



## Curriculum Vitae

**Lukas Friedl**

### **Affiliations:**

Assistant Professor

Department of Anthropology

University of West Bohemia

Sedláčkova 15

30614 Plzeň

Czech Republic

Cell: +420 608 510 407

E-mail: [lukas.friedl@gmail.com](mailto:lukas.friedl@gmail.com)

Associated Researcher

Interdisciplinary Center for Archaeology and Evolution of Human Behaviour (ICArEHB)

Faculdade das Ciências Humanas e Sociais

Universidade do Algarve

Campus Gambelas

8005-139, Faro

Portugal

### **Education:**

2007 – 2013 Anthropology. Ph. D. programme, Department of Anthropology, Tulane University

Ph.D. 2013 Dissertation: The Femoral Shaft Waist, an Alternative Robusticity

Measure: Its Distribution, Relation to Midshaft, and Applicability to Behavioral

Reconstructions

M.A. 2010 Advisor: Trenton W. Holliday

2004 – 2006 Anthropology of Past Populations. Masters programme, Department of Anthropology, University of West Bohemia, Plzen, Czech Republic.

M.A. 2006 Thesis: Biomechanická analýza průřezů těl dlouhých kostí.  
(Biomechanical Analysis of the Long Bones Cross-Sections).  
Advisor: Vladimír Sládek

2001 – 2004 Social and Cultural Anthropology. Bachelor programme, Department of Anthropology, University of West Bohemia, Plzen, Czech Republic.

B.A. 2004 Thesis: Nejstarší osídlení Evropy homininy: Dmanisi (The Oldest Hominin Settlement of Europe: Dmanisi)  
Advisor: Vladimír Sládek

### **Academic employments:**

2013 – cont. Assistant Professor, Department of Anthropology, University of West Bohemia

2010 – 2013 Lecturer, Department of Anthropology, University of West Bohemia

2007 – 2010 Research Assistant, Department of Anthropology, Tulane University

2005 – 2006 Research and Laboratory Assistant – Dept. of Anthropology, University of West Bohemia, Plzen, Czech Republic

### **Research focus:**

- 1) Evolutionary anthropology
- 2) Bioarcheology – skeletal biomechanics and behavioral reconstructions
- 3) Human variation and adaptation
- 4) Hominin taxonomy and phylogenetics

### **Field projects:**

2012 – ongoing Lapa do Picareiro (Portugal) – Middle-Upper Paleolithic transition (with Jonathan Haws – University of Louisville, Michael Benedetti – University of North Carolina Wilmington, and Nuno Bicho – University of Algarve)

2011 Stříbro (Czech Republic) – traces of WWII mass burials

2009 Lagar Velho (Portugal) – Upper Paleolithic

2003 - 2008 Všeruby (Czech Republic) – Medieval - taphonomy

### **Publications:**

Friedl, L., Claxton, A. G., Walker, C. S., Churchill, S. E., Holliday, T. W., Hawks, J., Berger, L. R., DeSilva, J.M., Marchi, D. under review. Femoral neck and shaft structure in Homo naledi from the Dinaledi Chamber (Rising Star System, South Africa). *Journal of Human Evolution*.

Benedetti, M., Haws, J., Bicho, N., Friedl, L., Elwood, B. 2019. Late Pleistocene site formation and paleoclimate at Lapa do Picareiro, Portugal. *Geoarchaeology: An International Journal*, in Early View.

Seifert, Z, Friedl, L, Brůžek, J. 2017. Applicability and Limitations of Sex Assessment Based on Foramen Magnum. *Forensic Science International* 271:126e1-126e9.

Friedl, L, Eisová, S, Holliday, TW. 2016. Re-evaluation of Pleistocene and Holocene long bone robusticity trends with regards to age-at-death estimates and size standardization procedures. *Journal of Human Evolution* 97:109-122.

Galeta, P., Šneberger, J., Friedl, L., Pankowská, A., Jurman, K. 2015. Antropologické hodnocení. In: Dudková, V. a Orna, J. *Od špitálu ke galerii: archeologické poznání vývoje lokality „U Zvonu“ v Plzni. Západočeské muzeum v Plzni*, p. 46-53.

Šneberger, J., Pankowská, A., Jurman, K., Friedl, L., Galeta, P. 2015. Případové studie. In: Dudková, V. a Orna, J. *Od špitálu ke galerii: archeologické poznání vývoje lokality „U Zvonu“ v Plzni. Západočeské muzeum v Plzni*, p. 54-67.

Galeta, P., Šneberger, J., Friedl, L., Pankowská, A., Jurman, K., Kubátová, I. 2015. *Katalog kosterního souboru ze hřbitova u kostela Sv. Máří Magdaleny v Plzni*. Západočeská univerzita v Plzni. 252 pages.

