

CURRICULUM VITAE

Šárka Bejdová

Born: 8. 11. 1981, Mladá Boleslav, Czech Republic
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Education

- 2015** RNDr., major: Anthropology and Human Genetics
Charles University in Prague, Faculty of Science
- 2006 - 2015** Ph.D., major: Anthropology and Human Genetics
Charles University in Prague, Faculty of Science
Dissertation: Changes of the facial skeleton in Central Europe during the last 1200 years
- 2001 – 2006** Msc, major: Biology
Charles University in Prague, Faculty of Science
Master thesis: Health condition and dental morphological traits among the Knovíz culture population during the late period of the Bronze Age
- 1997 – 2001** Grammar school Na Pražačce (Nad Ohradou 2825/23, Praha 3 – Žižkov, Czech Republic).

Employment

- From 2016** Academic staff
Department of Anthropology and Human Genetics, Faculty of Science, Charles University in Prague, Viničná 7, 128 43, Praha 2, Czech Republic
- 2008 - 2016** Researcher
Department of Anthropology and Human Genetics, Faculty of Science, Charles University in Prague, Viničná 7, 128 43, Praha 2, Czech Republic
- 2013 - 2015** Curator
Department of Anthropology, National Museum, Václavské náměstí 68, 115 79 Praha 1, Czech Republic

Research grants and projects

Principal investigator

- 2011 – 2012** Microevolution of cranial facial part during the latest 1200 years using methods of 3D geometric morphometrics, Charles University Grant Agency (GA UK 309611).

Co-investigator

- 2017** Životní styl a identita velkomoravské aristokracie: archeologická a bioarcheologická analýza dokladů nejvyšších elit v Mikulčicích (GAČR 17-01878S, 2017–2019) (principal investigator: PhDr. Lumír Poláček, CSc., co-investigator: prof. RNDr. Jaroslav Brůžek, CSc., Ph.D., HDR).
- 2015** Mikrovzorkování v analýze stabilních izotopů: výživa a zdravotní stav nedospělé populace z lokality Solnice, Internal scientific project of the National Museum, Prague (principal investigator Msc. Sylva Kaupová).
- 2015** Longitudinal evaluation of the face in healthy children and patients with established syndromes: detection of deviations in facial morphology, Charles University Grant Agency (GA UK 309611) (principal investigator Msc. Šárka Mesteková).
- 2013 - 2015** Applied research and development of national and cultural identity programme (in short, “NAKI”), National Museum, Prague.
- 2008 – 2010** Centralized Development Project C37/3 from the Ministry of Education, Youth and Sports of the Czech Republic, foundation of Laboratory of 3D Visualization and Analytical Methods (principal investigator RNDr. Jana Velemínská, Ph.D.).
- 2011** Centralized Development Project C55 from the Ministry of Education, Youth and Sports of the Czech Republic, foundation of Laboratory of 3D Visualization and Analytical Methods (principal investigator RNDr. Jana Velemínská, Ph.D.).

Conferences

Bejdová, Š., Dupej, J., Velemínská, J., Poláček, L., Velemínský, P. (2017): Sexual dimorphism of the upper face, mandible and palate in elite of early medieval population from the Central Europe, 85th Annual Meeting of American Association of Physical Anthropologists, New Orleans, March 17.-19., 2017.

Hoffmanova, E., **Bejdová, Š., Borský, J., Dupej, J., Cagáňová, V., Velemínská, J. (2016):** Palatal growth in complete unilateral cleft lip and palate patients following neonatal cheiloplasty. 23rd Congress of the European Association for Cranio Maxillo-Facial Surgery, London, Great Britain, September 13. - 16., 2016.

Bejdová, Š., Dupej, J., Krajíček, V., Velemínská, J., Velemínský, P. (2015): Population-specificity and sexual dimorphism of the upper facial skeleton. 7th European Academy of Forensic Science Conference, Prague, Czech Republic, September 6. – 11., 2015

Bejdová, Š., Krajíček, V., Velemínská, J., Horák, M., Velemínský, P. (2012): Microevolution of upper face in the area of Central Europe during the latest 1200 years. 18th Congress of the European Anthropological Association, Ankara, Turkey, September 3. - 6., 2012.

Bejdová, Š., Krajíček, V., Velemínská, J., Horák, M., Velemínský, P. (2011): Microevolution of mandible in the area of Central Europe during the latest 1200 years using methods of 3D geometric morphometrics. 9. Internationaler Kongress der Gesellschaft für Anthropologie (GfA), Schloss Gottorf, Schleswig-Holstein, Germany, September 12. – 16., 2011.

Krajíček, V., **Bejdová, Š.**, Velemínská, J., Pelikán, J. (2011): Improving B-spline deformation based fitting for volume registration. 31st conference on geometry and graphics Malá Morávka, Czech Republic, September 5. – 8., 2011.

Bejdová, Š., Krajíček, V., Velemínská, J., Bejda, P., Velemínský, P. (2010): Tvar dolní čelisti u velkomoravské populace za využití metod 3D geometrické morfometrie. Antropologické dni v Budmericiach, Budmerice, Slovakia, June 16. – 18., 2010.

Bejdová Š., Velemínská J., Trefný P., Peterka M. (2009): A three-dimensional geometric morphometric study of palatal shape in patients with bilateral complete cleft and palate. V. Mezinárodní antropologický kongres Aleše Hrdličky "Quo vadis homo...societas humana?", Praha, Humpolec, Czech Republic, September 2.–5., 2009.

