



Jerome S. Cybulski

- **Degrees:** B.A., M.A. (SUNY Buffalo); Ph.D. (Toronto)
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- **Current Appointments:** Research Associate, Canadian Museum of History; Adjunct Research Professor, University of Western Ontario (Anthropology); Adjunct Professor, Simon Fraser University (Archaeology)

Research interests and areas of expertise:

Human skeletal biology (bioarchaeology) and mortuary archaeology with special but not exclusive reference to populations in Canada. Steering Committee for University of Western Ontario IMPACT Radiological Mummy Database

(<http://impactdb.uwo.ca/IMPACTdb/Index.html>)

Current research:

(1) Analysis of archaeological human remains from Canada's west coast and the Canadian plateau: environmental adaptation, paleopathology (esp. trauma and warfare), and dietary isotopes; genomic variation and history in ancient and living peoples in collaboration with colleagues at the University of Illinois, Washington State University, and the First Nations communities of Stswécemc/Xgat'temc, Laxgalts'ap, Tk'emlúps te Secwépemc, Metlakatla, and Lax Kw'alaams.

(2) On-site analysis of ancient Egyptian human remains with the Pacific Lutheran University Valley of the Kings Project headed by Dr. Donald Ryan (Tombs KV 27, 28, 44, and 45) and with the TT65 Project of the Hungarian Archaeological Mission in Thebes (Tombs of the Nobles) headed by Dr. Tamás Bács, Eötvös Loránd University, Budapest: demographics of tomb occupants and their social, biological and health histories during Egypt's 18th and later dynasties.

Recent and select publications:

- 2016 A wealth of beads: evidence for material wealth-based inequality in the Salish Sea region, 4000-3500 cal B.P. (Coupland G, Bilton D, Clark T, Cybulski JS, Frederick G, Letham B, Holland A, Williams G). *American Antiquity* 81(2):294-315.
- 2015 Genomic evidence for the Pleistocene and recent population history of Native Americans. (Raghavan, M, Steinrücken M, Harris K, Schiffels S, Rasmussen S, DeGiorgio M, Albrechtsen A, Valdiosera C, Ávila-Arcos MC, Malaspina AS, Eriksson A, Moltke I, Metspalu M, Homburger JR, Wall J, Cornejo OE, Moreno-Mayar JV, Korneliusson TS, Pierre T, Rasmussen M, Campos PF, de Barros Damgaard P, Allentoft ME, Lindo J, Metspalu E, Rodríguez-Varela R, Mansilla J, Hendrickson C, Seguin-Orlando A, Malmström H, Stafford Jr. T, Shringarpure SS, Moreno-Estrada A, Karmin M, Tambets K, Bergström A, Xue Y, Warmuth V, Friend AD, Singarayer J, Valdes P, Balloux F, LeBoreiro I, Luis Vera J, Rangel-Villalobos H, Pettener D, Luiselli D, Davis LG, Heyer E, Zollikofer CPE, Ponce de León MS, Smith CI, Grimes V, Pike KA, Deal M, Fuller BT, Arriaza B, Standen V, Luz MF, Ricaut F, Guidon N, Osipova L, Voevodina MI, Posukh OL, Balanovsky O, Lavryashina M, Bogunov Y, Khusnutdinova E, Gubina M, Balanovska E, Fedorova S, Litvinov S, Malyarchuk B, Derenko M,

