

Bjørn Peare Bartholdy

PhD Student

Education

- 2017–present **PhD**, *Archaeological Sciences*, Leiden University.
2016–2017 **MSc**, *Human Osteology and Funerary Archaeology*, Leiden University.
2011–2015 **BSc**, *Archaeology*, University of Calgary.
Honours | Concentration: Physical Anthropology

Research Interests

- Dental anthropology
- Palaeodietary reconstruction
- Skeletal biology
- Palaeoradiology
- Palaeopathology
- Statistics

Research Experience

- 2017–present **PhD Research**, *Leiden University*.
Protocol development for *in vitro* dental calculus.
- 2016–2017 **MSc Research**, *Leiden University*.
Analysis of dental health in non-adults from a 19th cent. Dutch population using micro-CT.
- 2014–2015 **BSc Research**, *University of Calgary*.
Micro-CT analysis of vertebrae with vertebral osteophytosis.
- 2014–2015 **Advanced Zooarchaeology**, *University of Calgary*.
Ancient DNA analysis of 18 canid bones.

Teaching Experience

- 2021–2022 **Certified Instructor**, *Data Carpentry*.
R for Social Sciences | Four day Data Carpentry workshop organised by Leiden University, TU Delft, and Erasmus University Rotterdam
- 2020–2022 **Instructor**, *MSc Quantitative Methods in Archaeology*, Leiden University.
Statistics and R
- 2019–2020 **Guest lecturer**, *MSc Thesis Tutorial*, Leiden University.
Statistics and SPSS
- 2019 **Guest lecturer**, *MSc Palaeopathology*, Leiden University.
Dental Pathology and Congenital Abnormalities
- 2019 **Guest lecturer**, *BA3 Ancient Foodways*, Leiden University.
Diet and Dental Calculus

- 2018 **Teaching assistant**, *BA3 Osteoarchaeology*, Leiden University.
10 EC
- 2016 **Visiting speaker**, *AN(th)ARKY talks*, University of Calgary.
Vampirism and Palaeopathology

Thesis Supervision

- 2018–2022 **MSc Human Osteology and Funerary Archaeology**, *Leiden University*.
 - Claudia Bressan
 - Veronica Jackson
 - Mayke Bruijstens
 - Judyta Olszewski

Archaeological Practice

- 2017 **Human Osteology internship**, *Leiden University*.
Complete osteological analysis of five skeletons
- 2015 **Public Archaeology Program**, *University of Calgary*.
Four days of excavation at the Cluny Fortified Village Site (EePf-1)
- 2014 **Mortuary archaeology field school**, Drawsko, Poland.
Three weeks of fieldwork at an 18th century cemetery, including labwork and human osteology lectures

Professional Activities

Positions

- 2021–2022 **Ambassador**, *Open Science Community Leiden*.
- 2020–2022 **Steering committee**, *ARCHON Research School of Archaeology*.
- 2019–2022 **Editor-in-Chief**, *Inter-Section Journal*.

Conference and Workshop Organisation

- 2021 **Organising committee**, *ARCHON Day 2021*, ARCHON, Decolonising Archaeology.
28 October
- 2021 **Organiser**, *Academic Poster Presentation Workshop*, ARCHON.
24 September
- 2020 **Organising committee**, *ARCHON Day 2020*, ARCHON, 28 October.
- 2020 **Organiser**, *Dental Non-Metric Workshop*, Leiden University.
9–10 March
- 2014–2015 **Organising committee**, *Chacmool Archaeology Conference 2015*.

Administration

- 2014–2015 **Volunteer coordinator**, *Ole Christensen Memorial Reading Room*, University of Calgary.

Publications

- 2020 **Bartholdy, BP**, E Sandoval, MLP Hoogland, and SA Schrader. Getting Rid of Dichotomous Sex Estimations: Why Logistic Regression Should be Preferred Over Discriminant Function Analysis. *Journal of Forensic Sciences*. 65(5), 1685–1691. <https://doi.org/10.1111/1556-4029.14482>
- 2019 **Bartholdy, BP**, MLP Hoogland, and A Waters-Rist. How Old Are You Now? A New Ageing Method for Nonadults Based on Dental Wear. *International Journal of Osteoarchaeology*, 29(4), 622–33. <https://doi.org/10.1002/oa.2758>
- 2017 **Bartholdy, BP**, K Hacking, TJ Murchie, and C Verwoerd. Dog Days on the Plains: A Preliminary ADNA Analysis of Canid Bones from Southern Alberta and Saskatchewan. *Canadian Journal of Archaeology* 41, 46–62.