Holliday TW, Gautney JR, Friedl L. 2014. Right for the Wrong Reasons: Reflections on Modern Human Origins in the Post-Neanderthal Genome Era. *Current Anthropology*, 55(6): 696-724.

Blažek, V, Friedl, L, Galeta, P, Pankowská, A, Sosna, D. 2014. Biological Anthropology at the Department of Anthropology, University of West Bohemia in Plzeň ([www.oba.zcu.cz](http://www.oba.zcu.cz)). *Interdisciplinaria Archaeologica Natural Sciences in Archaeology*. Vol. V (1): 85-89.

Holliday TW, Friedl L. 2013. Hominoid humeral morphology: 3D morphometric analysis. *American Journal of Physical Anthropology* 152:506-515.

Kubátová I, Friedl L, Jurman K, Lungová V, Haws J, Benedetti M. 2013. Metodologie výzkumu paleolitické jeskyně Lapa do Picareiro (Portugalsko). *Antropowebzin* 2/2013:57-65.

Tůma P, Šneberger J, Hošek R, Haws J, Benedetti M, Friedl L. 2012. Proměny přístupů studia neandrtálců - s příkladem výzkumů v Portugalsku. *Antropowebzin*(3):209-216.

Friedl, L. 2011. Confounding factors in interpreting fracture frequencies in skeletal populations. *Antropowebzin* 2/2011:91-96.

Nenutil, J, Rak, M, Friedl, L, Funk, L, Hložek, J, Marková, S, Menšík, P. 2011. Archeologický výzkum na městském hřbitově ve Stříbře. In: *Exhumace obětí II. světové války: předpoklady, východiska, výzkum*. pp. 79-82. Plzeň: Západočeská Univerzita.

Nenutil, J, Friedl, L. 2011. Exkurz – antropologické zhodnocení kosterního nálezu. In: *Exhumace obětí II. světové války: předpoklady, východiska, výzkum*. pp. 81-82. Plzeň: Západočeská Univerzita.

Sládek, V, Berner, M, Galeta, P, Friedl, L, Kudrnova, Š. 2010. Technical note: the effect of midshaft location on the error ranges of femoral and tibial cross-sectional parameters. *American Journal of Physical Anthropology* 141:325-332.

Friedl, L, Sládek, V. 2006. Fenomén migrací prvních homininů mimo Afriku. In: *Antropologické symposium IV*, pp. 244-256. Pelhřimov: Vydavatelství a nakladatelství Aleš Čeněk.

### **Conferences:**

#### *International meetings*

Benedetti, M., Haws, J., Friedl, L. 2019. Paleoclimate and site formation processes across the Middle and Upper Paleolithic at Lapa do Picareiro, Portugal. Poster presented at the Annual meeting of Paleoanthropology Society 2019, April 9 – 10, 2019, Albuquerque, NM, USA.

Haws, J., Benedetti, M., Friedl, L., Bicho, N., Cascalheira, J., Carvalho, M., Ellis, G., Zinsious, B., Talamo, S. 2019. Earlier than we thought: the Early Aurignacian technocomplex at Lapa do Picareiro (Portugal) and the arrival of modern humans in southwestern Iberia 40,000 years ago. Poster presented at the Annual meeting of Paleoanthropology Society 2019, April 9 – 10, 2019, Albuquerque, NM, USA.

Zinsious, B., Pereira, T., Benedetti, M., Friedl, L., Haws, J. 2019. Site and assemblage Integrity at Lapa do Picareiro: The Middle to Upper Paleolithic Transition in Portugal from a secure context. Poster presented at the Annual meeting of Paleoanthropology Society 2019, April 9 – 10, 2019, Albuquerque, NM, USA.

Haws, J., Benedetti, M., Friedl, L., Bicho, N., Cascalheira, J., Carvalho, M. 2018. Middle-Upper Paleolithic Transition in Southern Iberia: New Data from Lapa do Picareiro, Portugal. Poster presented at the 8th Annual Meeting of the European Society for the study of Human Evolution. September 13 – 15, 2018, Faro, Portugal.

Haws, J., Benedetti, M., Carvalho, M., Bicho, N., Cascalheira, J., Friedl, L. 2018. Understanding human adaptive responses to abrupt climate change in western Iberia during MIS 3 and 2 using multi-scale archaeological, paleoenvironmental, and paleoclimate records. Paper presented at the 18th UISPP meeting, June 3-9, Paris, France.

Haws, J., Benedetti, M., Carvalho, M., Benedetti, I., Zinsious, B., Bicho, N., Cascalheira, J., Friedl, L. 2018. Seeing short-term human occupations in the palimpsests of deeply stratified caves: An example from Lapa do Picareiro (Portugal). Paper presented at the 18th UISPP meeting, June 3-9, Paris, France.

