

# Curriculum Vitae

Name Zuzana Hofmanová  
Birth name Fajkošová  
Born December 5, 1987  
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## 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)

## 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  
*Faculty of Science, Masaryk University, Brno, Czech Republic*  
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 *graduated with honours* 2007  
*Grammar School at 14 třída Kapitána Jaroše, Brno, Czech Republic*

## Honours and Professional Associations

Appointment to Early Career Scientist Steering Committee <i>Early Career Scientist Leadership Program, Genetics Society of America</i>	2018-2019
eLife Ambassador (initiatives in reproducibility, diversity and open science) <i>Early-Career Advisory Group, eLife</i>	2018-2019
Mentee in The GENETICS Peer Review Training Program <i>Genetics Society of America and GENETICS</i>	2017-2018
Membership of Gutenberg Academy for Young Researchers <i>Johannes Gutenberg University, Mainz, Germany</i>	2014-2016
Scholarship for 18th Summer Institute in Statistical Genetics <i>University of Washington, Seattle, USA</i>	2013
Scholarship for Exceptional Study Results for year 2010-2011 <i>Charles University, Prague, Czech Republic</i>	2011
5 Scholarships for Outstanding Work for University <i>Masaryk University, Brno, Czech Republic</i>	2008 - 2010

## Teaching

Population Genetics <i>Bachelor program in Biology, University of Fribourg, Fribourg, Switzerland</i> Teaching Assistant of Prof Daniel Wegmann	since 2017
Computer Skills for Biologists (Module 4.2: Palaeo-population genetics) <i>Master program in Anthropology, Johannes Gutenberg University, Mainz, Germany</i> Responsible for organisation and teaching of the sub-module under supervision of Prof Joachim Burger	2013 - 2015
Population Genetics <i>Bachelor program in Biology, Johannes Gutenberg University, Mainz, Germany</i> Teaching Assistant of Prof Joachim Burger	2012 - 2013

## Trainee experience

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*

## 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. *Proc Natl Acad Sci USA* 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.

Čížková M, **Hofmanová Z** et al. (2017) Alu insertion polymorphisms in the African Sahel and the origin of Fulani pastoralists. *Annals of human biology* 44 (6), 537-545

Černý V, **Hofmanová Z** et al. (2017) Review of the population genetics of European prehistory. *Archeologické Rozhledy* 69 (3):331-360.

**Hofmanová Z** (2016) Palaeogenomic and Biostatistical Analysis of Ancient DNA Data from Mesolithic and Neolithic Skeletal Remains. Doctoral Thesis. Johannes Gutenberg-Universität Mainz.

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.