

**Eugène MORIN**

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**Academic Position**

Trent University, Ontario, Canada	Full Professor	2021–present
Trent University, Ontario, Canada	Associate Professor	2013–2021
Trent University, Ontario, Canada	Assistant Professor	2008–2013

**Education and Fellowships**

Laval University, Québec, Canada	Postdoctoral Fellow	2006–2007
McGill University, Montréal, Canada	Postdoctoral Fellow	2004–2006
University of Michigan, Ann Arbor, U.S.A.	Ph.D. Anthropology	2004
Université Paris Ouest, Nanterre, France	D.E.A. Prehistory	2001
Université de Montréal, Canada	M.Sc. Anthropology	1998
Université de Montréal, Canada	B.Sc. Anthropology	1996

Ph.D. Dissertation: **Morin E.** 2004. Late Pleistocene population interaction in Western Europe and modern human origins: New insights based on the faunal remains from Saint-Césaire, southwestern France. University of Michigan, Ann Arbor.

**Refereed Books**

**Morin E.** 2012. *Reassessing Paleolithic Subsistence. The Neandertal and Modern Human Foragers of Saint-Césaire, France.* Cambridge University Press, 358 p.

**Refereed Publications**

Meier J. and **E. Morin.** 2022. The earliest taphonomic evidence of rabbit exploitation by humans in the Northwestern Mediterranean at Terra Amata (Nice, France). Submitted to *Current Anthropology*.

**Morin E.**, Bird D., Winterhalder B., and R. Bliege Bird. 2022. Why do humans hunt cooperatively? Ethnohistoric data reveal the contexts, advantages and evolutionary importance of communal hunting. *Current Anthropology*, in press.

**Morin E.**, Soppela P., and Y. Chouinard. 2022. Thermal adaptation and fatty acid profiles of bone marrow and muscles in mammals: implications of a study of caribou (*Rangifer tarandus*). *PLoS ONE*, in press.

Speth J.D. and **E. Morin.** 2022. Putrid meat in the tropics: it wasn't just for Inuit. *PaleoAnthropology* 2022:2: 327–383.

Blasco R, Cochard D., Colonese A.C., Laroulandie V., Meier J., **Morin E.**, Rufà A., Tassoni L., and J.C. Thompson. 2022. Small animal use by Neanderthals. In: *Updating Neanderthals. Understanding Behavioural Complexity in the Late Middle Palaeolithic.* F. Romagnoli, F. Rivals and S. Benazzi (eds.). Academic Press, pp. 123–143.