Friedl, L., Claxton, A.G., Walker, C.S., Churchill, S.E., Holliday, T.W. Hawks, J., Berger, L.R. Desilva, J.M., Marchi, D. 2018. Femoral neck and shaft structure in *Homo naledi*. Paper presented at the 87th Annual Meeting of the American Association of Physical Anthropologists, April 11-14, Austin (TX), USA.

Holliday, T.W., Friedl, L. (2016) Body mass and femur length of *Orrorin tugenensis*. Paper presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, April 13-16, 2016, Atlanta (GA), USA.

Friedl, L., Eisová, S., Holliday, T.W. 2014. Re-evaluation of the Pleistocene and Holocene long bone robusticity trends with regards to age-at-death estimates and size standardization procedures. Poster presented at the 4th Annual Meeting of the European Society for the study of Human Evolution. September 18-20, 2014, Florence, Italy.

Haws, J.A., Benedetti, M.M., Hockett, B.S., Bicho, N.F., Friedl, L., Pereira, V., Kubátová, I., Dias, R. 2013. Lapa do Picareiro: a 50,000-year record of human occupation and environmental change in central Portugal. Paper presented at the 125<sup>th</sup> Anniversary Annual Meeting & Expo of The Geological Society of America. October 27-30, 2013, Denver, CO, USA.

Holliday, T.W., Walker, C.S., Churchill, S.E., Friedl, L., Berger, L.R. 2013. The StW 99 femur and relative lower limb length of *Australopithecus africanus*. Poster presented at 3<sup>rd</sup>

Annual Meeting of the European Society for the study of Human Evolution. September 20-21, 2013, Vienna, Austria.

Friedl L. 2012. Estimation of femoral Second Moment of Area from shaft's external dimensions (AP and ML diameters). Poster presented at 81st Annual Meeting of the American Association of Physical Anthropologists. April 11 – 14, 2012, Portland, OR.

Friedl L., Holliday T.W., Sládek V. 2010. Femoral shaft waist distribution and its relationship to mobility levels and other size/shape measures in three temporally distinct populations: Poster presented at 79th Annual Meeting of the American Association of Physical Anthropologists. April 14 – 17, 2010, Albuquerque, NM

Friedl, L., Sládek, V., Holliday, T.W. 2009. Femoral shaft waist distribution and its relationship to behavioral reconstructions in fossil hominins. Poster presented at Annual Meeting of Paleoanthropology Society, March 31 – April 1, 2009, Chicago (IL).

Holliday, T.W., Friedl, L. 2009. Hominoid humeral allometry: implications for human paleontology. Poster presented at Annual Meeting of Paleoanthropology Society, March 31 – April 1, 2009, Chicago (IL).

Sládek, V., Berner, M., Friedl, L. 2008. The error of midshaft cross-sectional location on human femora. Poster presented at 77th Annual Meeting of the American Association of Physical Anthropologists, April 9 – 12, 2008, Columbus (Ohio).

Sládek, V., Galeta, P., Sosna, D., Čechura, M., Friedl, L. 2006. Impact of Pathology on Taphonomy of Human Burials: Covered Space versus Delineated Empty Space Assessment. Poster presented at the 71st Annual Meeting of the Society for American Archaeology, April 26 – April 30, 2006, San Juan, Puerto Rico.

### Local meetings

Tonar, Z., Friedl, L., Blažek, V. 2018. Evolution and diversity of human populations – experience with an elective course broadening the core curriculum. Paper presented at the conference „Morphology“ 2018. September 6 – 8, 2018, Jihlava, Czech Republic.

Sosna, D., Galeta, P., Friedl, L. 2013. Otevírání očí versus tyranie etnografie: způsoby využití etnografických dat při studiu minulosti. Paper presented at "Archeologie & Antropologie: studium archaické kultury a společnosti" conference, November 28, 2013, National museum, Praha, Czech Republic.

Tůma, P., Hošek, R., Šneberger, J., Brůžek, J., Haws, J., Benedetti, M. a Friedl, L. 2012. Recentní přístupy ke studiu neandertálců. Paper presented at "Mladá antropologie - 8. international student conference of AntropoWeb", October 18-19, 2012, University of West Bohemia, Plzeň, Czech Republic.

Hložek, J., Farkašová, K., Friedl, L., Funk, L., Marková, S., Menšík, P., Nenutil, J., Rak, M. 2011. Pohřební areály novověku i současnosti jako zdroj poznání kulturních změn a norem. Poster presented at the conference Archeologie modernity, 1. – 2. December, 2011, Plzeň, Czech Republic.

