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Curriculum Vitae

ROBERT G. FRANCISCUS

Professor of Anthropology

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RESEARCH INTERESTS

- Paleoanthropology: fossil *Homo*, Neandertals, and early modern humans
- Naso-facial variation and climatic adaptation in fossil and living humans
- Neandertal craniofacial anatomy: biomechanical, climatic, and non-adaptive models
- Modern human craniofacial reduction and self-domestication
- Neandertal rib morphology and thoracic form: respiration, activity, upper body shape
- Skeletal biology, human osteology, morphometrics

EDUCATIONAL AND PROFESSIONAL HISTORY

Higher Education

- 1995 Ph.D. Anthropology, University of New Mexico
(Dissertation: *Later Pleistocene Nasofacial Variation in Western Eurasia and Africa and Modern Human Origins*; Chair, Erik Trinkaus)
- 1987 M.A. Anthropology, University of New Mexico
- 1985 B.A. Anthropology, Texas A&M University

Professional Academic Positions (Primary)

- 2012-present Professor (tenured): Department of Anthropology, University of Iowa
- 2004-2011 Associate Professor (tenured): Department of Anthropology, University of Iowa
- 1998-2003 Assistant Professor: Department of Anthropology, University of Iowa
- 1997 Assistant Professor (non-tenure-track): Department of Anthropology, Stanford University
- 1995-1996 Lecturer: Department of Anthropology, Stanford University

Professional Academic Positions (Secondary)

- 2018-2019 Associate Chair: Department of Anthropology, University of Iowa
- 2016 Chair (fall): Department of Anthropology, University of Iowa
- 2012-present Professor: Department of Orthodontics, University of Iowa
- 2010-2013 Associate Chair: Department of Anthropology, University of Iowa
- 2009-2011 Associate Professor: Department of Orthodontics, University of Iowa
- 2006-2008 Director of Graduate Studies: Department of Anthropology, University of Iowa
- 1997 Resident Fellow: Residential Education Program (Human Biology), Stanford University
- 1987-1994 Teaching Assistant/Associate: Department of Anthropology, University of New Mexico

Editorial Positions

- 2015-2019 Editorial Board: *Human Evolution*, International Institute for Humankind Studies, Firenze
- 2010-2012 Book Review Editor: *American Journal of Physical Anthropology*
- 2006-2008 Associate Editor: *Journal of Human Evolution*

Professional Memberships

- 2014-present Iowa Institute of Human Genetics, University of Iowa
- 2014-present UCSD/Salk Center for Academic Research and Training in Anthropogeny
- 2012-present European Society for the study of Human Evolution
- 2002-2009 Neuroscience Ph.D. Program, University of Iowa
- 2001-present International Programs European Studies Group, University of Iowa
- 1999-present American Association for the Advancement of Science
- 1997-present Paleoanthropology Society
- 1986-present American Association of Physical Anthropologists

Honors and Awards (National)

- 2014 Elected Fellow, American Association for the Advancement of Science

Honors and Awards (Institutional)

- 2018 Career Development Award, University of Iowa
- 2012 Career Development Award, University of Iowa
- 2012 Outstanding Faculty Mentor Award Nomination (Social Sciences), University of Iowa
- 2005 Career Development Award, University of Iowa
- 2002 Old Gold Fellowship, University of Iowa
- 2001 International Programs Research Fellowship, University of Iowa
- 2000 Old Gold Fellowship, University of Iowa
- 1995 Ph.D. awarded *with distinction*, University of New Mexico
- 1995 Ruth E. Kennedy Memorial Award for outstanding doctoral candidate, Maxwell Museum of Anthropology, University of New Mexico
- 1987 M.A. awarded *with distinction*, University of New Mexico
- 1987 Outstanding Teaching Assistant Award, University of New Mexico
- 1987 Campus-wide Instructor Excellence Ranking, University of New Mexico

SCHOLARSHIP

Publications (Refereed Journal Articles)

- 2019 Marshall SD, Kruger K, **Franciscus RG**, Southard TE. Development of the mandibular curve of Spee and maxillary compensating curve: A finite element model. *PLoS ONE* 14(12):e0221137. <https://doi.org/10.1371/journal.pone.0221137>
- 2019 Marks TN, Maddux SD, Butaric LN, **Franciscus RG**. Climatic adaptation in human inferior nasal turbinate morphology: Evidence from Arctic and equatorial populations. *American Journal of Physical Anthropology*. 169:498-512.
- 2017 Putt SS, Wijeakumar S, **Franciscus RG**, Spencer JP. The functional brain networks that underlie Early Stone Age tool manufacture. *Nature Human Behaviour*. 1:0102 (Cover article). doi:10.1038/s41562-017-0102
- 2017 Maddux, SD, Butaric, LN, Yokley, TR, **Franciscus, RG**. Ecogeographic variation across morphofunctional units of the human nose. *American Journal of Physical Anthropology*. 162:103-119.
- 2016 Maddux, SD, Yokley, TR, Svoma, BM, **Franciscus, RG**. Absolute humidity and the human nose: A re-analysis of climate zones and their influence on nasal form and function. *American Journal of Physical Anthropology*. 161:309-320.
- 2016 Laird, MF, Holton NE, Scott JE, **Franciscus RG**, Marshall SD, Southard TE. Spatial determinants of the mandibular curve of Spee in modern and archaic *Homo*. *American Journal of Physical Anthropology*. 161:226-236.
- 2015 Holton NE, Bonner LL, Scott JE, Marshall SD, **Franciscus RG**, Southard TE. The ontogeny of the chin: an analysis of allometric and biomechanical scaling. *Journal of Anatomy*. 226:549-559.
- 2015 Holton NE, Nicholas CL, Marshall SD, **Franciscus RG**, Southard TE. The effects of altered maxillary growth on patterns of mandibular rotation in a pig model. *Archives of Oral Biology*. 60:933-940.
- 2014 Nicholas, CL, **Franciscus, RG**. The ontogeny of nasal floor shape variation in extant humans. *American Journal of Physical Anthropology*. 155:369-378.
- 2014 Cieri, RL, Churchill, SE, **Franciscus, RG**, Jingzhi, T, Hare, B. Craniofacial feminization, social tolerance, and the origins of behavioral modernity. *Current Anthropology* (target article with commentary). 55:419-443.

- 2014 Putt, SS, Woods, AD, **Franciscus, RG**. The role of verbal interaction during experimental bifacial stone tool manufacture. *Lithic Technology*. 39:96-112.
- 2014 Holton, NE, **Franciscus, RG**, Ravosa, MJ, Southard, TE. Functional and morphological correlates of mandibular symphyseal form in a living human sample. *American Journal of Physical Anthropology*. 153:387-396.
- 2012 Gómez-Olivencia, A, **Franciscus, RG**, Couture-Veschambre, C, Maureille, B, Arsuaga, JL. The mesosternum of the Regourdou 1 Neandertal revisited. *Journal of Human Evolution*. 62:511-519.
- 2012 Holliday, TW, **Franciscus, RG**. Humeral length allometry in African hominids (*sensu lato*) with special reference to A.L. 288-1 and Liang Bua 1. *PaleoAnthropology*. 1-12. doi:10.4207/PA.2012.ART68
- 2011 Holton, NE, Yokley, TR, **Franciscus, RG**. Climatic adaptation and Neandertal facial evolution: A comment on Rae et al. *Journal of Human Evolution*. 61:624-627.
- 2011 Zaim, Y, Ciochon, RL, Polanski, JM, Grine, FE, Bettis III, A, Rizal, Y, **Franciscus, RG**, Larick, RR, Heizler, M, Eaves, KL, Marsh, HE. New 1.5 million-year-old *Homo erectus* maxilla from Sangiran (Central Java, Indonesia). *Journal of Human Evolution*. 61:363-376.
- 2011 Nestman, TS, Marshall, SD, Qian, F, Holton, NE, **Franciscus, RG**, Southard, TE. Cervical vertebrae maturation method morphologic criteria: poor reproducibility. *American Journal of Orthodontics and Dentofacial Orthopedics*. 140:182-188.
- 2011 Marshall, SD, Low, LE, Holton, NE, **Franciscus, RG**, Frazier, M, Qian, F, Mann, K, Schneider, G, Scott, JE, Southard, TE. Chin development as a result of differential jaw growth. *American Journal of Orthodontics & Dentofacial Orthopedics*. 139:456-464.
- 2011 Holton, NE, **Franciscus, RG**, Marshall, SD, Southard, TE, Nieves, MA. Nasal Septal and premaxillary developmental integration: implications for facial reduction in *Homo*. *Anatomical Record*. 294:68-78.
- 2010 Holton, NE, **Franciscus, RG**, Nieves, MA, Marshall, SD, Reimer, SB, Southard, TE, Keller, JC, Maddux, SD. Sutural growth restriction and modern human facial evolution: An experimental study in pigs (*Sus scrofa*). *Journal of Anatomy*. 216:48-61.
- 2010 Klein, RG, **Franciscus, RG**, Steele, TE. Morphometric identification of bovid metapodials to genus and implications for taxon-free habitat reconstruction. *Journal of Archaeological Science*. 37:389-401.
- 2009 Gabriel, DB, Southard, KA, Qian, F, Marshall, SD, **Franciscus, RG**, Southard, TE. Cervical vertebrae maturation method: poor reproducibility. *American Journal of Orthodontics & Dentofacial Orthopedics*. 136:478.e1-478.e7.

