary Sciences Departmental Seminar, October 24, 2019.
15. **Husson, J.M.**, A close look at Earth's largest carbon isotope excursion, Université Québec à Montréal, GEOTOP Seminar, October 1, 2019.
14. **Husson, J.M.**, Linzmeier, B.L.#, Śliwiński, M.G., Kitajima, K., Ishida, A., Maloof, A.C., Schoene, B., Peters, S.E. and Valley, J.W., 2019, Large isotopic variability at the micron-scale in Shuram excursion carbonates from South Australia: Goldschmidt, session 08l.
13. **Husson, J.M.**, Peters, S.E., Czaplewski, J., and Zaffos, A., 2018, Getting it all on the map: aggregating and exposing geological information in a space-rock scaffolding: American Geophysical Union Fall Meeting, IN42A-02.
12. **Husson, J. M.** and Peters, S.E., The nature of the rock record and its implications for Earth history. BC Geological Survey Open House, November 2017.
11. **Husson, J.M.**, The nature of the rock record and its implications for Earth history, Pacific Geoscience Centre (Sidney, BC), November 2017.
10. **Husson, J.M.**, The nature of the rock record and its implications for Earth history, Stanford University, Geological Sciences Seminar, October 2017.
9. **Husson, J.M.**, Linzmeier, B.L.#, Śliwiński, M.G., Kitajima, K., Valley, J.W., Peters, S.E., Schoene, B., and Maloof, A.C., June 2017, From basin to crystal: Constraining the origin of Earth's largest carbon isotope excursion. Geobiology Society Conference, Banff, Canada.
8. **Husson, J.M.**, Peters, S.E., Czaplewski, J.J., Zaffos, A.A., Syverson, V., Heim, N., and Kishor, P., September 2016, Cyberinfrastructure opportunities for geochronological data: Future of EARTHTIME Workshop.
7. **Husson, J.M.**, Multi-proxy approaches to the study of the ancient carbon cycle, University of Victoria, Department Colloquium, April 2016.
6. **Husson, J.M.**, Multi-proxy approaches to the study of the ancient carbon cycle, McGill University, Department Colloquium, November 2015.
5. **Husson, J.M.**, Multi-proxy approaches to the study of the ancient carbon cycle, University of Wisconsin - Madison, Weeks Lecture, September 2015.

4. **Husson, J.M.**, Multi-proxy constraints on the origin of Earth's deepest $\delta^{13}\text{C}$ excursion, Washington University, Department Colloquium, April 2015.
3. **Husson, J.M.**, Multi-proxy constraints on the origin of Earth's deepest $\delta^{13}\text{C}_{\text{carb}}$ excursion, Johns Hopkins University, Bromery Lecture, January 2015.
2. **Husson, J.M.**, Multi-proxy constraints on the origin of Earth's deepest $\delta^{13}\text{C}$ excursion, Massachusetts Institute of Technology, Geology, Geochemistry and Geobiology seminar, April 2014.
1. **Husson, J.M.**, Schoene, B., Blüher, S.E.#, and Maloof, A.C., Absolute time constraints on the Silurian-Devonian boundary $\delta^{13}\text{C}$ excursion: William Smith Meeting of the Geological Society of London, June 2013.

Contributed Presentations

Authorships by HQP are indicated with #. Upcoming presentations are denoted by *italics*.

26. **Husson, J.M.**, Stephens, M.B.#, and Coogan, L.C., 2023, River chemistry reveals a large decrease in dolomite abundance across the Phanerozoic Eon: American Geophysical Union Fall Meeting, PP22A-01.
25. Zimmt, J., Cappello, M.#, Jin, J., **Husson, J.M.**, Schoene, B., Mitchell, C., Finnegan, S., and Desrochers, A., 2022, New constraints on the age of the Ellis Bay Formation, Anticosti Island, Canada: a revised framework for understanding the Late Ordovician mass extinction: Geological Society of America, T110-260-6.
24. Lei, J.Z.X.#, **Husson, J.M.** and Golding, M.L., 2022, Prequel to extinction: morphometric analysis of the Norian–Rhaetian (Late Triassic) conodont species *Mockina englandi* and *Mockina carinata* across western Canada: Geological Society of America, T122-48-6.
23. van Wieren, C.#, **Husson, J.M.** and Dyer, B. C., 2022, Anomalous carbon cycling in Ediacaran marine carbonates of the Canadian Rockies: GAC-MAC, SS-26.
22. Wren, O.# and **Husson, J.M.**, 2021, Implications of variability in fluvial $\delta^{13}\text{C}_{\text{DIC}}$ for ancient carbon cycle reconstructions: Geological Society of America, T124-87-6.
21. Lei, J.Z.X.#, **Husson, J.M.** and Golding, M.L., 2021, Conodonts, carbonate, and clams: a multidisciplinary approach to the Late Triassic paleoenvironmental record of northern Vancouver Island, British Columbia, Canada: Geological Society of America, T82-41-2.
20. van Wieren, C.#, **Husson, J.M.** and Dyer, B. C., 2021, Lateral controls on basin scale carbon isotopic excursions in Ediacaran marine carbonates of the Canadian Rockies: Geological Society of America, T124-87-6.
19. Lei, J.Z.X.#, Golding, M.L., and **Husson, J.M.**, 2020, Mass extinction on a slow-burn: the Late Triassic paleoenvironmental record of Williston Lake, British Columbia: American Geophysical Union Fall Meeting, B050-0006.

