

# Bjørn Peare Bartholdy

*PhD Student*

🌐 [bbartholdy](#)

🐦 [OsteoBjorn](#)

📄 [www.websaur.org](#)

✉ [bbartholdy@gmail.com](mailto:bbartholdy@gmail.com)

## 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

## Awards

- 2015 Jason Lang Scholarship

## Grants

- 2019 Leiden University Fund, 1065 Euro

## Research Interests

- Dental pathology
- Dental morphology
- Skeletal biology
- Palaeoradiology
- Palaeopathology
- Statistics

## Research Experience

- 2017–present **PhD Research**, *Leiden University*.  
Protocol development for *in vitro* dental calculus.
- 2016–2017 **MSc Thesis**, *Leiden University*.  
Analysis of dental health in non-adults from a 19th cent. Dutch population using micro-CT.
- 2014–2015 **Honours Thesis**, *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

- 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

- 2020 **Guest lecturer**, *MSc Thesis Tutorial*, Leiden University.  
Statistics
- 2018 **Teaching assistant**, *BA3 Osteoarch*, Leiden University.  
Osteoarchaeology | 10 EC
- 2016 **Visiting speaker**, *AN(th)ARKY talks*, University of Calgary.  
Vampirism and Palaeopathology

## Thesis Supervision

- 2018–2019 **MSc Human Osteology and Funerary Archaeology**, *Leiden University*.
  - Veronica Jackson
  - Mayke Bruijstens
  - Judyta Olzewski

## 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

## Administrative Experience

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

## Professional Activities

### Committees

- 2020 **Steering committee**, *ARCHON Research School of Archaeology*.
- 2019–present **Editorial Board**, *INTER-SECTION Journal*.

### Conference and Workshop Organisation

- 2020 **Organiser**, *Dental Non-Metric Workshop*, Leiden University, 9–10 March.
- 2014–2015 **Organising committee**, *Chacmool Archaeology Conference 2015*.

## Publications

- Accepted article* **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*.
- 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.

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## 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](https://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.

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## Podium Presentations

- 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.

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## 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.

## Conferences

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

## 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 Office Suite, R Statistical Software, Markdown, and LaTeX.

## References

References available upon request.