Kryštuf, P., Friedl, L., Galeta, P. 2011. Pohřební aktivity na lokalitě Dobešice – „Na hrůbatech“ (okr. Písek): spolupráce archeologie a antropologie. Paper presented at the Archeologie & Antropologie conference, November 16, 2011, Národní muzeum, Praha, Czech Republic.

Galeta, P., Sosna, D., Friedl, L., Sládek, V. 2011. Počítačová podpora v antropologii: období 2001-2011. Paper presented at „Počítačová podpora v archeologii“ conference. 18. - 20. 5. 2011, Dalešice, Czech Republic.

Friedl L. 2010. Confounding factors in interpreting fracture frequencies in skeletal populations. Paper presented at the „Perspektivy studia minulých populací“ conference. November 30, 2010, Plzeň, Czech Republic.

Friedl, L., Sládek, V. 2004. Dmanisi: první migrace homininů mimo Afriku. III. antropologické symposium, September 2 - 3, 2004, Plzeň, Czech Republic.

### **Professional societies**

American Association of Physical Anthropologists: member, 2007 – present



European Society for the study of Human Evolution: member, 2014 - present

Paleoanthropology society: member, 2008 – present

### **Grants and Fellowships awarded**

- 2018: Lapa do Picareiro: Lapa do Picareiro: student field experience on a collaborative research into the Middle to Upper Paleolithic transition on the Iberian peninsula. Grant Agency of the University of West Bohemia (grant number: SGS-2018-033). Principal investigator. 358260 CZK.
- 2017: Collaborative Research: Inquiry into the Origins of Modern Human Distributions. National Science Foundation (grant number: 1724997). Senior Personnel. \$281,358
- 2016: Reconstruction of past populations' life histories: students' field activities. University of West Bohemia Grant Agency (grant number: SGS-2016-028). Principal investigator: 624000 CZK (~\$26000).
- 2015: A fieldwork on the Paleolithic cave site of Lapa do Picareiro (Portugal). University of West Bohemia Grant Agency (grant number: SGS-2015-010). Principal investigator. 175000 CZK (~\$7,230).
- 2014: Collaborative Research: Neanderthal and Modern Human Response to Environmental Change at the Middle-Upper Paleolithic Transition, Lapa do Picareiro, Portugal. National Science Foundation (grant number: 1420299). Co-Principal Investigator (with Jonathan Haws and Michael Benedetti). \$251,628.
- 2014: A fieldwork on the Paleolithic cave site of Lapa do Picareiro (Portugal). University of West Bohemia Grant Agency (grant number SGS-2014-025). Principal investigator. 130000 CZK (~\$6,500).
- 2013: Student mobility: Paleolithic excavations at Lapa do Picareiro (Portugal). University of West Bohemia Grant Agency (grant number SGS-2013-059). Principal investigator. 94000 CZK (~\$4,700).
- 2012: Technologies for Research of Contemporary and Past Societies. European Union (grant number: OPVK NOTES CZ.1.07/2.3.00/20.0135). Coordinator

- and investigator of key activity 4 – Microscopic study of traces of human behavior. 5460000 CZK (~\$273,000).
- 2012: Student mobility: Paleolithic excavations at Lapa do Picareiro (Portugal). University of West Bohemia Grant Agency (grant number SGS-2012-018). Principal investigator. 87000 CZK (~\$4,620).
- 2012: The hierarchization of the Bronze Age society and its reflections in burial practices. University of West Bohemia Grant Agency (grant number SGS-2012-033). Co-investigator. 100000 CZK (~\$5,000)
- 2012: School of Liberal Arts Dean's office Summer Merit Fellowship, Tulane University. \$3,500.
- 2012: Provost's Office Graduate Student Travel Grant, Tulane University. \$400.
- 2011 Exhumation of the WWII victims: an interdisciplinary approach; Co-investigator, University of West Bohemia.
- 2007 – 2010: Graduate Fellowship (tuition included), Department of Anthropology, Tulane University. \$163,000.
- 2010: Provost's Office Graduate Student Travel Grant, Tulane University. \$400.
- 2009: GSSA Conference Travel Award, Tulane University. \$500.
- 2008: Conference Travel Award, Department of Anthropology, Tulane University. \$850.
- 2008: Research Grant, Department of Anthropology, Faculty of Philosophy, University of West Bohemia, Pilsen, Czech Republic. 3825 CZK (~\$190).
- 2007: GSSA Conference Travel Award, Tulane University. \$720
- 2006: Research Grant, Department of Anthropology, Faculty of Philosophy, University of West Bohemia, Pilsen, Czech Republic. 4000 CZK (~\$200).
- 2003 - 2005: Research Grant, Department of Social and Cultural Anthropology, Faculty of Humanities, University of West Bohemia, Pilsen, Czech Republic. 4000 CZK (~\$200).