- Mosher MJ, Archer D, Cybulski JS, Petzelt B, Mitchell J, Worl R, Norman PJ, Parham P, Kemp BM, Kivisild T, Tyler-Smith C, Sandhu MS, Crawford M, Villems R, Glenn Smith D, Waters MR, Goebel T, Johnson JR, Malhi RS, Jakobsson M, Meltzer DJ, Manica A, Durbin R, Bustamante CD, Song YS, Nielsen R, Willerslev E). *Science* 349: aab3884-1-10.
- 2015 Iliacus-piriformis abscess and septic arthritis from Theban Tomb (TT) 65. (Stark RJ, Cybulski JS, Bács TA). *International Journal of Paleopathology* 8:57-63.
- 2015 Bioarchaeology, TT65 Project, Hungarian Mission in Thebes. (Cybulski JS, Stark RJ, Bács TA). In *Egyptian Bioarchaeology: Humans, Animals, and the Environment*, Ikram S, Kaiser J, Walker R, eds, Leiden: **Sidestone Press**, pp. 21-29.
- 2014 Bioarchaeology in Canada: origins and contemporary issues. (Cybulski JS, Katzenberg MA). In *Archaeological Human Remains: Global Perspectives*, O'Donnabhain B, Lozada MC, eds, New York: **Springer**, pp. 85-103.
- 2014 Updating the warrior cache: timing the evidence for warfare at Prince Rupert Harbour. (Cybulski JS). In *Violence and Warfare Among Hunter-Gatherers*, Allen MW, Jones TL, eds, Walnut Creek: **Left Coast Press**, pp. 333-350.
- 2014 Conflict on the northern Northwest Coast: 2000 years plus of bioarchaeological evidence. (Cybulski JS). In *The Routledge Handbook of the Bioarchaeology of Human Conflict*, Knüsel C, Smith MJ, eds, London: **Routledge** (Taylor and Francis Group), pp. 415-451.
- 2014 The genetic prehistory of the New World Arctic. (Raghavan M, DeGiorgio M, Albrechtsen A, Moltke I, Skoglund P, Korneliusen TS, Grønnow B, Appelt M, Gulløv HC, Friesen TM, Fitzhugh W, Malmström H, Rasmussen S, Olsen J, Melchior L, Fuller BT, Fahrni SM, Stafford T Jr, Grimes V, Renouf MAP, Cybulski JS, Lynnerup N, Lahr MM, Britton K, Knecht R, Arneborg J, Metspalu M, Cornejo OE, Malaspina A-S, Wang Y, Rasmussen M, Raghavan V, Hansen TVO, Khusnutdinova E, Pierre T, Dneprovsky K, Andreasen C, Lange H, Hayes MG, Coltrain J, Spitsyn VA, Götherström A, Orlando L, Kivisild T, Villems R, Crawford MH, Nielsen FC, Dissing J, Heinemeier J, Meldgaard M, Bustamante C, O'Rourke DH, Jakobsson M, Gilbert MTP, Nielsen R, Willerslev E.) *Science* 345:1020-1029.
- 2014 Patterns of admixture and population structure in native populations of northwest North America. (Verdu P, Pemberton TJ, Laurent R, Kemp BM, Gonzalez-Oliver A, Gorodezky C, Hughes CE, Shattuck MR, Petzelt B, Mitchell J, Harry H, William T, Worl R, Cybulski JS, Rosenberg NA, Malhi RS). *PLoS Genetics* 10(8): e1004530. doi:10.1371/journal.pgen.1004530
- 2013 Reconciling migration models to the Americas with the variation of North American native mitogenomes. (Achilli A, Perego UA, Lancioni H, Olivieri A, Gandini F, Kashani BH, Battaglia V, Grugni V, Angerhofer N, Rogers MP, Herrera RJ, Woodward SR, Labuda D, Smith DG, Cybulski JS, Semino O, Malhi RS, Torroni A). *Proceedings of the National Academy of Sciences*. www.pnas.org/cgi/doi/10.1073/pnas.1306290110.
- 2013 Ancient DNA analysis of mid-Holocene individuals from the Northwest Coast of North America reveals different evolutionary paths for mitogenomes. (Yinqiu C, Lindo J, Hughes CE, Johnson JW, Hernandez AG, Kemp BM, Ma J, Cunningham R, Petzelt B, Mitchell J, Archer D, Cybulski JS, Malhi RS). *PLoS ONE* 8(7): e66948. doi:10.1371/journal.pone.0066948.