Publications, Non-Peer Reviewed

- 2019 *Spit, Tartar, and Burial: an Experiment's Diary*. Leiden Archaeology Blog (leidenarchaeologyblog.nl/articles/spit-tartar-and-burial-an-experiments-diary).
- 2018 Henry, AG, EJ Devereux, and **BP Bartholdy**, European Society for the Study of Human Evolution 2017: old sites, new methods, *Evolutionary Anthropology* 27(1): 5-6.
- 2015 *Bloodsucking Diseases: applying vampire superstition to paleopathology*. Proceedings of the 47th Annual Chacmool Archaeological Conference. 191-201.

Conferences

Podium Presentations

- 2021 **Bartholdy, BP**, and AG Henry, *Exploring Dental Calculus and Diet Through an Oral Biofilm Model*. 89th Annual Meeting of the Canadian Association for Physical Anthropology.
- 2020 **Bartholdy, BP**, FH Reidsma, and AG Henry, *Build-a-Calculus: Experimental dietary research on in vitro dental calculus*. 89th Annual Meeting of the American Association of Physical Anthropologists.
- 2019 *Cooking up Calculus: Experimental dietary research on a model calculus system*. NVFA symposium: New Methods and Techniques
- 2018 **Bartholdy, BP**, and AG Henry, *Back to Basics: Introducing a model calculus system to test fundamental aspects of dental calculus research*. Presented at the 8th International Symposium on Biomolecular Archaeology, Jena, Germany.
- 2015 **Bartholdy, BP**, K Hacking, and TJ Murchie. *Dog Days on the Plains: Comparison of three sites on the Canadian plains through aDNA analysis of canid bones*. Presented at the 47th Annual Meeting of the Canadian Archaeological Association, St. John's, Canada.
- 2014 *Bloodsucking diseases: Applying vampire superstition to paleopathology*. Presented at the 47th Chacmool archaeology conference, Calgary, Canada.

Poster Presentations

- 2019 **Bartholdy, BP**, and A Waters-Rist. *A Question of Calibration: Comparing inverse and classical calibration on a recently developed age-at-death estimation method*. Presented at the 21st Annual Meeting of the British Association for Biological Anthropology and Osteoarchaeology.
- 2018 **Bartholdy, BP**, MLP Hoogland, A Waters-Rist. *Barking up the wrong tree? Searching for sexual dimorphism in deciduous enamel thickness and density*. Presented at the 87th Annual Meeting of the American Association of Physical Anthropologists.
- 2017 *Myco Spikes: A proposed standard for fossil calibration in evolutionary tuberculosis studies*. Presented at the 19th Annual Meeting of the British Association for Biological Anthropology and Osteoarchaeology.
- 2016 *I C(T) Dead People*. Poster presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA.
- 2015 Hacking, K, **BP Bartholdy**, and TJ Murchie. *Wolf, coyote, dog, or hybrid? Phylogenetic study of canid remains*. Poster presented 47th Annual Meeting of the Canadian Archaeological Association, St. John's, Canada.

Volunteer

- 2014 Volunteer, 83rd Annual Meeting of the American Association of Physical Anthropologists, Calgary, Canada.
- 2014 Volunteer, 47th Chacmool Archaeology conference, Calgary, Canada.

Awards

- 2015 Jason Lang Scholarship

Grants

- 2019 Leiden University Fund, 1065 Euro

Memberships

- 2019–present Member, ARCHON Research School of Archaeology
- 2019–present Member, Naturvidenskab i Arkæologien (Science in Archaeology)
- 2018–present Member, Dental Anthropology Association
- 2017–present Member, British Association for Biological Anthropology and Osteoarchaeology
- 2015–present Member, American Association of Physical Anthropologists
- 2015–present Member, Paleopathology Association
- 2015 Member, Canadian Archaeological Association
- 2013–2015 Member, Chacmool Archaeology Association

Skills

Languages

Fluent reading, writing, and speaking in Danish and English. Basic Dutch reading and speaking.

IT

Windows, Linux Ubuntu, Windows Office Suite, R Statistical Software, Markdown, and LaTeX.

References

References available upon request.