

RESUME

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APPOINTMENTS

- Since 2006** Maître de conférences (assistant/associate professor)
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

- 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.
- 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.
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- 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.

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- 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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- 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 crânienne 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.