- Baumann M., Ready E., Plisson H., Maury S., Vanderesse N., Coqueugniot H., Kolobova K., and **Morin, E.** 2022. Not so unusual Neanderthal bone tools: new examples from Abri Lartet, France. *Archaeological and Anthropological Sciences* 14: article 200.
- Morin E.**, Bird D., Winterhalder B., and R. Bliege Bird. 2021. Deconstructing hunting returns: Can we reconstruct and predict payoffs from pursuing prey? *Journal of Archaeological Method and Theory*, <https://doi.org/10.1007/s10816-021-09526-6>.
- Lebreton L., **Morin E.**, Gravina B., Michel A., Bachellerie F., Beauval C., Flas D., Laroulandie V., Marot J., Rougier H., Tartar E., Todisco D., and I. Crevecœur. 2021. The potential of micromammals for biostratigraphy and the timing of human occupations at La Roche-à-Pierrot (Saint-Césaire, France). *Quaternary* 2021, 4, 33.
- Morin E.**, Bird D. and R. Bliege Bird. 2020. Mass procurement and prey rankings: insights from the European rabbit. *Archaeological and Anthropological Sciences* 12: Article number: 262.
- Morin E.** 2020. Rethinking the emergence of bone grease procurement. *Journal of Anthropological Archaeology* 59: article number: 101178.
- Morin E.** 2020. Comment on Frayer et al. “Krapina and the case for Neandertal symbolic behavior.” *Current Anthropology* 61:723–724.
- Morin E.** 2020. Revisiting bone grease rendering in highly fragmented assemblages. *American Antiquity* 85:535–553.
- Laroulandie V., **Morin E.**, Soulier M.-C., and J.-C. Castel. 2020. Bird procurement by humans during the Middle and Early Upper Paleolithic in southwestern France: New data for the Aurignacian. *Quaternary International* 543:16–24.
- Morin E.**, Meier J., El Guennouni K., Moigne A.-M., Lebreton L., Rusch L., Valensi P., Conolly J. and D. Cochard. 2019. New evidence of broader diets for archaic *Homo* populations in the northwestern Mediterranean. *Science Advances* 5, eaav9106.
- Morin E.** 2019. Revue de “Préhistoire Béringienne. Étude archéologique des Grottes du Poisson-Bleu (Yukon)” par Lauriane Bourgeon. *Archéologiques* 32:123–124.
- Morin E.**, Beauval C., Boileau A., Ready E., and V. Laroulandie. 2019. The Number of Distinct Elements: Extending a landmark-based counting unit to other taxa. *Journal of Archaeological Science Reports* 24:773–784.
- Ready E. and **E. Morin.** 2019. Preliminary analysis of faunal remains from three Middle Paleolithic deposits in Charente, France. *Journal of Archaeological Science Reports* 24:390–301.
- Rendu W. and **E. Morin.** 2018. Les comportements de subsistance au Paléolithique moyen dans le Sud-Ouest de la France. In: *La Préhistoire de la France*. F. Djindjian (ed.). Hermann, Paris, pp. 132–135.
- Morin E.**, Ready E., Boileau A., Beauval C., and M.-P. Coumont. 2017. Problems of identification and quantification in archaeozoological analysis, part I: Insights from a blind test. *Journal of Archaeological Method and Theory* 24:886–937.
- Morin E.**, Ready E., Boileau A., Beauval C., and M.-P. Coumont. 2017. Problems of identification and quantification in archaeozoological analysis, part II: Presentation of an alternative counting method. *Journal of Archaeological Method and Theory* 24:938–973.
- Morin E.** and M.-C. Soulier. 2017. New criteria for the archaeological identification of bone grease processing, *American Antiquity* 82:96–122.
- Morin E.** and M.-C. Soulier. 2017. The Paleolithic faunal remains from Crvena Stijena. In: *Crvena Stijena in Cultural and Ecological Context. Multidisciplinary Archaeological Research in Montenegro*. R. Whallon (ed.). National Museum of Montenegro Montenegrin Academy of Sciences and Arts, pp. 266–294.

- Whallon R. and **E. Morin**. 2017. Eleven years of research at Crvena Stijena: Synthesis of the results. In: *Crvena Stijena in Cultural and Ecological Context. Multidisciplinary Archaeological Research in Montenegro*. R. Whallon (ed.). National Museum of Montenegro Montenegrin Academy of Sciences and Arts, pp. 450–455.
- Morin E.** 2017. Préface. In *Environnement et subsistance au Pléistocène supérieur au Luxembourg et dans l'est de la France* (author: M. Fabre), Series “Archéologiques,” Musée National d’Histoire et d’Art, Luxemburg, p. 7.
- Morin E.**, Speth J.D., and J. Lee-Thorp. 2016. Middle Palaeolithic diets: A critical examination of the evidence. In: *Oxford Handbook of the Archaeology of Diet*. J. Lee-Thorp and M.A. Katzenberg (eds.). Oxford University Press, pp. 1–33.
- Soulier M.-C. and **E. Morin**. 2016. Cutmark data and their implications for the planning depth of Late Pleistocene societies, *Journal of Human Evolution* 97:37–57.
- Morin E.**, Delagnes A., Armand D., Castel J.-C. and J. Hodgkins. 2014. Centennial- to millennial-scale change in archaeofaunas and their implications for Mousterian lithic variability in southwest France. *Journal of Anthropological Archaeology* 36:158–180.
- Higham T.F.G., Douka K., Wood R., Bronk Ramsey C., Brock F., Basell L., Camps M., Arrizabalaga A., Baena J., Barroso-Ruiz C., Bergman C., Boitard C., Boscato P., Caparrós M., Conard N.J., Draily C., Froment A., Galván B., Gambassini P., Garcia-Moreno A., Grimaldi S., Haesaerts P., Holt B., Iriarte-Chiapusso M.-J., Jelinek A., Jordá Pardo J.F., Maíllo-Fernández J.-M., Marom A., Maroto J., Menéndez M., Metz L., **Morin E.**, Moroni A., Negrino F., Panagopoulou E., Peresani M., Pirson S., de la Rasilla M., Riel-Salvatore J., Ronchitelli A., Santamaria D., Semal P., Slimak L., Soler J., Soler N., Villaluenga A., Pinhasi R. and R. Jacobi. 2014. The timing and spatio-temporal patterning of Neanderthal disappearance. *Nature* 512:306–309.
- Discamps E., Soulier M.-C., Bachelier F., Bordes J.-G., Castel J.-C., and **E. Morin**. 2014. Des faunes et des hommes: interactions entre environnements et cultures à la fin du Paléolithique moyen et au début du Paléolithique supérieur dans le Sud-Ouest de la France. In: *Exploitation des ressources organiques à la fin du Paléolithique moyen et au début du Paléolithique supérieur: interactions entre environnement et comportements techniques*. C. Thiébaud, S. Costamagno and E. Claud (eds.). Mémoires de la Société Préhistorique de France, Paris, pp. 299–314.
- Nascou A., and **E. Morin**. 2014. Arctic wolf and spotted hyena gnawing damage on an experimental faunal assemblage. *Journal of Taphonomy* 12:1–36.
- Morin E.** and E. Ready. 2013. Foraging goals and transport decisions in Western Europe during the Paleolithic and early Holocene. In: *Zooarchaeology and modern human origins: Human hunting behavior during the later Pleistocene*. J. L. Clark and J. D. Speth (eds.). Vertebrate Paleobiology and Paleoanthropology Series, Springer, Dordrecht, pp. 227–269.
- Cochard D., Brugal J.-P., **Morin E.**, and L. Meignen. 2012. Evidence for small fast game exploitation in the Middle Paleolithic of Les Canalettes, Aveyron, France. *Quaternary International* 264:32–51.
- Morin E.** and V. Laroulandie. 2012. Presumed symbolic use of diurnal raptors by Neandertals. *PLoS ONE* 7:1–5
- Morin E.** 2010. Taphonomic implications of the use of bone as fuel. *Palethnologie* 2:209–217.
- Beauval C. and **E. Morin**. 2010. Les repaires d’hyènes du Lussacois (Lussac-les-Châteaux, Vienne, France). Apport des sites des Plumettes et des Rochers-de-Villeneuve. In: *Préhistoire entre Vienne et Charente. Hommes et Sociétés du Paléolithique*. J. Buisson-