- 2009 Holliday, TW, **Franciscus, RG**. Body size and its consequences: allometry and the lower limb length of Liang Bua 1 (*Homo floresiensis*). *Journal of Human Evolution*. 57:223–228.
- 2009 Churchill, SE, **Franciscus, RG**, McKean-Peraza, HA, Daniel, JA, Warren, BR. The Shanidar 3 Neandertal rib puncture wound and Paleolithic weaponry. *Journal of Human Evolution*. 57:163-178.
- 2009 Gómez-Olivencia, A, Lindsay Eaves-Johnson, K, **Franciscus, RG**, Carretero, JM, Arsuaga, JL. Kébara 2: new insights regarding the most complete Neandertal thorax. *Journal of Human Evolution*. 57:75-90.
- 2009 **Franciscus, RG**. When did the modern human pattern of childbirth arise? New insights from an old Neandertal pelvis. *Proceedings of the National Academy of Sciences USA*. 106:9125-9126.
- 2009 Maddux, SD, **Franciscus, RG**. Allometric scaling of infraorbital surface topography in *Homo*. *Journal of Human Evolution*. 56:161-174.
- 2008 Holton, NE, **Franciscus, RG**. The paradox of a wide nasal aperture in cold-adapted Neandertals: a causal assessment. *Journal of Human Evolution*. 55:942-951.
- 2008 Marshall, SD, Caspersen, M, Hardinger, **Franciscus, RG**, Aquilino, SA, Southard, TE. Development of the curve of Spee. *American Journal of Orthodontics & Dentofacial Orthopedics*. 134:344-352.
- 2007 Edwards, CB, Marshall, SD, Qian, F, Southard, KA, **Franciscus, RG**, Southard, TE. Longitudinal study of facial skeletal growth completion in three dimensions. *American Journal of Orthodontics & Dentofacial Orthopedics*. 132:762-768.
- 2007 Rougier, H, Milota, S, Rodrigo, R, Gherase, M, Sarcină, L, Moldovan, O, Zilhão, J, Constantin, S, **Franciscus, RG**, Zollikofer, CPE, Ponce-de-León, M, Trinkaus, E. Peștera cu Oase 2 and the cranial morphology of early modern Europeans. *Proceedings of the National Academy of Sciences* 104:1165-1170.
- 2006 Hesby, RM, Marshall, S, Dawson, D, Southard, KA, Casko, JS, **Franciscus, RG**, Southard, TE. Transverse skeletal and dentoalveolar changes during growth. *American Journal of Orthodontics and Dentofacial Orthopedics*. 130:721-31. [Editor's choice article]
- 2006 Polanski, JM, **Franciscus, RG**. Patterns of Craniofacial Integration in extant *Homo*, *Pan*, and *Gorilla*. *American Journal of Physical Anthropology*. 131:38-49.
- 2006 Southard, TE, **Franciscus, RG**, Fridrich, KL, Nieves, MA, Keller, JC, Holton, NE, Krizan, KE, Reimer, SB, Marshall, SD. Restricting facial bone growth with skeletal fixation: A preliminary study. *American Journal of Orthodontics & Dentofacial Orthopedics*. 130:218-223.

- 2005 O'Connor, CF, **Franciscus, RG**, Holton, NE. Bite force production capability and efficiency in Neandertals and modern humans. *American Journal of Physical Anthropology*. 127:129-151.
- 2003 **Franciscus, RG**. Internal nasal floor configuration in *Homo* with special reference to the evolution of Neandertal facial form. *Journal of Human Evolution*. 44:701-729.
- 2002 **Franciscus, RG**, Churchill, SE. The costal skeleton of Shanidar 3 and a reappraisal of Neandertal thoracic morphology. *Journal of Human Evolution* 42:303-356.
- 1999 **Franciscus, RG**. Neandertal nasal structures and upper respiratory tract "specialization". *Proceedings of the National Academy of Sciences* 96:1805-1809.
- 1996 Trinkaus, E, Arter, DD, **Franciscus, RG**. A reconstruction of the Shanidar 4 facial skeleton. *Paléorient* 22:51-66.
- 1996 Grün, R, Brink, JS, Spooner, NA, Taylor, L, Stringer, CB, **Franciscus, RG**, Murray, AS. Direct dating of Florisbad hominid. *Nature* 382:500-501.
- 1995 **Franciscus, RG**, Trinkaus, E. Determinants of retromolar space presence in Pleistocene *Homo* mandibles. *Journal of Human Evolution* 28:577-595.
- 1992 **Franciscus, RG**, Holliday, TW. Hindlimb skeletal allometry in Plio-Pleistocene hominids with special reference to AL 288-1 ("Lucy"). *Bulletins et Mémoires de la Société d'Anthropologie de Paris* 4:5-20.
- 1991 **Franciscus, RG**, Long, JC. Variation in human nasal height and breadth. *American Journal of Physical Anthropology* 85:419-427.
- 1988 **Franciscus, RG**, Trinkaus, E. Nasal morphology and the emergence of *Homo erectus*. *American Journal of Physical Anthropology*. 75:517-527.

Publications (Refereed Book Chapters and Solicited Articles)

- 2013 **Franciscus, RG**, Holliday, TW. Crossroads of the Old World: Late hominin evolution in Western Asia. In: *The Origins of Modern Humans: Biology Reconsidered*, F.H. Smith & J.C.M. Ahern (eds.), John Wiley & Sons, pp. 45-88.
- 2010 **Franciscus RG**. Skeletal analysis of burials from the Washington Square Mound Site (41NA49) in Nacogdoches County Texas. In: *Documentation of Associated and Unassociated Caddo Funerary Objects in the Stephen F. Austin State University Collections, Nacogdoches, Texas*, T.K. Perttula, M. Walters, B. Nelson, R. Cast (eds.) Stephen F. Austin State University Press, pp. 152-163.

- 2006 Trinkaus, E, Zilhão, J, Rougier, H, Rodrigo, R, Milota, Ş, Gherase, M, Sarcina, Moldovan, O, L, Bălţean, I, Codrea, V, Bailey, SE, **Franciscus, RG**, Ponce de León, M, Zollikofer, CPE. The Peştera cu Oase and early modern humans in southeastern Europe. In: *When Neanderthals and Modern Humans Met*, N.J. Conard (ed.) Tubingen: Kerns Verlag, pp. 145-164.
- 2006 Holliday, TW, Hillson, SW, **Franciscus RG**, Trinkaus, E. The Human Remains: A Summary Inventory. In: *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*, E. Trinkaus & J. Svoboda (eds.), London & New York: Oxford University Press, pp. 27-30.
- 2006 Hillson, SW, **Franciscus, RG**, Holliday, TW, Trinkaus, E. The Ages-at-Death. In: *Early Modern Human Evolution in Central Europe: The People of Dolni Vestonice and Pavlov*, E. Trinkaus & J. Svoboda (eds.), London & New York: Oxford University Press, pp. 31-45.
- 2006 Brůžek, J, **Franciscus, RG**, Novotný, V, Trinkaus, E. The Assessment of Sex. In: *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*, E. Trinkaus & J. Svoboda (eds.), London & New York: Oxford University Press, pp. 46-62.
- 2006 **Franciscus, RG**, Vlček, E. The Cranial Remains. In: *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*, E. Trinkaus & J. Svoboda (eds.), London & New York: Oxford University Press, pp. 63-152.
- 2006 **Franciscus, RG**, Vlček, E, Trinkaus, E. The Mandibular Remains. In: *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*, E. Trinkaus & J. Svoboda (eds.), London & New York: Oxford University Press, pp. 156-178.
- 2006 Trinkaus, E, Hillson, SW, **Franciscus, RG**, Holliday, TW. Skeletal and Dental Paleopathology. In: *Early Modern Human Evolution in Central Europe: The People of Dolní Věstonice and Pavlov*, E. Trinkaus & J. Svoboda (eds.), London & New York: Oxford University Press, pp. 419-458.
- 2002 **Franciscus, RG**. The Midfacial Morphology. In: *Portrait of the Artist as a Child. The Gravettian Human Skeleton from the Abrigo do Lagar Velho and its Archeological Context*. J. Zilhão & E. Trinkaus (eds.) Trabalhos de Arqueologia 22, Lisboa: Instituto Português de Arqueologia, pp. 297- 311.
- 2002 **Franciscus, RG**. Hominid Evolution: Neanderthals. In: *Encyclopedia of Evolution, Vol. 1*, M. Pagel (ed.), Oxford University Press, pp. 493-497.

Publications (Book Reviews)

- 2010 **Franciscus, RG**. New Insights on the Krapina Neandertals: 100 years since Gorjanović-Kramberger (Eds: J. Monge, A. Mann, D. Frayer and J. Radovčić). *American Journal of Physical Anthropology*. 141:334-335.

- 2001 **Franciscus, RG.** The Last Neanderthal: The Rise, Success, and Mysterious Extinction of our closest Human Relatives (by Ian Tattersall). *Plains Archaeologist*. 46:327-329.

Publications (Thesis)

- 1995 **Franciscus, RG.** *Later Pleistocene Nasofacial Variation in Western Eurasia and Africa and Modern Human Origins*. Ph.D. Thesis, University of New Mexico. University Microfilms, Ann Arbor: No. AAT 9814571.