18. Lei, J.Z.X.[#], Golding, M.L., and **Husson, J.M.**, 2020, Mass extinction on a slow-burn: the Late Triassic paleoenvironmental record of Williston Lake, British Columbia: Geological Society of America, T65-35-6.
17. Gazdewich, S.C.[#], **Husson, J.M.** and Hauck, T., 2019, Stable isotope stratigraphy of Late Devonian carbonates in the Rocky Mountain front ranges: a field test of the authigenic lever: Geological Society of America, T82-282-7.
16. Lei, J.Z.X.[#], Golding, M.L., and **Husson, J.M.**, 2019, Paleoenvironmental interpretation and identification of the Norian–Rhaetian boundary in the Whitehorse Trough (Stikine Terrane, northern Canadian Cordillera): Geological Society of America, T114-117-5.
15. **Husson, J.M.**, Linzmeier, B.L.[#], Śliwiński, M.G., Kitajima, K., Ishida, A., Maloof, A.C., Schoene, B., Peters, S.E. and Valley, J.W., 2018, Large isotopic variability at the micron-scale in Shuram excursion carbonates from South Australia: American Geophysical Union Fall Meeting, PP41D-1405.
14. Cappello, M.[#], **Husson, J.M.**, Schoene, B., Bergmann, K., Finnegan, S., and Jones, D.S., 2018, Radiometric age constraints on the Ordovician-Silurian boundary from eastern Canada and Sweden: Geological Society of America, T125-113-1.
13. Peters, S.E., Czaplewski, J. and **Husson, J.M.**, 2018, Macrostrat: a platform for aggregating, relating, and using geological data and information: Geological Society of America, 50-2.
12. Peters, S.E., Syverson, V.J.P., Zaffos, A., **Husson, J.M.**, Ross, I., and Czaplewski, J., 2017, Extending the reach and resolution of the Paleobiology Database with computational and data infrastructures: Geological Society of America Abstracts with Programs, vol. 49, no. 6.
11. Barnes, B.D.[#], **Husson, J.M.**, Śliwiński, M.G., Denny, A.D., Valley, J.W., and Peters, S.E., 2017, Constraining the importance of authigenic carbonate in the global carbon cycle: a case study from the Bakken Formation: American Association of Petroleum Geologists Annual Convention and Exhibition, Houston, TX.
10. **Husson, J.M.**, Peters, S.E., Ross, I.A. and Czaplewski, J., 2016, Macrostrat and GeoDeepDive: a platform for geological data integration and deep-time research: American Geophysical Union Fall Meeting, IN23F-04.
9. **Husson, J.M.** and Peters, S.E., 2016, Shifting locus of carbonate sedimentation and the trajectory of Paleozoic $p\text{CO}_2$: American Geophysical Union Fall Meeting, PP22B-05.
8. **Husson, J.M.** and Peters, S.E., 2015, Modes of continental sediment storage and the history of atmospheric oxygen: American Geophysical Union Fall Meeting, PP31E-05.
7. **Husson, J.M.** and Peters, S.E., 2015, Macrostratigraphic constraints on the global carbon cycle: Geological Society of America Abstracts with Programs, vol. 47, no. 7, p. 276.

6. **Husson, J.M.**, Peters, S.E. and Czaplewski, J., 2015, Macrostratigraphic constraints on the global carbon cycle: NC Geological Society of America Meeting, vol. 47, no. 5, p. 61.
5. Higgins, J.A., Blättler, C.L. and **Husson, J.M.**, 2014, Is my C isotope excursion global, local, or both? Insights from the Mg and Ca isotopic composition of primary, diagenetic, and authigenic carbonates: American Geophysical Union Fall Meeting, PP43E-03.
4. **Husson, J.M.**, Higgins, J.A., Maloof, A.C., and Schoene, B., 2014, Ca isotope constraints on the origin of Earth's deepest $\delta^{13}\text{C}$ excursion: Geological Society of America Abstracts with Programs, vol. 46, no. 6, p. 401.
3. **Husson, J.M.**, Maloof, A.C., Schoene, B., Chen, C.Y.#, and Higgins, J.A., 2014, Stratigraphic expression of Earth's deepest $\delta^{13}\text{C}$ excursion in the Wonoka Formation of South Australia: Northeastern Geobiology Symposium at Yale University.
2. Maloof, A.C., Swanson-Hysell, N. L., Rose, C. V., **Husson, J.M.**, Dyer, B.C., Halverson, G.P., and Hurtgen, M.T., 2011, The regolith hypothesis for the Tonian-Cryogenian transition: American Geophysical Union Fall Meeting, B33L-02.
1. **Husson, J.M.**, Maloof, A.C., and Schoene, B., 2010, Stratigraphic tests for the origin of the deepest carbon-isotope anomaly in Earth history - the Wonoka Formation of South Australia: Geological Society of America Abstracts with Programs, vol. 42, no. 5, p. 397.