- Catil and J. Primault (eds.). Ministère de la Culture et des Communications, Vol. 38, pp. 175–189.
- Bordes J.-G., Le Brun-Ricalens F., Castel J.-C., Ducasse S., Faivre J.-P., Feruglio V., Henry-Gambier D., Lacrampe-Cuyaubère F., Laroulandie V., Lenoble A., Martin H., Maureille B., Morala A., **Morin E.**, Renard C., Rendu W., Rigaud S., Rougier H., Szmidi C., Tartar E., Texier J.-P., and N. Teyssandier. 2008. Les débuts du Paléolithique supérieur dans le Sud-Ouest de la France: Fouilles 2004-2006 au Piage (Fajoles, Lot). Problématique et premiers résultats. In: *Les sociétés du Paléolithique dans un Grand Sud-Ouest de la France: Nouveaux gisements, nouveaux résultats, nouvelles méthodes*. J. Jaubert J., J.-G. Bordes and I. Ortega (eds.). *Mémoires de la Société Préhistorique Française XLVII*, pp. 261–288.
- Morin E.** 2008. Evidence for declines in human population densities during the early Upper Paleolithic in Western Europe. *Proceedings of the National Academy of Sciences, USA*, 105:48-53.
- Morin E.** 2007. Fat composition, skeletal part selection, and Nunamiut decision-making. *Journal of Archaeological Science* 34:69–82.
- Morin E.** 2006. Beyond stratigraphic noise: Unraveling the evolution of stratified assemblages in bioturbated sites. *Geoarchaeology* 21:541–565.
- Morin E.** 2006. Résumé de thèse—Late Pleistocene population interaction in Western Europe and modern human origins: New insights based on the faunal remains from Saint-Césaire, southwestern France. *Bulletin de la Société Préhistorique Française* 103:186–189.
- Morin E.**, Tsanova T., Sirakov N., Rendu W., Mallye J.-B. and F. Lévêque. 2005. Bone refits in stratified deposits: Testing the chronological grain at Saint-Césaire. *Journal of Archaeological Science* 32:1083–1098.
- Morin E.** 2004. An experimental model for interpreting Levallois patterning and toolkit transport. In: *Settlement Dynamics of the Middle Paleolithic and Middle Stone Age*. N. Conard (ed.). Tübingen: Kerns Verlag, pp. 317–341.
- Morin E.** 2001. Early Late Woodland social networks in the St. Lawrence River Valley. *Archaeology of Eastern North America* 29:65–100.