Publications (Refereed Published Abstracts)

- 2019 Wood EK, Maddux SD, Southard TE, Kharlamova A, Trut L, **Franciscus RG.** The effect of behavioral selection on the dentition of Russian silver foxes and its implications for human dental evolution. *Experimental Biology, American Association of Anatomists* (abstract accepted: 1/31/2019).
- 2019 **Franciscus RG.** A consideration of the ‘anomalous’ narial margin patterning in the Krapina Neandertal maxillae. *American Journal of Physical Anthropology*. Suppl. 68:76-77.
- 2019 Holton NE, Welk T, Moreno-Uribe L, Yokley TR, **Franciscus RG.** A candidate gene approach to assessing phenotype/genotype correlations in the nasal complex. *American Journal of Physical Anthropology*. Suppl. 68:107.
- 2019 Williams AS, Foster AD, **Franciscus RG.** Nasofacial skeletal differentiation among Equatorial Africans, Europeans and African-Americans. *American Journal of Physical Anthropology*. Suppl. 68:269.
- 2018 Marks TN, Maddux SD, Butaric LN, **Franciscus RG.** Evidence for climatic adaptation in human nasal turbinate morphology. *European Society for the study of Human Evolution*. PESHE Vol. 7:118. https://www.eshe.eu/static/eshe/files/PESHE/PESHE_Online_2018.pdf
- 2018 Marks TN, Butaric LN, Maddux SD, **Franciscus RG.** Climatic adaptation in human inferior nasal turbinate morphology: A preliminary investigation in arctic and equatorial populations. *Experimental Biology, American Association of Anatomists*.
- 2018 Wood EK, Maddux SD, Southard TE, Kharlamova A, Trut L, **Franciscus RG.** Dental size reduction in tame Russian silver foxes and its implications for the ‘self-domestication’ model in hominin evolution. *American Journal of Physical Anthropology*. Suppl. 66:306.
- 2017 Maddux SD, Butaric LN, **Franciscus RG.** Modern human nasal projection: Reassessing a climatic adaptation. *Texas Association of Biological Anthropologists*. http://txbioanth.org/media/uploads/files/TABA_2017_Program.pdf

- 2017 Maddux SD, Wood EK, Southard TE, Kharlamova A, Trut L, **Franciscus RG**. Patterns of morphometric change in experimentally domesticated foxes: Implications for ‘self-domestication’ in human evolution. *Texas Association of Biological Anthropologists*. http://txbioanth.org/media/uploads/files/TABA_2017_Program.pdf
- 2017 Wood EK, Maddux SD, Southard TE, Kharlamova A, Trut L, **Franciscus RG**. Hard tissue patterns of change in Russian silver foxes: The dentition. *Conference in commemoration of the centenary (1917-2017) of the birth of Dmitri Belyaev* (Novosibirsk, Russia). http://conf.bionet.nsc.ru/belyaev100/wp-content/uploads/sites/14/2017/01/BELYAEV_conf_2_08_2017.pdf
- 2017 Maddux SD, Wood EK, Southard TE, Kharlamova A, Trut L, **Franciscus RG**. Mosaic patterns of craniofacial, dental, and postcranial morphometric change in Russian silver foxes. *Conference in commemoration of the centenary (1917-2017) of the birth of Dmitri Belyaev* (Novosibirsk, Russia). http://conf.bionet.nsc.ru/belyaev100/wp-content/uploads/sites/14/2017/01/BELYAEV_conf_2_08_2017.pdf
- 2017 Maddux SD, Butaric LN, **Franciscus RG**. Climate and modern human nasal evolution: Reassessing the adaptive role of nasal projection. *European Society for the study of Human Evolution*. PESHE Vol. 6:122. http://eshe.eu/static/eshe/files/PESHE/PESHE_2017_FINAL.pdf
- 2017 Putt SS, Wijekumar S, **Franciscus RG**, Spencer JP. Functional neuroimaging insights into Acheulian cognition and hominin brain evolution. *American Journal of Physical Anthropology*. Suppl. 64:322.
- 2017 Marks TN, Butaric LN, Maddux SD, **Franciscus RG**. Inferior nasal turbinate morphology in Arctic and sub-Saharan African humans: Implications for understanding climatic adaptation in the nasal complex. *American Journal of Physical Anthropology*. Suppl. 64:276.
- 2016 Maddux SD, Butaric LN, **Franciscus RG**. Climate and the modern human nose: Reassessing the adaptive role of nasal projection. *Texas Association of Biological Anthropologists*. <http://www.txbioanth.org/media/uploads/files/TABAprgram2016r.pdf>
- 2016 Putt SS, Wijekumar S, **Franciscus RG**, Spencer JP. The neural correlates of prehistoric stone tool manufacture. *Society for Functional Near-Infrared Spectroscopy*. <http://www.fnirs2016.org/>
- 2016 Putt SS, Wijekumar S, **Franciscus RG**, Spencer JP. How linguistic instruction reorganizes the neural networks involved in stone tool knapping. *American Journal of Physical Anthropology*. Suppl. 62:258.
- 2016 Karban ME, **Franciscus RG**. The ontogenetic trajectory of occipital squama convexity in extant humans. *American Journal of Physical Anthropology*. Suppl. 62:188.

- 2016 Daniel C, Putt SS, **Franciscus RG**. Investigating alternative causes for stone flake features attributed to handedness. *Society for American Archaeology*.
http://www.saa.org/Portals/0/SAA/MEETINGS/2016%20Abstracts/Individual%20Level%20Abstracts_finalR2.pdf (p. 100).
- 2015 Nicholas CL, **Franciscus RG**. Patterns of midfacial integration in extant humans. *British Association for Biological Anthropology and Osteoarchaeology*.
https://www.sheffield.ac.uk/polopoly_fs/1.507066!/file/BABAO_2015_Full_Conference_Programme.pdf (p. 125).
- 2015 Nicholas CL, **Franciscus RG**, Policeni B. Human nasal floor shape variation and its relationship to the anterior dentition. *American Journal of Physical Anthropology*. Suppl. 60:235.
- 2015 Karban ME, **Franciscus RG**, Grass AD. Modularity and covariation in extant human occipital growth. *American Journal of Physical Anthropology*. Suppl. 60:184.
- 2015 Hoffmann B*, **Franciscus RG**. Skeletal 2nd/4th Proximal hand phalangeal length ratios are associated with facial proportions in adult males. *American Journal of Physical Anthropology*. Suppl. Undergraduate* Research Symposium.
<http://www.physanth.org/annual-meetings/past-meetings/84th-annual-meeting/>
- 2014 Putt SS, Wijekumar S, **Franciscus RG**, Spencer JP. Flintknapping on the brain: Exploring the verbal and nonverbal learning mechanisms involved in stone tool manufacture with fNIRS. *American Anthropological Association*
<http://aaa.confex.com/aaa/2014/webprogram/Session11080.html>.
- 2014 Nicholas CL, **Franciscus RG**. Quantifying morphological variation in the nasal floor of extant and fossil *Homo*. *PaleoAnthropology* A17.
- 2014 Utzinger ME, **Franciscus RG**. Occipital bunning and overall cranial shape in a longitudinal growth sample of extant humans. *American Journal of Physical Anthropology*. Suppl. 58:258.
- 2014 Doershuk LJ*, Holton NE, Nicholas CL, Yokley TR, **Franciscus RG**. The morphological relationship between the premaxillary region and nasal septum in European- and African-derived adult samples. *American Journal of Physical Anthropology*. Suppl. Undergraduate* Research Symposium: 4.
http://physanth.org/documents/26/COD_Undergrad_Res_Symposium-2014_Program.pdf
- 2013 **Franciscus RG**, Maddux SD, Wikstrom Schmidt K. Anatomically modern humans as a 'self-domesticated' species: insights from ancestral wolves and descendant dogs. *American Journal of Physical Anthropology*. Suppl. 56:125.

- 2013 Utzinger ME, **Franciscus RG**, Southard TE. The developmental and evolutionary significance of occipital bunning: A comparative morphometric study. *American Journal of Physical Anthropology*. Suppl. 56:275.
- 2012 Putt S, Woods A, **Franciscus RG**, Ciochon R. Acheulian handaxe production in verbal and non-verbal experimental learning environments. *Society for American Archaeology*. <http://www.saa.org/AbouttheSociety/AnnualMeeting/Abstracts2012/tabid/1475/Default.aspx>
- 2011 Kelly, J, Holton, N, Marshall, S, **Franciscus, R**, Southard, T. Variation in mandibular condylar position on joint surface morphology. *International Association for Dental Research* <http://iadr.confex.com/iadr/2011sandiego/webprogram/Paper144713.html>
- 2011 Miller, SF, **Franciscus, RG**. Patterns of morphological integration and modularity in the expression of craniofacial robusticity characteristics in extant *Homo sapiens*. *American Journal of Physical Anthropology*. Suppl. 52:217.
- 2011 Maddux, SD, **Franciscus, RG**, Yokley, TR. Variation in morphofunctional units of the human nose and climatic adaptation. *American Journal of Physical Anthropology*. Suppl. 52:203.
- 2011 Laird, MF, Holton, NE, Scott, JE, **Franciscus, RG**, Marshall, SD, Southard, TE. Variation in the mandibular curve of Spee in fossil *Homo* and extant populations. *American Journal of Physical Anthropology*. Suppl. 52:194-195.
- 2010 Willman, JC, **Franciscus, RG**. Scapular axillary border sulcus variation in recent modern humans and Neandertals: a cross-sectional metric approach. *PaleoAnthropology* A38. <http://www.paleoanthro.org/journal/content/PAS2010A.pdf>
- 2010 **Franciscus, RG**, Nicholas, CL. Variation in anterior nasal spine prominence in extant human adults and subadults. *American Journal of Physical Anthropology*. Suppl. 50:107.
- 2010 Laird, MF, Holton, NE, Scott, JE, **Franciscus, RG**, Marshall, SD, Southard, TE. The influence of lower facial projection on the mandibular curve of Spee in extant humans. *American Journal of Physical Anthropology*. Suppl. 50:150.
- 2010 Nicholas, CL, **Franciscus, RG**. The ontogeny of variation in internal nasal floor configuration in extant *H. sapiens*. *American Journal of Physical Anthropology*. Suppl. 50:177.
- 2010 Scott, JE, Holton, NE, Laird, MF, **Franciscus, RG**, Marshall, SD, Southard, TE. Spatial determinants of chin prominence in extant humans. *American Journal of Physical Anthropology*. Suppl. 50:211.

