

Curriculum Vitae

Name	Zuzana Hofmanová
Birth name	Fajkošová
Born	December 5, 1987
Birth place	Nové Město na Moravě, Czech Republic
Nationality	Czech Republic
Address	Chemin du Musée 10, 1700 Fribourg, Switzerland
E-mail	zuzana.hofmanova@unifr.ch



Education

PhD in Palaeogenetics Group *magna cum laude* 2012 - 2016
Institute of Anthropology, Johannes Gutenberg University, Mainz, Germany
 PhD Thesis: Palaeogenomic and biostatistical analysis of ancient DNA data from Mesolithic and Neolithic skeletal remains

Master's Degree in Anthropology and Human Genetics *summa cum laude* 2010 - 2012
Faculty of Science, Charles University, Prague, Czech Republic
 Master Thesis: Population Structure of African Populations Inferred from Alu Insertions
 (grant: GA206/08/1587)

Bachelor's Degree in Anthropology	2007 - 2010
<i>Faculty of Science, Masaryk University, Brno, Czech Republic</i>	
Bachelor Thesis: Influence of Soil Composition on Conservation of Genetic Information in Skeletal Remains of Ancient Populations	
Concurrent study of Bachelor's Program in Archaeology at Faculty of Arts	

School-leaving examination <i>graduated with honours</i>	2007
<i>Grammar School at 14 třída Kapitána Jaroše, Brno, Czech Republic</i>	

Work experience

Postdoctoral Researcher (PI: Daniel Wegmann) since 02/2017
Department of Biology, University of Fribourg, Fribourg, Switzerland
 EMBO Fellowship Project: Characterizing the social revolution associated with the introduction of farming with ancient DNA

Early Stage Researcher (PI: Joachim Burger) 06/2012 - 06/2015
Institute of Anthropology, Johannes Gutenberg University, Mainz, Germany
 BEAN (Bridging the European and Anatolian Neolithic)
 Marie Curie Initial Training Network (FP7, European Commission)

Research Secondment in Population Genomics (PI: Mathias Currat) 09/2014 - 12/2014
Laboratory of anthropology, genetics and peopling history, Department of Genetics and Evolution, University of Genève, Genève, Switzerland

Research Trainee in Genetic Diversity Research Group (PI: Luísa Pereira) 09/2011 - 01/2012
Institute of Molecular Pathology and Immunology of the University of Porto, Porto, Portugal

Research Trainee in Biodiversity Research Group (PI: Pavel Munclinger) 11/2010 - 07/2011
Department of Zoology, Faculty of Science, Charles University, Prague, Czech Republic

Research Trainee in Laboratory of Archaeogenetics (PI: Viktor Černý) 09/2010 - 07/2012
Institute of Archaeology of the Academy of Sciences, Prague, Czech Republic

Archaeological Excavation Laboratory Assistant 2009 - 2010
Těšetice-Kyjovice, Czech Republic

Pedochemical field detection of phosphate and iron residues during summer excavation seasons.

Archaeological Excavation Co-supervisor 06/2009 - 08/2009
Těšetice-Kyjovice, Czech Republic

Honours and Professional Associations

Appointment to Early Career Scientist Steering Committee 2018-2019
Early Career Scientist Leadership Program, Genetics Society of America

eLife Ambassador (initiatives in reproducibility, diversity and open science) 2018-2019
Early-Career Advisory Group, eLife

Mentee in The GENETICS Peer Review Training Program 2017-2018
Genetics Society of America and GENETICS

Membership of Gutenberg Academy for Young Researchers 2014-2016
Johannes Gutenberg University, Mainz, Germany

Scholarship for 18th Summer Institute in Statistical Genetics 2013
University of Washington, Seattle, USA

Scholarship for Exceptional Study Results for year 2010-2011 2011
Charles University, Prague, Czech Republic

5 Scholarships for Outstanding Work for University 2008 - 2010
Masaryk University, Brno, Czech Republic

Publications

Veeramah KR, Rott A, Groß M, van Dorp L, López S, Kirsanow K, Sell C, Blöcher J, Wegmann D, Link V, **Hofmanová Z** et al. (2018) Population genomic analysis of elongated skulls reveals extensive female-biased immigration in Early Medieval Bavaria. *PNAS* in press.

Unterländer M, Palstra F, Lazaridis I, Pilipenko A, **Hofmanová Z** et al. (2017) Ancestry and demography and descendants of Iron Age nomads of the Eurasian Steppe. *Nature Commun* 8:14615.

Broushaki F, Thomas MG, Link V, Lopez S, van Dorp L, Kirsanow K, **Hofmanová Z** et al. (2016) Early Neolithic genomes from the eastern Fertile Crescent. *Science* 353(6298):499–503.

Hofmanová Z et al. (2016) Early farmers from across Europe directly descended from Neolithic Aegeans. *Proc Natl Acad Sci USA* 113(25):6886–6891.

Fernandes V, Triska P, Pereira JB, Alshamali F, Rito T, Machado A, **Fajkošová Z** et al. (2015) Genetic stratigraphy of key demographic events in Arabia. *PLoS ONE* 10(3):e0118625.

Bollongino R, Nehlich O, Richards MP, Orschiedt J, Thomas MG, Sell C, **Fajkošová Z** et al. (2013) 2000 years of parallel societies in Stone Age Central Europe. *Science* 342(6157):479–81.

Petřík J, Prokeš L, Humpola D, **Fajkošová Z** et al. (2012) Pedogeochemical investigation of the Bell Beaker Culture graves from sites Hodonice and Těšetice-Kyjovice, South Moravia ed. Kolář, J. Trampota F. (Archaeopress, Oxford), pp. 45–64.

Kuča M, Trampota F, Kazdová E, Prokeš L, Petřík J, Kolář, J, **Fajkošová Z**. (2010) Kyjovice (okr. Znojmo) Sutny. Přehled výzkumů (AÚ AV ČR Brno) 51(1-2):315–318.

Presentations

Hofmanová Z. (2017) Early farmers from across Europe directly descended from Neolithic Aegeans. (Paper presented at biology17, Bern, Switzerland).

Hofmanová Z. (2016) Early farmers from across Europe directly descended from Neolithic Aegeans (Paper presented at BEAN Closing Meeting, Antalya, Turkey).

Hofmanová Z. (2015) Palaeogenomic and biostatistical analysis of ancient DNA data from Mesolithic and Neolithic skeletal remains (Invited for Department of Biology Seminar, University of Fribourg, Switzerland).

Fajkošová Z. (2015) Biostatistical analysis of ancient DNA data from Mesolithic and Neolithic skeletal remains (Invited for Mark Thomas Group Seminar, UCL, London, United Kingdom).

Fajkošová Z. (2015) Palaeogenomic and biostatistical analysis of ancient DNA data from Mesolithic and Neolithic skeletal remains from Serbia and Anatolia (Paper presented at BEAN Midterm Meeting, Heidelberg, Germany).

Fajkošová Z et al. (2014) Filter and variant call comparison on high to low coverage ancient nuclear data (Paper presented at ISBA 2014, Basel, Switzerland).