

RESUME

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RESPONSABILITIES

Curator of modern human remains, MNHN
Co-coordinator of the 2D/3D Imaging Lab MH@SU

APPOINTMENTS

Since 2006 Maître de conférences
Muséum national d'Histoire naturelle
Musée de l'Homme, Paris

2002-2006 Senior Research Associate, **Anthrotech Inc**,
Yellow Springs OH

2001-2002 Adjunct assistant professor, Dept. of Anthropology
Queens College / Lehman College, City University of New York
Queens and Bronx, NY

2000-2002 Postdoctoral fellow, American **Museum of Natural History**
New York, NY

EDUCATION

1998 PhD Physical Anthropology
Université Bordeaux 1

1994 Master of Arts
Johannes Gutenberg-Universität Mainz, Germany

DISTINCTIONS

2010 NIOSH Alice Hamilton award for Occupational Safety and Health
2005 International Arch T. Colwell Merit Award of the SAE
for outstanding technical and professional merit
1999 Student Prize GfA (German Anthropological society)

Publications

- Debelmas, A., Ketoff, S., Lanciaux, S., Corre, P., **Friess**, M., Khonsari, R.H. 2019. Reproducibility assessment of Delaire cephalometric analysis using reconstructions from computed tomography. *J. Stomatol Oral maxillofac surgery*, 19: 30119-3
- Sandy, R., Hennocq, Q., Nysjö J., Giran, G., **Friess**, M., Khonsari, R.K. 2018. Orbital shape in intentional skull deformations and adult sagittal craniosynostoses. *Journal of Anatomy* 233(3): 302-310.
- Cottin, M., Khonsari, R.H. & **Friess**, M. 2017. Assessing cranial plasticity in humans: The impact of artificial deformation on masticatory and basicranial structures. *C.R. Palevol*, vol. 16, n. 5-6: 545–556.
- Galland, M. & **Friess**, M. 2016. A three-dimensional geometric morphometrics view of the cranial shape variation and population history in the New World. *Amer. J. Hum. Biol.* DOI: 10.1002/ajhb.22845
- Ketoff, S. Girinon, F. Schlager, S., **Friess**, M., Schouman, T., Rouch, P., Khonsari, R.K. 2016. Zygomatic bone shape in intentional cranial deformations: a model for the study of the interactions between skull growth and facial morphology. *Journal of Anatomy* 230(4): 524-531.
- Friess, M. 2015. Within-population variation of cranial size, shape and sexual dimorphism: A global perspective on the Oberkassel double burial. In: Giemsch, L. & Schmitz, R.W. (eds.): *The Late Glacial Burial from Oberkassel Revisited*, p151-160. Verlag Philipp von Zabern, Darmstadt.
- Katz, D. & **Friess**, M. 2014. Technical Note: 3D From Standard Digital Photography of Human Crania – A Preliminary Assessment. *Amer. J. Phys. Anth.* 154(1):152-158.
- Kustár, Á., Forró, L., Kalina, I., Fazekas, F., Honti, S., Makra, S. & **Friess**, M. 2013: FACE-R – 3D database of 400 living individuals' full head CT- and face scans for craniofacial reconstruction. *J. Forensic Sci* 58,6: 1420-1428.
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- Friess, M. 2012: Scratching the surface? The use of surface scanners in physical anthropology. *J. Anthropol. Sci.* 90: 1-26.
- Khonsari, R.H., **Friess**, M., Corre, P., Nysjö, J., Salagnac, J.M., Cabanis, E.A.M. & Charlier, P., 2011. Les déformations intentionnelles du crâne: approche pathographique. In: 3ème Colloque International de Pathographie, Bourges, avril 2009. Actes publiés sous la direction de Philippe Charlier. De Boccard, Paris. pp 163-174.
- Friess, M. 2010. Parietal expansion during later hominin evolution, and the validity of *H. heidelbergensis* – A quantitative approach. *Bull. Schweiz. Ges. Anthropol.* 16 (1-2): 55-62.
- Friess, M. 2010. Calvarial shape variation among Middle Pleistocene hominins - An application of surface scanning in paleoanthropology. *CR Palévol* 9: 435-443.
- Slizewski, A., **Friess**, M. & Semal, P. 2010. Surface scanning of anthropological specimens: nominal-actual comparison with low cost laser scanner and high end fringe light projection surface scanning systems. *Quartär* 57: 179-187.
- Hsiao, H., **Friess**, M., Bradtmiller, B. & Rohlf, F.J. 2009. Development of sizing structure for fall arrest harness design. *Ergonomics* 52(9): 1366-5847.
- Hublin, J.J., Pääbo, S., Derevianko, A.P., Doronichev, V.B., Golovanova, L.V., **Friess**, M., Foment, A., Hoffmann, A., Kachahce, N.E.J., Kullmer, O., Lordkipanidze, D., Moncel, M.H., Potts, R., Radovic, J., Rak, Y.Z., Richards, M., Mendez, J.R., Rosas, A., Schmauder, M., Schmitz, R.W., Semal, P., Smith, T., Tafuri, M.A., Tattersall, I., Tournepiche, J.F., Toussaint, M., Vassiliev, S., Vialet, A., White, T. & Ziegler, R. 2008. Suggested guidelines for invasive sampling of hominid remains. *J. Hum. Evol.* 55: 756-757.
- Friess, M. 2006. The study of craniofacial growth patterns using 3D laser scanning and geometric morphometrics. In: Corner, BD; Li, P & Tocheri, M (eds): *Three-Dimensional Image Capture and Applications*. Proceedings SPIE , Vol 6056 DOI: 10.1117/12.654898.