- 2009 **Franciscus, RG.** Projection of the external nose. *Anatomy and Biomechanics: Head and Neck, Museum of Comparative Anthropogeny, Center for Academic Research and Training in Anthropogeny (CARTA)* <http://carta.anthropogeny.org/moca/topics/projection-external-nose>
- 2009 **Franciscus, RG.** Upper Face Height. *Anatomy and Biomechanics: Head and Neck, Museum of Comparative Anthropogeny, Center for Academic Research and Training in Anthropogeny (CARTA)* <http://carta.anthropogeny.org/moca/topics/upper-face-height>
- 2009 Maddux, SD, **Franciscus, RG.** Allometric scaling of infraorbital surface topography in *Homo*: Size Does Matter. *PaleoAnthropology* A24. <http://www.paleoanthro.org/journal/content/PAS2009A.pdf>
- 2009 Yokley, TR, Holton, NE, **Franciscus, RG,** Churchill, SE. The role of body mass in the evolution of the modern human nasofacial skeleton. *PaleoAnthropology* A39-40. <http://www.paleoanthro.org/journal/content/PAS2009A.pdf>
- 2009 Scott, JE, Holton, NE, **Franciscus, RG,** Marshall, SD, Southard, TE. Differential growth of the maxilla and mandible as an explanation for variation in mentum osseum size. *American Journal of Physical Anthropology*. Suppl. 48:361.
- 2009 Nicholas, CL, **Franciscus, RG.** Internal nasal floor configuration in contemporary fetal and postnatal subadult *H. sapiens*. *American Journal of Physical Anthropology*. Suppl. 48:306.
- 2009 Holton, NE, **Franciscus, RG,** Southard, TE, Marshall, SD, Nieves, MA, Reimer, SB. The effects of experimentally reduced facial dimensions on the growth of the nasal septum and premaxilla in *Sus scrofa*. *American Journal of Physical Anthropology*. Suppl. 48:229.
- 2008 Swenson, KE, Holton, NE, **Franciscus, RG,** Nieves, MA, Marshall, SD, Qian, F, Southard, TE. Facial suture plating alters sutural interdigitation in *Sus scrofa*. *American Association for Dental Research*. http://iadr.confex.com/iadr/2008Dallas/techprogram/abstract_100503.htm
- 2008 **Franciscus, RG,** Holton, NE, Nieves, MA, Southard, TE, Reimer, SB, Marshal, SD, Krizan, KE, Maddux, SD. Experimental facial growth alteration in *Sus scrofa* and its implications for the evolution of modern human craniofacial anatomy. *American Journal of Physical Anthropology* Suppl. 46:98-99.
- 2007 **Franciscus, RG,** Holton, NE, Maddux, SD, Marsh, HE, Ciochon, RL. Temporal and geographical patterning of mandibular corpus dimensions in *Homo* using Mantel tests. *American Journal of Physical Anthropology*. Suppl. 44:110.
- 2007 Michael, AR, **Franciscus, RG.** Differential diagnosis of facial pathology in Dolní Věstonice 3: biobehavior in the Gravettian of Central Europe. *American Journal of Physical Anthropology*. Suppl. 44:172.

- 2007 Eaves-Johnson, KL, **Franciscus, RG**, A'Hearn, B. Biogeographic and sex variation in external rib cross-sectional area and geometry. *American Journal of Physical Anthropology*. Suppl. 44:104.
- 2006 Maddux, SD, **Franciscus, RG**. Qualitative and quantitative assessment of infraorbital surface topography in recent and fossil *Homo*. *American Journal of Physical Anthropology*. Suppl. 42:123.
- 2005 Yokley, TR, **Franciscus, RG**. Variation in nasal passage surface-area-to-volume ratios of recent and fossil humans. *PaleoAnthropology A12*.
<http://www.paleoanthro.org/journal/content/PAS2005A.pdf>
- 2005 Ciochon, R, Zaim, Y, Grine, F, Rizal, Y, Larick, R, Bettis, A. III, **Franciscus, RG**, Polanski, J. A new *Homo erectus* maxilla from the Bapang basal unit, Sangiran Dome, Java. *American Journal of Physical Anthropology*. Suppl. 40:86-87.
- 2005 Canady, JW, **Franciscus, RG**. Multidisciplinary approach improves diagnosis in world's oldest cleft "patient". *American Cleft Palate-Craniofacial Association*.
- 2005 Eaves-Johnson, KL, **Franciscus, RG**. Testing for functional convergence in Neandertal and Inuit lower rib morphology in terms of cold-adaptation. *American Journal of Physical Anthropology*. Suppl. 40:98.
- 2005 Holton, NE, **Franciscus, RG**, Kilberger, M, Michael, A. Variation in mandibular gonial flare in Neandertals and recent humans: a pattern recognition study. *American Journal of Physical Anthropology*. Suppl. 40:118.
- 2004 Trinkaus, E, Moldovan, O, Milota, Ş, Gerhase, M, Sarcina, L, Bîlgăr, A, Rodrigo, R, Bailey, SE, **Franciscus, RG**, Ponce de León, M, Zollikofer, CPE. Bones, Bodies and Bears in the Peştera cu Oase, Romania. *PaleoAnthropology A-71*.
<http://www.paleoanthro.org/journal/content/PAS2004A.pdf>
- 2004 Holton, NE, **Franciscus, RG**, Forman-Hoffman, VL. Causal modeling of nasal breadth and intercanine distance in fossil and recent *Homo*. *American Journal of Physical Anthropology*. Suppl. 38:116.
- 2003 **Franciscus, RG**. Comparing internal nasal fossa dimensions and classical measures of the external nasal skeleton in recent humans: Inferences for respiratory airflow dynamics and climatic adaptation. *American Journal of Physical Anthropology*. Suppl. 36:96-97.
- 2003 Polanski, JM, **Franciscus, RG**. Conditional independence modeling of neurocranial, facial, and masticatory integration in *Pan*, *Gorilla* and recent *Homo*. *American Journal of Physical Anthropology*. Suppl. 36:169.

- 2003 Miller, SF, Yokley, TR, Churchill, SE, **Franciscus, RG**, Hublin, JJ, Eaves-Johnson, KL. A new technique for reconstructing the vocal anatomy of fossil humans. *American Journal of Physical Anthropology*. Suppl. 36:151-152.
- 2002 Toll, CD, **Franciscus, RG**. The Kebara 2 Neandertal hyoid and speech capacity revisited: size and shape relative to mandibular dimensions. *American Journal of Physical Anthropology*. Suppl. 34:155-156.
- 2001 Holliday, TW, **Franciscus, RG**. Multivariate assessment of body shape in A.L. 288-1 (“Lucy”). *American Journal of Physical Anthropology*. Suppl. 32:82.
- 2000 **Franciscus, RG**, Schoenebaum, CR. Cross-sectional metric analysis of scapular axillary border morphology in recent humans and the Krapina Neandertals. *American Journal of Physical Anthropology*. Suppl. 30:152.
- 1999 **Franciscus, RG**. Unique vs. non-unique aspects of Neandertal upper respiratory anatomy. *Journal of Human Evolution* 36:A7 (*PaleoAnthropology Society*).
- 1998 Weaver, TD, **Franciscus, RG**, Karlin, CC, Burson, EA, Gust, KA. 3-D coordinate analysis of the Kebara 2 Neandertal pelvis. *American Journal of Physical Anthropology*. Suppl. 26:228.
- 1997 **Franciscus, RG**. Multivariate allometry in cranial functional sets and the archaic/modern human dichotomy. Abstract: *American Journal of Physical Anthropology*. Suppl. 24:113.
- 1997 Kallfelz-Klemish, CF, **Franciscus, RG**. Static bite force production in Neandertals and modern humans. *American Journal of Physical Anthropology*. Suppl. 24:140.
- 1996 Rhoads, ML, **Franciscus, RG**. Mandibular notch crest orientation in Neandertals and recent humans. *American Journal of Physical Anthropology*. Suppl. 22:196.
- 1995 **Franciscus, RG**. Later Pleistocene nasofacial variation in Eurasia and Africa and modern human origins. *American Journal of Physical Anthropology*. Suppl. 20:92.
- 1991 **Franciscus, RG**, Long, JC. Variation in human nasal height and breadth. *American Journal of Physical Anthropology*. Suppl. 12:74.
- 1989 **Franciscus, RG**. Neandertal mesosterna and noses: Implications for activity and biogeographical patterning. *American Journal of Physical Anthropology*. 78:223.
- 1988 **Franciscus, RG**, Trinkaus, E. The Neandertal nose. *American Journal of Physical Anthropology*. 75:209.
- 1988 Tompkins, RL, Heller, JA, **Franciscus, RG**. Hominid femoral neck angle and biomechanical neck length. *American Journal of Physical Anthropology*. 75:279.

- 1987 Curran, BK, **Franciscus, RG**, Rhine, JS. Applying a new method of geographical identification on a southwestern population. *American Academy of Forensic Sciences*.87-1:120.

Research Grants (External)

- 2019 NSF Site REU Grant (#15248700): Engaging Undergraduates in Interdisciplinary Evolutionary Science (3 years: Start Date:01/15/2019). PI: A. Forbes; co-PI: M. Neiman. Senior Personnel/Research Members: C. Brochu, B. Cramer, J. Fassler, **R. Franciscus**, B. He, S. Hendrix, D. Houston, A. Kitchen, M. Kosloski, J. Logsdon, B. McAllister, and C. Stipp (\$383,770).
- 2013 National Science Foundation Doctoral Dissertation Improvement Grant (BCS-1340862) for Nicholas, CL, Co-PI: Testing the relationship between nasal traits and the anterior dentition in *Homo* (1 year) **PI: Franciscus, RG** (\$7,649).
- 2008 National Science Foundation Doctoral Dissertation Improvement Grant (BCS-0752723) for K. Lindsay Eaves-Johnson, Co-PI: 3-D modeling of lung volume from thoracic form: a geomorphometric baseline for the study of thoracic patterning in the human fossil record (1 year) **PI: Franciscus, RG** (\$15,000).
- 2006 National Science Foundation Doctoral Dissertation Improvement Grant (BCS-0550036) for N Holton, Co-PI: 3-D modeling of *in vivo* bite force production and efficiency in recent humans as a baseline for evolutionary change in *Homo* (1 year) **PI: Franciscus, RG** (\$11,931).
- 2001 National Science Foundation: REU Supplement Grant (BCS-0118017) Conservation and Curation of the U-Iowa Stanford Collection (1 year) **PI: Franciscus, RG**. Co-PIs: Green, W & Schermer, S (\$6,000).
- 2000 National Science Foundation: Senior Research Grant (BCS-0076725) Conservation and Curation of the U-Iowa Stanford Collection (2 years) **PI: Franciscus, RG**. Co-PIs: Green, W & Schermer, S (\$105,088).
- 1994 L.S.B. Leakey Foundation: General Research Grant Later Pleistocene Hominid Nasal Morphology and Modern Human Origins (1 year) **PI: Franciscus, RG** (\$7,981).
- 1993 National Science Foundation Doctoral Dissertation Improvement Grant (SBR-9312567) for **RG Franciscus, Co-PI: Nasal Morphology in Western Old World Later Pleistocene Hominids and the Origins of Modern Humans** (1 year) PI: Trinkaus, E (\$11,900).