### Conference Presentations

- Morin E.**, Bird D., Winterhalder B., and R. Bliege Bird. 2022. Socio-economic aspects of the communal drive: Re-examination of a hunt type that is neglected in anthropological theory. Paper presented at the 13<sup>th</sup> *Conference on Hunting and Gathering Societies*, Dublin, Ireland.
- Bird D., **Morin E.**, Winterhalder B., and R. Bliege Bird. 2022. Should hunters (always) pursue large game on encounter? Comparative analysis of return rates from around the world. Paper presented at the *European Society for the Study of Human Evolution* annual (virtual) meeting.
- Speth J.D. and **E. Morin**. 2022. Putrid meat in the African Paleolithic: It wasn't just for Eskimos. Paper presented at the Annual Meeting of the American Association of Biological Anthropologists, Denver, Colorado.
- Morin E.**, Bird D., Winterhalder B., and R. Bliege Bird. 2021. Revisiting hunting efficiency: do hunting returns scale with prey body size? Paper presented at the *European Society for the Study of Human Evolution* annual (virtual) meeting.

- Morin E.**, Meier J., El Guennouni K., Moigne A.-M., Lebreton L., Rusch L., Valensi P., Conolly J. and D. Cochard. 2019. New evidence for recurrent dietary exploitation of leporids in the Middle and Late Pleistocene of the Northwestern Mediterranean. Paper presented at the *Paleoanthropology Society* annual meeting, Albuquerque, USA.
- Morin E.**, Meier J., El Guennouni K., Moigne A.-M., Lebreton L., Rusch L., Valensi P., Conolly J. and D. Cochard. 2019. Dietary change during the Middle and Late Pleistocene in the NW Mediterranean: New insights from the analysis of rabbit assemblages. Paper presented at the *Society for American Archaeology* annual meeting, Albuquerque, USA.
- Monnier G., Tostevin G., Baković M., Borovinić N., Mallof C., Čulafić G., **Morin E.**, Boaretto E., Pajović G., Vidal P., Jambrina M., Albert R., Carrancho A., Mihailović D., Mercier N., Morley M., Porter S., and R. Whallon. 2019. New Excavations at Crvena Stijena, Montenegro: A multidisciplinary investigation of fire use by Neanderthals in Southeastern Europe. Poster presented at the *Society for American Archaeology* annual meeting, Albuquerque, USA.
- Morin E.**, Meier J., El Guennouni K., Moigne A.-M., Lebreton L., Rusch L., Valensi P., Conolly J. and D. Cochard. 2018. Revisiting diet breadth in Middle and Late Pleistocene Europe: Implications of new findings. Paper presented at the *Calpe 2018 Conference*, Gibraltar.
- Laroulandie V., Castel J.-C., **Morin E.**, and M.-C. Soulier. 2018. Use of birds during the Aurignacian in southwestern France: An eagle skull and other unexpected findings. Paper presented at 9th *Bird Working Group Meeting*, International Council of Archaeozoology, Sheffield, UK.
- Morin E.**, Speth J.D., and J. Lee-Thorp. 2017. Synthesizing the evidence on Middle and Upper Paleolithic diets in Europe and SW Asia. Paper presented at the *Paleoanthropology Society* annual meeting, Vancouver, Canada.
- Boileau A., Ready E., Beauval C., Coumont M.-P., and **E. Morin**. 2017. Testing the robustness of NISP and MNE: Results of a blind test. Paper presented at the *Society for American Archaeology* annual meeting, Vancouver, Canada.
- Morin E.**, Ready E., Boileau A., Beauval C., and M.-P. Coumont. 2017. The Number of Distinct Elements (NDE): An alternative measure of faunal abundance. Paper presented at the *Society for American Archaeology* annual meeting, Vancouver, Canada.
- Égüez N., Mallof C., Makarewicz C., Blasco R., Rosell J., Rivals F., **Morin E.**, and F. Bachellerie. 2015. Micro-characterization of carnivore coprolites: A contribution to the study of Pleistocene anthropogenic sedimentary deposits. Paper presented at the *Developing International Geoarchaeology* meeting (5–12 June, Sardinia).
- Morin E.** 2013. Can ungulate assemblages be used to detect rapid climatic changes? Implications of a new time series for the chronology of the Mousterian. Paper presented at the *Paleoanthropology Society* annual meeting, Hawaii, USA.
- Ready E. and **E. Morin**. 2013. Revisiting the Middle to Upper Paleolithic transition at Gatzarria Cave. Honolulu, Hawaii: Poster presented at the *Paleoanthropology Society* annual meeting, Hawaii, USA.
- Morin E.** and E. Ready. 2013. Why transport bones? An analysis of anatomical profiles from Pleistocene European archaeofaunas. Paper presented at the *Society for American Archaeology* annual meeting, Hawaii, USA.
- Morin E.** and E. Ready. 2010. Foraging goals and transport decisions in Western Europe during the Middle and Upper Paleolithic. Paper presented at the ICAZ meeting, Paris, France.