Bejdová Š., Velemínská J., Trefný P., Peterka M. (2009): A three-dimensional geometric morphometric study of palatal shape in patients with bilateral complete cleft and palate. I Iberian Symposium on Geometric Morphometrics, Barcelona, Spain, July 23. – 25., 2009.

Bejdová, Š., Velemínský, P. (2008): Dentální morfologické variety u populace knovízské kultury z mladší doby bronzové. 4. Memoriál prof. J. Matiegky a prof. J. Malého - Antropologie 21. století, Praha, Mělník, Czech Republic, October 2. – 3., 2008.

Scholarships

- 2015** Integration and modularity with Geometric Morphometrics, Institut Català de Paleontologia, Barcelona, Španělsko, instructor: Chris Klingenberg, April 7. – 10., 2015.
- 2012** 3D Geometric Morphometrics course, Institut Català de Paleontologia, Barcelona, Spain, instructor: Melissa Tallman, January 10. – 13., 2012.
- 2011** Geometric Morphometrics Workshop, Telč, Czech Republic, instructors: Chris Klingenberg and Emma Sherratt, July 11. – 14., 2011.
- 2008** Geometric morphometrics workshop: An introduction for biologists. Hull York Medical School, York, Great Britain, instructors: Andrea Cardini and Sarah Elton, October 22. – 24., 2008.

Teaching experience

Charles University in Prague, Faculty of Science:

Form 2017 Human anatomy II (MB110P04B; graduate course; 33%)

From 2014 Dental anthropology (MB110P58; graduate course; 42%).

From 2013 Anthropology (MB110P03; undergraduate course; 17%).

From 2013 Recapitulation of biology according to FEP G III (MB180P27; undergraduate course; 8%).

From 2012 Practicum from Anthropology (MB110P82; undergraduate course; 17%).

From 2008 3D display methods used in anthropology (MB110C77; graduate course 17%).

Other scientific and organizational experience

- From 2015** Participation in expeditions of Czech Institute of Egyptology at Abusir (Egypt), processing of anthropological skeletal remains.
- 2015** Revision for the journal with impact factor HOMO - Journal of Comparative Human Biology
- From 2009** Departmental coordinator of international study PPL Erasmus and Erasmus + programme, Department of Anthropology and Human Genetics, Faculty of Sciences, Charles University in Prague.
- From 2006** Inspection and inventorying of anthropological skeletal remains; creating of electronic database of anthropological museum collection of National Museum (Head RNDr. Petr Velemínský, PhD).

Publications

Bejdová, Š., Dupej, J., Krajíček, V., Velemínská, J., Velemínský, P. (2017): Stability of upper face sexual dimorphism in Central European populations (Czech Republic) during the Modern Age. *International Journal of Legal Medicine*: 1-10, in press.

Hoffmannová, E., **Bejdová, Š.**, Borský, J., Dupej, J., Cagaňová, V., Velemínská, J. (2016): Palatal growth in complete unilateral cleft lip and palate patients following neonatal cheiloplasty: Classic and geometric morphometric assessment. *International Journal of Pediatric Otorhinolaryngology* 90, 71-76.

Rusková, H., **Bejdová, Š.**, Peterka, M., Krajíček, V., Velemínská, J. (2014): 3-D shape analysis of palatal surface in patients with unilateral complete cleft lip and palate. *Journal of Cranio-Maxillo-Facial Surgery* 42: e140-e147.

Bejdová, Š., Krajíček, V., Velemínská, J., Horák, M., Velemínský, P. (2013): Changes in the sexual dimorphism of the human mandible during the last 1200 years in Central Europe. *HOMO - Journal of Comparative Human Biology* 64: 437–453.

Bejdová, Š., Krajíček, V., Peterka, M., Trefný, P., Velemínská, J. (2012): Palatal shape and size variability in patients with bilateral complete cleft lip and palate using dense surface model construction and 3D geometric morphometrics. *Journal of Cranio-Maxillofacial Surgery* 40: 201-208.

Bejdová, Š., Krajíček, V., Velemínská, J., Horák, M., Velemínský, P. (2011): Microevolution of mandible in the area of Central Europe during the latest 1200 years using methods of 3D geometric morphometrics. *Anthropologischer Anzeiger* 68/4 (Meeting Abstract: 6): 487-488.

Krajíček, V., **Bejdová, Š.**, Velemínská, J., Pelikán, J. (2011): Improving B-spline deformation based fitting for volume registration. In Lávička, M., Němec, M., editors. *Proceedings of the 31st conference on geometry and graphics. Vysoká škola báňská – Technická univerzita Ostrava, Ostrava*: 139–154.

Bejdová, Š., Velemínská, J., Bejda, P., Horák, M., Velemínský, P. (2010): Tvar dolní čelisti u velkomoravské populace za využití metod 3-D geometrické morfometrie. *Slovenská antropológia*, 13/1: 1-5.

Bejdová, Š., Velemínský, P. (2008): Zdravotní stav chrupu populace knovízské kultury. In Beneš, J., Pokorný, P, editors. Bioarchelogie v České republice. Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta, Archeologický ústav Akademie věd České republiky, Praha, p 241-266.

Bejdová, Š., Velemínský, P. (2008): Morfologická variabilita dentálních znaků u populace knovízské kultury. Sborník HMČ UK 7: 19-21.