Research Grants & Fellowships (Internal)

- 2018 ICRU Academic Year grant: Testing Historical Admixture Effects in U.S. African-Americans: Morphology vs. Genes. **PI: Franciscus, RG**; Student: Williams, A (\$2,000).

- 2018 ICRU Fellow Summer grant: Testing Historical Admixture Effects in U.S. African-Americans: Morphology vs. Genes. **PI: Franciscus, RG**; Student: Williams, A (\$2,500).
- 2017 UI Department of Orthodontics Summer Research Funding: Domesticated Foxes as Models for Modern Human Self-domestication: Phase II. Institute of Cytology and Genetics, Russian Academy of Sciences Siberian Division, Novosibirsk, Siberia. **PI: Franciscus, RG** (\$3,249).
- 2014 ICRU Fellow Academic Year grant: Neanderthal hands: Insights into Paleobiology and Behavior. **PI: Franciscus, RG**; Student: Hoffmann, B (\$2,000).
- 2013 UI Department of Orthodontics Summer Research Funding: Domesticated Foxes as Models for Modern Human Self-domestication: Phase I. Institute of Cytology and Genetics, Russian Academy of Sciences Siberian Division, Novosibirsk, Siberia. **PI: Franciscus, RG** (\$2,923).
- 2013 ICRU Fellow Academic Year grant: Premaxillary/Maxillary Variation and their Relationship with Nasal Septal and Facial Morphology in Anatomically Modern Humans. **PI: Franciscus, RG**; Student: Doershuk, L (\$2,000).
- 2012 Council on Teaching Instructional Improvement Award: New Tools for Quantitative Data Analysis in Biological Anthropology and Archaeology. **PI: Franciscus, RG**; Co-PIs: Scott, JE and Nicholson, CL (\$4,708).
- 2011 ICRU Fellow Academic Year grant: Computed Tomography Analysis of Skeletal Limb Structure in Wolves vs. Domesticated Dogs: Analysis and Interpretation. **PI: Franciscus, RG**, Student: Wikstrom, K (\$2,500).
- 2011 ICRU Fellow Summer grant: Computed Tomography Analysis of Skeletal Limb Structure in Wolves vs. Domesticated Dogs: Data collection. **PI: Franciscus, RG**, Student: Wikstrom, K (\$2,500).
- 2009 ICRU Fellow Academic Year grant: Morphometric Analysis of the Mandibular Curve of Spee in Human Evolution. **PI: Franciscus, RG**, Student: Laird, M (\$2,500).
- 2008 UI ATAC Innovations in Instructional Computing Award: Incorporating CT-based Technology in Undergraduate and Graduate Instruction in Human Evolutionary Studies. **PI: Franciscus, RG**; Co-PIs: Ciochon, RL & Holton, NE (\$24,000).
- 2007 UI Iowa Research Experiences for Undergraduates: Analysis of Bio-behavioral Effects on the Shoulder Morphology of Neanderthals and Modern Humans. **PI: Franciscus, RG**, Student: Willman, JC (\$3,000).

- 2005 UI Biological Sciences Funding Program: Testing Hypotheses for Modern Human Facial Form via Sutural Growth Alteration in *Sus scrofa*: Evolutionary Insights and Clinical Benefits. **PI: Franciscus, RG**.
Co-PIs: Nieves, MA, Southard, TE, Keller, JC & Dawson, DV (\$49,080).
- 2005 UI College of Liberal Arts & Sciences Student Computer Fee Proposal: Computer Upgrades for Undergraduate Research in the Biological Anthropology Laboratories. **PI: Franciscus, RG** (\$7,320).
- 2002 UI Second Old Gold Fellowship: Phase II Morphometric Study of Fossil Human Remains from the Central European Dolní Věstonice and Pavlov Sites. **PI: Franciscus, RG** (\$6,000).
- 2001 UI International Programs Research Fellowship: Description and Analysis of the 26,000-year-old Fossil Human Cranial Remains from the Central European Dolní Věstonice and Pavlov Sites. **PI: Franciscus, RG** (\$3,000).
- 2001 UI College of Liberal Arts Educational Computing Grant, University of Iowa: Computer Upgrades for Undergraduate Research in Anthropology Laboratories. **PI: Franciscus, RG**; Co-PI: Ciochon, RL (\$10,000).
- 2000 UI Old Gold Fellowship, University of Iowa: Analysis of the Midface of the Abrigo do Lagar Velho Subadult. **PI: Franciscus, RG** (\$6,000).
- 1998 UI Central Investment Fund for Research Enhancement, University of Iowa: The Stanford Human Anatomy Skeletal Research Collection: Phase I: Reboxing, Records Retrieval, and Preliminary Inventory. **PI: Franciscus, RG**; Co-PIs: Green, W & Schermer, S (\$9,996).
- 1993 Thesis Research Grant, University of New Mexico. **Franciscus, RG** (\$950)
- 1987-1990 Graduate Student Research Allocation, University of New Mexico. **Franciscus, RG** (\$2,200)

Symposia Organized (With Refereed Published Abstracts)

- 1997 **Franciscus, RG**, Crummett, T (co-organizers). *What is 'modern' about modern humans?* Prospects for understanding the archaic/modern dichotomy. Invited symposium held at the 66th Annual Meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*. Suppl. 24:44-45.
- 1989 Stiner, MC, **Franciscus, RG** (co-organizers). *Bringing together the two halves: Archaeological and paleontological approaches to understanding archaic Homo sapiens*. Invited symposium held at the 58th Annual Meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*. 78:144,177.

Invited Symposia

- 2019 Invited presenter: *From Pedestrian to Cerebral in the Pleistocene: A Symposium in Honor of Erik Trinkaus and his contributions to Late Pleistocene Paleoanthropology*. *American Journal of Physical Anthropology*. Suppl. 68:76-77.
- 2017 Invited presenter: Conference in honor of the centenary of the birth of Dmitri K. Belyaev: founder of the Russian silver fox domestication studies. Institute of Cytology and Genetics, Novosibirsk, Russia (Siberia), August 7-10, 2017.
- 2014 Invited speaker: *Craniofacial Feminization in Canine and Human Evolution*. CARTA Symposium on: *Domestication and Human Evolution*. UC San Diego/Salk Institute for Biological Studies, San Diego, CA (10/10).
- 2014 Invited speaker: *Darwin, Dogs, Domestication, and Us: A framework for understanding modern human evolution*. Iowa City Darwin Day program. Theme: "Major Transitions of Life on Earth." University of Iowa (2/22).
- 2013 Presenter (T. Yokley); Co-presenters (N. Holton, S. Maddux, R. Franciscus): *The Human Nose: Functions, Variation, and Climatic Adaptation*. Symposium on the vertebrate Nose (B. Van Valkenburgh, B. Craven, co-organizers). International Congress of Vertebrate Morphologists, Barcelona, Spain, (7/8-12).
- 2009 Keynote speaker and discussant: *The Current State of Neanderthal Research* (C.W. Schmitt, organizer). Annual Meeting of the Midwest Bioarchaeology and Forensic Anthropology Association, University of Indianapolis (11/7).
- 2005 Invited speaker: *Neanderthals Revisited: New Approaches and Perspectives* (K. Harvati and T. Harrison, co-organizers). Center for the Study of Human Origins, New York University & the Max Planck Institute for Evolutionary Anthropology, Leipzig (1/27-29).
- 2001 Invited discussant: *Read Our Lips, No New Taxa*. (M.H. Wolpoff, organizer). *American Journal of Physical Anthropology*. Suppl. 32:14-15.
- 1999 Invited speaker: *The Krapina Neandertals and Human Evolution in Central Europe: 1899-1999*. (J. Radovčić, organizer). Zagreb and Krapina, Croatia (8/23-26).
- 1996 Invited speaker: *Out of Africa: A Symposium on Human Dispersal*. (F. Brown and F.C. Howell, moderators) L.S.B. Leakey Symposium, Stanford University, 12/7.