- Friess, M. 2005. Multivariate accommodation models using traditional and 3D anthropometry. *SAE 2005 Transactions Journal of Passenger Cars: Electronic and Electrical Systems*: 859-862.
- Baylac, M. & Friess, M. 2005. Combining Procrustes Superimposition and Fourier descriptors: Analysis of midsagittal cranial outlines. In DE Slice (ed.): *Modern Morphometrics in Physical Anthropology*. Kluwer: 145-165.
- Friess, M., Rohlf, F.J. & Hsiao, H. 2004. Quantitative assessment of human body shape using Fourier analysis. In: Brian D. Corner, Peng Li, Roy P. Pargas (Eds.): *Three-Dimensional Image Capture and Applications VI* p. 117-124.
- Friess, M. & Corner, B.D. 2004. From XS to XL: Statistical Modeling of Human Body Shape Change using 3D Surface Scans. *SAE 2004 Transactions, Journal of Aerospace, Volume 1*: 215-220.
- Friess, M. & Bradtmiller, B. 2003. 3D Head Models for Protective Helmet Development. *SAE Technical Paper Series 2003-01-2176*. doi:10.4271/2003-01-2176.
- Friess, M. 2003. An application of the relative warps analysis to problems in human paleontology - with notes on raw data accuracy. *Image analysis and stereology* 22: 63-72.
- Friess, M. & Baylac M. 2003. Exploring artificial cranial deformation using Elliptic Fourier Analysis of Procrustes aligned outlines. *Am. J. Phys. Anthropol.* 122 (1): 11-22.
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- Castex, D. & Friess, M. 2001. Ein Pestsommer in der Provence. Demographische Anomalien im Zusammenhang mit Epidemien. In A Kemkes-Grottenthaler & W Henke (eds.) *Pein und Plagen. Aspekte einer Historischen Epidemiologie*. Edition Archaea, Frankfurt a. M. pp 97-108.
- Friess, M. 1999b. Some aspects of Cranial Size and Shape, and Their Variation among Later Pleistocene Hominids. *Anthropologie (Brno)* 37,3: 231-238.
- 1999a. Taille et conformations crâniennes chez les Hominidés de la fin du Pléistocène. *Contributions de la morphométrie géométrique au débat sur l'origine de l'homme moderne*. BAR International Series 799, Oxford: 241 p.
 - 1997c. Origine de l'Homme moderne : l'apport de la morphométrie géométrique. *Bull. Soc. Anthropol. Sud-Ouest* 32/3-4: pp 67-93.
 - 1997b. Analyses de formes crâniennes fondées sur la photogrammétrie. *Biom. Hum. et Anthropol.* 15(1-2) : 19-22.
 - 1997a. Innovative Ansätze zur Erfassung osteomorphometrischer Daten. *Bull. Soc. Suisse d'Anthrop* 1, 3: 37-54.