7. SERVICE AND PROFESSIONAL ACTIVITIES

A. Departmental Committees and Responsibilities

year	name
2017–present	SEOS Undergraduate Committee
2023–present	SEOS Undergraduate Advisor
2019–2023	Chair, SEOS Undergraduate Awards Committee (<i>UG Cmte sub-committee</i>)
2021–2022	SEOS RTP Committee
2021	Senior Lab Instructor Search Committee
2019–2020	Earth Science Curriculum Review Committee
2019–2020	Paleobiology / Paleoceanography Faculty Search Committee
2018–2019	Earth History Faculty Search Committee
2017–2018	Tectonics Faculty Search Committee

B. Conference Organization

year	role	conference	location
2019	Session Organizer	AGU	San Francisco
2018	Session Organizer	AGU	Washington, D.C.

C. Grant, Scholarship & Fellowship Committees

year	agency	committee
2023–present	NSERC	Scholarships & Fellowships Selection Committee for Geosciences (168)

D. Grant Proposals Reviewed

year	program	no. reviews
2024	CFI	1
2019	ACS Petroleum Research Fund	2
2018	NSERC Discovery	2
2017	NSF-EAR-SGP	1

E. Editorships

year	journal	role
2023	PNAS	manuscript editor (1 submission)

F. Reviews for Journals, Book Reports, Published Commentaries

In the following list, number in square brackets indicates number of articles reviewed for that journal **since January 1, 2020**. Reviews and re-reviews are counted individually (i.e., 1 original submission + 1 revised submission = 2 reviews). **Total = 26 reviews.**

American Journal of Science [1]	Geology [5]
Earth and Planetary Science Letters [2]	Nature Geoscience [1]
Elements [1]	P-cubed [1]
GSA Today [1]	PNAS [1]
Geobiology [2]	Precambrian Research [3]
Geochimica et Cosmochimica Acta [4]	Science Advances [1]
Geological Society of America Bulletin [2]*	

8. OTHER INFORMATION/ACTIVITIES

5. *upcoming presentation at Café Scientifique on April 10, 2024, organized by the Faculty of Science at University of Victoria. Talk title: The Big Chill: global glaciation and the rise of animal life.*
4. SEOS Fireside Chat on October 20, 2023 at University of Victoria, Talk title: Thinking on your feet: lessons from the field.
3. nominated and hosted Dr. John Grotzinger (Caltech) for the Landsdowne Lecture at the University of Victoria in 2019. His public talk discussed his time as Project Scientist for NASA's Mars Science Laboratory, and was well attended and received.
2. invited seminar with PLATO Frontiers in Life Sciences series (UW-Madison Continuing Studies, March 2017):

*named an Exceptional Reviewer by GSAB Science Editors in 2020

1. media and press attention of published research:

- *Keller, Husson et al., 2019, PNAS:*
 - (a) Eos (<https://eos.org/articles/did-global-glaciation-cause-the-great-unconformity>)
 - (b) National Geographic (<https://www.nationalgeographic.com/science/2018/12/part-earths-crust-went-missing-glaciers-may-be-why-geology/>)
 - (c) Ars Technica (<https://arstechnica.com/science/2019/01/huge-break-in-geological-record-could-be-due-to-a-snowball-earth/>)
 - (d) History (<https://www.history.com/news/earth-crust-great-unconformity-theory>)
 - (e) The Weather Channel (<https://weather.com/science/nature/news/2019-01-02-great-unconformity-gap-layers-earth-ice-glaciers>)
 - (f) Los Angeles Times (<https://www.latimes.com/science/sciencenow/la-sci-sn-snowball-earth-geology-20190103-story.html>)
- *Peters, Husson and Wilcots, 2017, Geology*, UW-Madison press office release (<https://news.wisc.edu/massive-computer-analyzed-geological-database-reveals-chemistry-of-ancient-ocean/>)
- *Husson and Peters, 2017, EPSL*, UW-Madison press office release (<https://news.wisc.edu/fossil-fuel-formation-key-to-atmospheres-oxygen/>)