Invited Lectures (International)

- 2013 Institute of Cytology and Genetics, Novosibirsk, Russia (Siberia), 7/26
2009 International de la Société d'Anthropologie de Paris. Paris, France, 1/27 (w/ TW Holliday)

- 2004 Max Planck Institute, Leipzig, Germany, 10/27
2004 Centre National de la Recherche Scientifique (C.N.R.S.), Paris, France, 1/31
2000 Université de Bordeaux I, Bordeaux, France, Laboratoire de Anthropologie, 11/10
2000 Centre National de la Recherche Scientifique (C.N.R.S.), Paris, France, 11/8
1998 Cambridge University, Cambridge, UK, Department of Biological Science, 4/24 (declined)

Invited Lectures (National)

- 2016 University of Nebraska, Lincoln, Department of Anthropology, 10/28
2013 University of Missouri, Columbia, Department of Pathology & Anatomical Sciences, 5/6
2007 University of Iowa, CLAS Dean's Advisory Board, 9/7
2007 University of Iowa, Department of Orthodontics, 5/4
2006 Duke University, Durham, Department of Biological Anthropology & Anatomy, 4/21
2005 New York University, New York, Department of Anthropology, 1/27
2004 Loyola University, Chicago, Department of Anthropology, 11/9
2003 University of Wisconsin, Madison, Department of Anthropology, 12/12
2002 University of Iowa, Saturday Scholars Program, 11/9
2001 University of Iowa, Department of Psychology, 11/28
2001 University of Iowa Hospitals & Clinics, Department of Neurosurgery, 6/22
1999 University of Iowa, Department of Geological Sciences, 11/19
1999 University of Iowa, Presidential Oakdale Seminar, 10/13
1998 Stanford University, Stanford, Department of Anthropology, 3/9
1998 University of Iowa, Department of Anthropology, 2/23
1998 Tulane University, New Orleans, Department of Anthropology, 2/16
1997 University of California, Santa Cruz, Department of Anthropology, 11/21
1997 Diablo Valley College, California, 4/26
1996 Stanford University, Stanford, L.S.B. Leakey Symposium, 12/7.
1996 Institute of Human Origins, Berkeley, CA, David H. Koch Lecture Series, 10/28.
1995 Stanford University, Stanford, Human Biology Core Lecture Series, 10/25.
1995 Stanford University, Stanford, Department of Anthropology, 4/10.
1995 University of New Mexico, Albuquerque, Ruth E. Kennedy Award Memorial Lecture, 4/20.

Media Appearance, Research in the News, Commentary, and Scientific Consulting

- 2019 Christian Science Monitor, "Domesticating the domesticators" In: "Cuddly foxes show the softer side of evolution" (1/16/2019).
<https://www.csmonitor.com/Science/2019/0116/Cuddly-foxes-show-the-softer-side-of-evolution>
- 2018 Gizmodo, "Why Neanderthals had faces that were so different from ours" (4/3/2018).
<https://gizmodo.com/why-neanderthals-had-faces-that-were-so-different-from-1824288723>
- 2018 New Scientist (cover story), "The tamed ape: were humans the first animal to be domesticated?" (2/24/2018).

<https://www.newscientist.com/article/mg23731660-600-the-tamed-ape-were-humans-the-first-animal-to-be-domesticated/>

- 2017 The Boston Globe, “How Diet Changed the Way We Look” (10/7/2017)
<https://www.bostonglobe.com/ideas/2017/10/07/how-diet-changed-way-look/d1BaQ7U8U8q5HNpCHvkdYP/story.html>
- 2017 River to River, “Human Fossil Remains: This is Very Big”
300,000 year old early modern humans found in northwestern Africa shows us that the emergence of our species was a Pan-African phenomenon. Iowa Public Radio WSUI-AM 910 (airdate: 6/12/2017). <http://iowapublicradio.org/post/human-fossil-remains-very-big>
- 2017 Sapiens.Org, “Oldest known *Homo sapiens* fossils found: new finds at an archaeological site in Morocco open a window on the origin of our species” (6/7/2017)
<https://www.sapiens.org/evolution/oldest-homo-sapiens-fossils/>
- 2017 Changes in Early Stone Age tool production have ‘musical’ ties (5/8/2017)
<https://www.sciencedaily.com/releases/2017/05/170508112431.htm>
Additional coverage on Science Friday, Public Radio International, in the Smithsonian online, The New York Post online, The Times online, and over 120 additional news outlets nationally and internationally.
- 2015 KCRG TV 9 News (Eastern Iowa ABC affiliate), “*Homo naledi*, a new species of the genus *Homo* from South Africa” (airdate: 9/14/2015).
<http://www.kcrg.com/subject/news/scientists-discover-new-species-of-ancestral-human-20150914>
- 2015 Cosmos Magazine: Why do we have a chin? 4/27/2015
<https://cosmosmagazine.com/life-sciences/why-do-we-have-chin>
- 2015 River to River, “Anthropological Debate: Why Do Humans Have Chins.”
Iowa Public Radio WSUI-AM 910 (airdate: 4/17/2015; rebroadcast: 7/17/2015).
<http://iowapublicradio.org/post/anthropological-debate-why-do-humans-have-chins>
- 2015 “Why We Have Chins” (4/13/2015).
<http://now.uiowa.edu/2015/04/why-we-have-chins>
Additional coverage in over 80 U.S. and International articles including: Time, CBS News, NBC News, Archaeology, Discovery News, Science World Report, Daily Science Journal, Live Science, Medical Daily, Science 2.0, Science Codex, Nature World News, Times Gazette, Business Standard, Headlines & Global News, News Tonight Africa, Gizmodo India, Globalnews, News Nation, Times of India, and Sci-News.
- 2014 “Craniofacial Feminization in Canine and Human Evolution”; invited CARTA symposium talk aired on University of California Television (airdate: 12/1/2014) with subsequent viewings available on iTunes and You Tube.
<http://www.ucsd.tv/search-details.aspx?showID=28891>

- 2014 Online Buzz, Human Evolution: “Roots of self-domestication” (11/28/2014). *Science* 346:1067. <http://www.sciencemag.org/content/346/6213/1067.2.full.pdf>
- 2014 River to River, “The significance of a 45,000 year-old leg bone: A bone found on the banks of a Siberian river has yielded the oldest modern human genome yet recovered.” Iowa Public Radio WSUI-AM 910 (original airdate: 10/27/2014; encore airdate: 6/11/2015). <http://iowapublicradio.org/post/significance-45000-year-old-leg-bone>
- 2014 How We Tamed Ourselves – And Became Modern: “Self-domestication turned humans into the cooperative species we are today (10/24/14): *Science* 346:405-406 (A. Gibbons). <http://www.sciencemag.org/content/346/6208/405.full.pdf>
- 2014 Human Advances Came As Testosterone Levels Dropped And People Became Nicier To Each Other: International Business Times (8/3/14) <http://www.ibtimes.com/human-advances-came-testosterone-levels-dropped-people-became-nicier-each-other-1647400>
Additional coverage in over 100 U.S. articles including: Time, CBS News, ABC News, United Press International, Washington Post, Science DailyNews, GMA News online, Valuewalk.com, Nature World News, New York Daily news and ScienceWorldReport, and over 40 international articles.
- 2014 River to River, News Buzz: “You have Neanderthal genes” Iowa Public Radio WSUI-AM 910 (airdate: 1/31/2014). <http://iowapublicradio.org/post/you-have-neanderthal-genes>
- 2013 River to River, “How humans tolerate cold weather” Iowa Public Radio WSUI-AM 910 (airdate: 12/2/2013). <http://iowapublicradio.org/post/how-humans-tolerate-cold-weather>
- 2013 Quartz (Atlantic Magazine): “Why Oakley’s ‘Asian fit’ sunglasses aren’t racist, just science”: Fitting eye glasses manufacturing to population differences in facial form (11/5/2013). <http://qz.com/138525/why-oakleys-asian-fit-sunglasses-arent-racist-just-science/>
- 2013 River to River, “From 1.8 million years ago to thousands of light-years away: The new 1.8 million year old Dmanisi skull and human origins” Iowa Public Radio WSUI-AM 910 (airdate: 10/21/2013). <http://iowapublicradio.org/post/18-million-years-ago-thousands-light-years-away>
- 2013 River to River, “Did the last Neanderthals Co-exist with Modern Humans?” Iowa Public Radio WSUI-AM 910 (airdate: 2/7/2013). <http://iowapublicradio.org/post/franco-german-relations-neanderthals>
- 2012 BBC Two: Human Evolution series, Prehistoric Autopsy: Neanderthal. Scientific consultant (airdate: 10/22/12).

- 2011 Research Highlights, Paleoanthropology: Adding bite to hominin history. *Nature* 478:8 (10/6/11).
http://www.nature.com/nature/journal/v478/n7367/full/478008c.html?WT.ec_id=NATURE-20111006
- 2010 The Exchange, “Human origins and the new hominid species *Australopithecus sediba*” Iowa Public Radio WSUI-AM 910 (airdate: 5/17/2010).
<http://iowapublicradio.org/post/hominid-species-two-million-years-ago>
- 2009 Human Spear Likely Cause of Death of Neandertal. *ScienceDaily* News (7/22/09)
<http://www.sciencedaily.com/releases/2009/07/090720163729.htm>
Additional coverage in Time Magazine, MSNBC, National Geographic, Fox News, Discover, Yahoo News, Time.com, US News & World Report, University World News, and Telegraph, UK.
- 2009 Commentary: Franciscus, RG. (2009) When did the modern human pattern of childbirth arise? New insights from an old Neandertal pelvis. *Proc. Natl. Acad. Sci. USA* 106:9125-9126, cited in: Faculty of 1000 Biology (<http://www.f1000biology.com>) Reviewed at: <http://www.f1000biology.com/article/id/1162165#cite> (6/17/09).
- 2008 Why did Neanderthals have such big noses?: *New Scientist* (10/27/08).
- 2008 A nose for science. *The Daily Iowan* (11/3/0/08).
<http://www.dilibraryarchive.com/pdf/metro.pdf>
- 2007 The Last Human: A Guide to Twenty-Two Species of Extinct Humans (G.J. Sawyer & V. Deak), New Haven: Yale University Press, 256 pages: Scientific consultant.
- 2007 *40,000-year-old Skull Shows Both Modern Human and Neandertal Traits*. EurekaAlert (1/15/07) http://www.eurekaalert.org/pub_releases/2007-01/uob-4ss011207.php
Additional online coverage: CNN, LiveScience, MSNBC, ABC News, Discovery, Telegraph, UK and BBC News.
- 2006 Quarks & Co: “On the Trail of Neanderthals” (WDR Television, Köln, Germany): Scientific consultant and film participant (airdate: 7/18/2006).
- 2006 Welt der Wunder “The Voice of Neandertals” (RTL2 Television, Munich, Germany): film participant (airdate: 5/7/2006).
- 2006 Ask Discover: Could Neanderthals and modern humans have spoken to each other? *Discover* Magazine (July, 2006) 27:16.
- 2005 Random Samples, Neandertal bite not incisive. *Science* 308:1110 (C. Holden).