- 2012 History of human paleopathology in Canada. (Cybulski JS). In *The Global History of Paleopathology: Pioneers and Prospects*, Buikstra JA, Roberts CA, eds, New York and Oxford: **Oxford University Press**, pp. 245-258.
- 2011 Canada. (Cybulski JS). In *The Routledge Handbook of Archaeological Human Remains and Legislation: An International Guide to Laws and Practice in the Excavation, Study and Treatment of Archaeological Human Remains*, Marquez-Grant N, Fibiger L, eds, London: **Routledge** (Taylor and Francis Group), pp. 525-530.
- 2011 Gore Creek skeleton, an early human in North America. (Cybulski JS). **The Canadian Encyclopedia**. Available online at <http://www.thecanadianencyclopedia.com/en/article/gore-creek-skeleton-an-early-human-in-north-america/>
- 2011 The China Lake and Big Bar Burials. (Cybulski JS). Profile in Chapter 14 (Biology of Contemporary and Past Populations: The Ethics of Studying Human Remains) In *A Human Voyage; Exploring Biological Anthropology* by Keenleyside A, Lazenby R, Toronto: **Nelson Education Ltd.**, p. 327.
- 2010 Human skeletal variation and environmental diversity in northwestern North America. (Cybulski JS). In *Human Variation in the Americas: The Integration of Archaeology and Biological Anthropology*, Auerbach BM, ed, Occasional Paper No. 38, **Center for Archaeological Investigations**, Southern Illinois University, Carbondale, pp. 77-112.
- 2010 Brief communication: mitochondrial haplotype C4c confirmed as a founding genome in the Americas. (Malhi, RS, Cybulski JS, Tito RY, Johnson J, Harry H, Dan C). *American Journal of Physical Anthropology* 141: 494-497.
- 2009 Contributor and Panelist in *Decoding Implications of the Genographic Project for Archaeology and Cultural Heritage*, convened and edited by Nicholas G, Hollowell J, *International Journal of Cultural Property* 16(2): 141-183.
- 2008 Davidson Black. (Cybulski JS). **The Canadian Encyclopedia**. Available online at <http://www.thecanadianencyclopedia.com/en/article/davidson-black/>
- 2007 Contributor to *All You Ever Wanted to Know About Forensic Science in Canada but Didn't Know Who to Ask!* Compiled and edited by Anderson GS for the Canadian Society of Forensic Science. On-line. Internet Explorer. 23 June 2016. <http://www.csfs.ca/how-to-become-a-forensic-scientist.html>
- 2007 The Big Bar Lake burial: Middle Period human remains from the Canadian Plateau. (Cybulski JS, McMillan AD, Malhi RS, Kemp BM, Harry H, Cousins S) *Canadian Journal of Archaeology* 31: 55-79.
- 2007 Mitochondrial haplogroup M discovered in prehistoric North Americans. (Malhi RS, Kemp BM, Eshleman J, Cybulski JS, Smith DG, Cousins S, Harry H) *Journal of Archaeological Science* 34: 642-648.
- 2006 Skeletal biology: Northwest Coast and Plateau. (Cybulski JS). In *Handbook of North American Indians, Vol. 3, Environment, Origins and Population*, Ubelaker D, ed, Washington: **Smithsonian Institution**, pp. 532-547.
- 2002 General and specific skeletal indicators in an eastern Ontario identification. (Cybulski JS, Young J). *Canadian Society of Forensic Science Journal* 35: 57-65.

- 2001 Introduction: the Prince Rupert Harbour project. (MacDonald GF, Cybulski JS). In *Perspectives on Northern Northwest Coast Prehistory*, Cybulski JS ed, Archaeological Survey of Canada Mercury Series Paper 160, **Canadian Museum of History**, Gatineau, pp. 1-23.
- 2001 Human biological relationships for the northern Northwest Coast. (Cybulski JS). In *Perspectives on Northern Northwest Coast Prehistory*, Cybulski JS ed, Archaeological Survey of Canada Mercury Series Paper 160, **Canadian Museum of History**, Gatineau, pp. 107-144.
- 2001 Current challenges to traditional anthropological applications of human osteology in Canada. (Cybulski JS). In *Out of the Past: The History of Human Osteology at the University of Toronto*, Sawchuck L, Pfeiffer S eds, CITD Press, **University of Toronto**. On-line. Internet Explorer. 23 June 2016. Available: <https://tspace.library.utoronto.ca/citd/Osteology/cybulski.html>.