- Morin E.** 2010. “Les surprenants résultats de la fouille de Saint-Césaire.” Conference presented at the Paléosite Museum, Saint-Césaire, France.
- Discamps E., Soulier M.-C., Bachellerie F., Bordes J.-G., Castel J.-C., and **E. Morin.** 2010. Quelles interactions entre changements environnementaux et culturels à la fin du Paléolithique moyen et au début du Paléolithique supérieur? Paper presented at the 27<sup>th</sup> *Congrès Préhistorique de France*, Bordeaux, France.
- Morin E.** 2010. Diet breadth in the early Upper Paleolithic of France. Paper presented at the *Society for American Archaeology* annual meeting, St.Louis, USA.
- Morin E.** 2010. Rethinking the last Neandertals and the earliest modern humans in Europe. Conference presented at the University of Toronto.
- Morin E.** 2008. Structures de combustion, os brûlés et profils squelettiques au cours de la transition Paléolithique moyen/supérieur. Paper presented in a workshop entitled “Taphonomy of organic burned residues and combustion structures in archaeological context,” Valbonne, France.
- Morin E.** 2008. Marrow bone selection and fatty acid composition: Implications for the evolution of human subsistence strategies. Paper presented at the *Paleoanthropology Society* annual meeting, Vancouver, Canada.
- Morin E.** and D. Liolios. 2008. Bone tool technology and animal food procurement at Saint-Césaire: Some thoughts about site function and settlement patterns during the Middle to Upper Paleolithic transition. Paper presented at the *Society for American Archaeology* annual meeting, Vancouver, Canada.
- Morin E.** 2008. Les derniers Néandertaliens: extinction ou continuité? Conference presented at the Université de Montréal.
- Morin E.** 2007. Ungulate species abundance and human population densities during the Middle to Upper Paleolithic transition in Western Europe: The population bottleneck model. Paper presented at the *Paleoanthropology Society* annual meeting, Philadelphia.
- Morin E.** 2006. Assessing identification biases at Saint-Césaire using long bone refits. Paper presented at the *Society for American Archaeology* annual meeting, San Juan, Puerto Rico.
- Morin E.** 2006. Testing the modern human expansion hypothesis using the Saint-Césaire fauna. Paper presented at the *Paleoanthropology Society* annual meeting, San Juan, Puerto Rico.
- Morin E. 2005. Bone grease rendering and factors underlying bone selection. Paper presented at the *Society for American Archaeology* annual meeting, Salt Lake City.
- Morin E.,** Tsanova T., Sirakov N., Rendu W., Mallye J.-B. and F. Lévêque. 2004. Exploring occupation mixing at Saint-Césaire using bone refits. *Journal of Human Evolution* 47: A63.
- Morin E.** 2002. Mousterian mobility and the significance of raw material transfers: A view from Artenac. *Journal of Human Evolution* 42: A24.
- Morin E.** 2001. Apport de l’expérimentation à l’étude de la mobilité de l’outillage dans les assemblages Levallois. Paper presented at the meeting organized by the *l’Union Internationale des Sciences Pré et Protohistoriques* (UISPP), Liège, Belgium, September 2001.
- Morin E.** 2000. Early Late Woodland Social Networks in the St. Lawrence River Valley. Paper presented at the *Canadian Archaeological Association* annual meeting, Ottawa.

*Curriculum vitae*

**Morin E.** 1998. The Early Late Woodland period (1000-1300 A.D.) in the Upper St. Lawrence Valley: Proposition of a regional sequence. Paper presented at the *Thousand Islands Conference, New York Archaeological Association, Alexandria Bay, May 1998.*