- 2005 Una forza masticatoria da uomo preistorico (“The masticatory force of prehistoric humans”). *Giornale dell’Odontoiatra* June:5 (D. Bellinzani).
- 2004 BBC Horizon Documentary “*Neanderthal*” (Program No: PAD-5360-PRG3): Scientific consultant and film participant (airdate: 2/10/2005).
- 2003 News Focus, First modern remains in Europe. *Science* 300:894 (A. Gibbons).
- 2002 Iowa Talks, “The Neanderthal Mystery” Public Radio WSUI-AM 910 (airdate: 11/7/2002).
- 2002 Cover Story: What makes us human? *Iowa Alumni Magazine* October, 55(5):16-19 (T. Owen).
- 2000 University of Iowa Update: Skeletal biology at UI, Television ESPN2 (airdate: 1/8/2000).
- 1999 News Focus, A new look into Neanderthals’ noses. *Science* 285:31-33 (C. Holden).
- 1999 Human beings taller, healthier as years go by. *Iowa City Press Citizen* January 23/27 (J.A. Carlson).
- 1991 The secret life of the Neanderthal. *Omni* October 14(1):42-56 (S. Rudavsky).
- 1991 The Adaptive *Homo erectus* nose. H. Nelson and R. Jurmain, Introduction to Physical Anthropology (5th Ed.) West Publ., Box 16.2, p. 467.
- 1990 Origins Watch, Traveling man (*Homo erectus*). *Discover* June 11(6):22 (T. Waters).
- 1990 Almost Human. *Discover* May 11(5):43-53 (T. Waters).
- 1988 Limits to a Neanderthal nose. *New Scientist* June 1615:33).

TEACHING AND MENTORING

Doctoral Theses Chaired

- 2009 Joshua M. Polanski. Morphological Integration of the Cranium during Ontogeny in *Homo sapiens* and *Pan troglodytes*. Currently: Assistant Professor in Residence, Biomedical Sciences, University of Nevada, Las Vegas.
- 2009 Nathan E. Holton. Modeling of Masticatory Biomechanics in Living Humans as a Baseline for Testing Functional Hypotheses in Fossil *Homo* (funded by NSF). Currently: Associate of Anatomy and Cell Biology, Department of Anatomy and Cell Biology, University of Iowa.

- 2010 Steven F. Miller. The Patterning and Determinants of Craniofacial Robusticity in *Homo sapiens*. Currently: Assistant Professor (tenure-track), Department of Anatomy, Midwestern University.
- 2011 Scott D. Maddux. A Quantitative Assessment of Infraorbital Morphology in *Homo*: Testing for Character Independence and Evolutionary Significance in the Human Midface (funded by the Wenner-Gren Foundation and the Leakey Foundation). Currently: Assistant Professor (tenure-track), Center for Anatomical Sciences, University of North Texas Health Science Center.
- 2012 Anna J. Waterman. Marked in Life and Death: Identifying Markers of Social Differentiation in Late Preshistoric Portugal. Co-chaired with K. Lillios. Currently: Associate Professor of Biology (tenured), Department of Natural and Applied Sciences, Mount Mercy University.
- 2015 Christina L. Nicholas. The Ontogeny of Nasal Floor Shape Variation in *Homo* and the Influence of Facial Size, the Anterior Dentition, and Patterns of Midfacial Integration (funded by NSF). Currently: Assistant Professor (tenure-track) and Associate Director for Graduate Research, Department of Orthodontics, University of Illinois at Chicago.
- 2016 Miranda E. Karban (Utzinger). The Ontogeny of Occipital Bone Convexity in a Longitudinal Sample of Extant Humans. Currently: Assistant Professor (tenure-track), Department of Biology, Illinois College.
- 2016 Shelby Jedele Putt. Human Brain Activity during Stone Tool Production: Tracing the Evolution of Cognition and Language (funded by the Wenner-Gren Foundation, the Leakey Foundation, the American Association of University Women, and recipient of the 2018 University of Iowa Graduate Deans' Distinguished Dissertation Award). Currently: Assistant Professor (tenure-track), Department of Sociology & Anthropology, Illinois State University.
- ABD Jill E. Scott. Evolution of the Chin: Masticatory, Spatial, and Phylogenetic Implications for Mandibular Symphyseal Morphology in *Homo*. Currently: Laboratory Coordinator, Department of Sociology and Anthropology, Metropolitan State University, Denver.
- ABD Tarah Marks. Ecogeographic Variation in Human Nasal Turbinate Morphology: Implications for Understanding Climatic Adaptation in the Nasal Complex.
- ABD Emma Wood. The Influence of Selection for Tame Behavior on Tooth Size Reduction in Domesticated Foxes and its Implications for the "Self-domestication" Model in Modern Human Evolution. Currently: Instructor, Department of Physiology & Anatomy, University of Northern Texas Health Science Center, Fort Worth.
- Pre-Comp Logan Moore.

Doctoral Theses Committee Member

- 2002 Tim D. Weaver. A Multi-causal Functional Analysis of Hominid Hip Morphology (Qualifying Prelims Committee member). Committee Chair: R.G. Klein (Stanford U, Anthropology). Currently: Tenured Professor, Department of Anthropology, University of California, Davis.
- 2006 Todd R. Yokley. The Functional and Adaptive Significance of Anatomical Variation in Recent and Fossil Human Nasal Passages (funded by the Leakey Foundation). Committee chair: S.E. Churchill (Duke U, Biological Anthropology & Anatomy). Currently: Tenured Associate Professor, Depart of Anthropology and Sociology, Metropolitan State College, Denver.
- 2006 Grant S. McCall. Lithic Technological Perspectives on Early Hominid Site Use and Mobility Strategies. Committee chair: J.E. Enloe (U Iowa, Anthropology). Currently: Tenured Associate Professor, Department of Anthropology, Tulane University.
- 2006 Jessica L. White (Bonnan-White). Functional Morphology and Evolution of the Adapiform Dentition, with Particular Emphasis on the Asian Sivaladapidae. Committee Chair: R.L. Ciochon (U Iowa, Anthropology). Currently: Tenured Associate Professor, Department of Criminal Justice, Stockton University.
- 2010 Daniel J. Proctor. Three-Dimensional Morphometrics of the Proximal Metatarsal Articular Surfaces of *Gorilla*, *Pan*, *Hylobates*, and Shod and Unshod Humans. Committee chair: R.L. Ciochon (U Iowa, Anthropology). Currently: Visiting Assistant Professor, Department of Anthropology, Lawrence University.
- 2010 Timothy R. Koscik. An Exploration into the Potential Influence of Evolution by Natural Selection on Social Cognitive Neuroscience and the Science of Human Social Behaviour. Committee chair: D. Tranel (U Iowa, Neurosciences Program). Currently: Assistant Professor, Department of Psychiatry, University of Iowa Carver College of Medicine.
- 2011 Alexander D. Woods. Experimentally Determined Constraining Effects of Raw Material Quality on Blade Production. Committee chair: J.E. Enloe (U Iowa, Anthropology). Currently: Research Associate, CEMML, Colorado State University.
- 2013 Hannah Marsh. Testing Cranial Vault Thickness as a Species Indicator in Pleistocene *Homo*. Committee chair: R.L. Ciochon (U Iowa, Anthropology). Currently: Associate Professor (tenured), Department of History and Anthropology, Central Missouri University.
- 2013 Clare Tolmie. A Comparison of the Faunal Assemblages from Level Xc of the Grotte du Renne, Arcy-sur-Cure, Yonne, France and the Aurignacian I and II Occupations of Abri Cellier, Dordogne, France. Committee chair: J.E. Enloe (U Iowa, Anthropology). Currently: Senior Research Archaeologist, Illinois State Archaeological Survey.

- 2014 Andy D. Grass. Inferring Lifestyle and Locomotor Habits Through Ontogeny of Extinct Giant Ground Sloths from Scapula Morphology. Committee chair: A. Budd (U Iowa, Geoscience). Currently: Assistant Professor, Basic Sciences, New York Institute of Technology.
- 2017 Toby R. Avalos. Discerning Hominid Taxonomic Variation in the Southern Chinese, Peninsular Southeast Asian, and Sundaic Pleistocene Dental Record. Committee chair: R.L. Ciochon (U Iowa, Anthropology). Currently: Assistant Professor (tenure-track) Anthropology Program, Centralia College, Washington.
- 2018 Theodore P. Marks. Bedtime for the Middle Stone Age: Land Use, Foraging Strategies and Technology at the end of the Pleistocene in the Namib Desert. Committee chair: J.E. Enloe (U Iowa, Anthropology).
- ABD James McGrath. Ochre Based Paints and Personal Adornment in the Middle/Later Stone Age in Southern Africa (Pinnacle Point, Mossel Bay) and Modern Human Cognition. Committee chair: J.E. Enloe (Anthropology).
- ABD Ariane Thomas. Dogs as a Biological Marker of Past Human Behavior: The Effect of Human Cultural Identity and European Colonization on North American Indigenous Dog Populations. Committee chair: A. Kitchen (Anthropology).

Masters Committees Chaired

- 2001 Cynthia D. Toll. Neandertal Cervical Vertebrae and their Development and Functional Integration into the Ectobasicranium: Implications for Language, Behavior and Phylogeny. (M.A., U Iowa, Anthropology). Currently: Lab Coordinator, and Instructor Services Specialist, Department of Biology, University of Iowa.
- 2002 Valerie J. Grussing (Johnson). A Comparative Archaeological and Anatomical Study of Throwing Technology and Shoulders in the Late Pleistocene (M.A., U Iowa, Anthropology). Currently: Executive Director, National Association of Tribal Historic Preservation Officers (NATHPO) (PhD, East Carolina University 2009).
- 2004 K. Lindsay Hunter (Eaves-Johnson). Anthroposcopic and Metric Corroboration of Sex Documentation in the UI-Stanford Collection (M.A., U Iowa, Anthropology). Currently: Community Engagement & Advancement Director for the UCSD/Salk Center for Academic Research and Training in Anthropogeny (CARTA); Ph.D. Candidate in Archaeology, University of the Witwatersrand, Johannesburg, South Africa (2017-present).
- 2018 Sarah McCracken. Functional and Neuroanatomical Bases of Extant Hominoid Sleeping Dynamics and the Evolution of Hominin Sleep Patterns. (M.A., U Iowa, Anthropology). Currently: Facilitator for science programs, Museum of Science and Industry, Chicago.

Masters Committees Member

- 2002 Blythe A. Bowman Balestrieri (Bowman). Chemical Evidence for Differential Dietary Practice and Dental Health in Roman Dobrodja: A Strontium-Calcium Study. Committee chair: R.L. Ciochon (M.A., U Iowa, Anthropology). Currently: Tenured Associate Professor, Criminal Justice, L. Douglas Wilder School of Government and Public Affairs, Virginia Commonwealth University (Ph.D., Criminal Justice, University of Nebraska, Omaha).
- 2005 Matthew H. Caspersen. The Development of the Curve of Spee in Man. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2005 Cory B. Edwards. Timing of Facial Growth Completion by Dimension. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2007 Marlene A. Sanabria. Long-Term Effects of High Pull Headgear. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2007 Daniel B. Gabriel. Reproducibility Assessment of the Cervical Vertebrae Maturation Method. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2008 Todd W. Rasch. Investigation of Facial Suture Forces. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2008 Laura E. Low. Chin Development in Extant Modern Humans: A Longitudinal Study of a Normal Sample. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2009 Trenton S. Nestman. Reliability of the Morphologic Criteria used in the Cervical Vertebral Maturation Method. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2009 Layne McCord. In Vitro Interproximal Tooth Wear: A Feasibility Study. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2009 Suzanne Stock. Investigation of Depository and Resorptive Surfaces of Bone Using the Scanning Electron Microscope / Replicate Technique. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2009 Steven N. Woodall. Effect of Mini-screw Angulation on Skeletal Orthodontic Anchorage. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2010 Maura J. Vroman. Differential Growth of the Frontonasal Suture. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2011 Nicholas R. Smith. In Vivo Interproximal Tooth Wear: A Feasibility Study. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).

- 2012 Nathan W. Johnson. Correlation between rate of interproximal wear and measures of facial development in all three planes. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2012 Karl E. Swenson. Nasal septal deviation in a longitudinal study. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2013 Laura L. Bonner. Sexual Dimorphism in Symphyseal Rigidity: A Longitudinal Study. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2013 Brendon Swenson. Interproximal Tooth Wear: An In Vitro Pilot Study. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2013 Mina Abdolahi. The Relationship between the Absence of Third Molars and the Development and Eruption of the Adjacent Second Molar. Committee chair: T.E. Southard (M.S., U Iowa, Orthodontics).
- 2019 Thomas Welk. A Candidate Gene Approach to Assessing Phenotype/Genotype Associations in the Nasal Complex. Committee chair: N.E. Holton (M.S., U Iowa, Orthodontics).
- 2019 Joshua McKinney. Committee chair: Andrew Kitchen (M.A., U Iowa, Anthropology)

Undergraduate Honors Theses Directed

- 2000 Adam Stricker. Absence of Third Metatarsal and Third Cuneiform Articular Surface Defects in the Foot Skeleton of *Gorilla*, *Pan*, *Pongo*, and *Hylobates*. (B.A., U Iowa, Anthropology).
- 2000 Michelle Nebergall. Paradigmatic Issues in Modern Human Origins Research. (B.A., U Iowa, Anthropology). Currently: Manager, Fred Hutchinson Cancer Research Center, Johannesburg, South Africa (Ph.D., Medical Anthropology, Case Western Reserve University, 2014).
- 2000 Connie Fellmann. On the Taxonomic Validity of *Homo erectus* and *Homo ergaster*. (B.A., U Iowa, Anthropology). Currently: Special Assistant Professor, Department of Anthropology, Colorado State University (Ph.D., Anthropology, New York University, 2011).
- 2001 Karmen Gardner (Blair). A Developmental Shift in Judgment of Female Facial Attractiveness. (B.A., U Iowa, Anthropology). Currently: Corporate Communications Manager, Pella, Iowa.
- 2001 Heather Jenkins. Neandertal Paleodemography: Problems and Prospects. (B.A., U Iowa, Anthropology). Currently: Lawyer, Denver Colorado (J.D., University of Iowa, 2014).

- 2006 Amy Michael. Differential Diagnosis of Facial Pathology in Dolní Věstonice 3: Bio-behavior in the Gravettian of Central Europe. (B.A., U Iowa, Anthropology). Currently: Visiting Assistant Professor, Department of Anthropology, Idaho State University (Ph.D., Anthropology, Michigan State University, 2016).
- 2006 Brady Ahearn. Patterns of Sexual Dimorphism in Human Cross-sectional Rib Anatomy. (B.A., U Iowa, Anthropology). Currently: Neonatal Physician, University of Iowa Clinics (M.D., SUNY Downstate Medical Center College of Medicine, 2010; Residency, University of Iowa Hospitals and Clinics).
- 2009 John Willman. Scapular Axillary Border Sulcus Variation in Anatomically Modern Humans and Neandertals: A Cross-sectional Approach. Funded with IREU. *Project completed with publication in lieu of thesis* (B.A., U Iowa, Anthropology). Currently: Postdoctoral Fellow, Institut Català de Paleoecologia Humana i Evolució Social (IPHES), Tarragona, Spain (Ph.D., Anthropology, Washington University, St. Louis, 2016).
- 2010 Myra Laird. The Influence of Lower Facial Projection on the Mandibular Curve of Spee in Fossil Hominins and Extant Humans. Funded with ICRU (B.S., U Iowa, Anthropology). Currently: Assistant Professor, Clinical Integrative Anatomical Sciences, Keck School of Medicine, University of Southern California (Ph.D., Anthropology, New York University, 2016).
- 2012 Krystal Literman (Wikstrom). Computed Tomography Analysis of Skeletal Limb Structure in Wolves vs. Domesticated Dogs. Funded with ICRU (B.S., U Iowa, Anthropology). Currently: Lab Technician, Science Writer & Editor, DuPont Pioneer, Johnston, Iowa. (M.S., Ecology and Evolutionary Biology, Iowa State University, 2016).
- 2014 Lily Doershuk. The Morphological Relationship between the Premaxillary Region and Nasal Septum in European- and African-derived Adult Samples. Funded with ICRU (B.S., U Iowa, Anthropology). Currently: Ph.D. student, Department of Anthropology, Penn State University; recipient of 2017 NSF Graduate Fellowship Award).
- 2014 Isabella Ayala. Scapular Border Variability in the Gravettian Dolní Věstonice 14 Individual and its Biological Significance. (B.S., U Iowa, Anthropology).
- 2016 Chloe Daniel. The Role of Handedness in Stone Tool Manufacture: An Experimental Study. (B.S., U Iowa, Anthropology). Currently: in the Cognitive Science PhD Program, Indiana University.
- 2019 Alexis Williams. Testing Historical Admixture Effects in U.S. African-Americans: Morphology vs. Genes. Funded with ICRU (B.S., U Iowa, Anthropology). Currently: Ph.D. program in Human Paleobiology at George Washington University.

Undergraduate Internships/Fellowships Directed

2015 Brianna Hoffmann. Comparing 2D:4D Skeletal Hand Proximal Phalanx Length Ratio Length with Associated Skeletal Facial Morphology in Adult Males. Funded with ICRU (B.S., U Iowa, Anthropology).

University Courses Taught

Human Origins (Introduction to Biological Anthropology)
Human Variation
Human Osteology
Human Evolutionary Anatomy
The Neanderthal Enigma
Origins of Modern Humans
Laboratory Methods in Biological Anthropology
Graduate Seminar in Biological Anthropology
Advanced Graduate Seminar in Paleoanthropology (co-taught)
Evolution and Life in the Universe (co-taught)

SERVICE (Professional)

External Reviews of Departments and Individual Scholarship

2018 Departmental Review: Anthropology, University of Buffalo, SUNY
2017 Full Professor Promotion case: Anthropology, University of California, Davis
2015 Tenure and Promotion case: Anthropology, University of Binghamton, SUNY
2015 Tenure and Promotion case: Anthropology, University of Missouri, Columbia
2015 Tenure and Promotion case: Anthropology, University of Binghamton, SUNY
2013 Tenure and Promotion case: Anthropology, University of Illinois, Urbana
2010 Tenure and Promotion case: Anthropology, Texas A&M University
2010 Tenure and Promotion case: Anthropology, University of Illinois, Urbana
2005 Tenure and Promotion case: Anthropology, University of Wyoming

Professional Committees

2004-2005 Student Awards Committee: American Association of Physical Anthropologists

Journal Peer Review

American Journal of Human Biology
American Journal of Physical Anthropology (reviewer and Book Review Editor: 2010-2012)
Anatomical Record
Anthropological Science
Evolutionary Anthropology
Humanities
Journal of Archaeological Science
Journal of Human Evolution (reviewer and Associate Editor: 2006-2009)

Nature Communications
Nature Ecology & Evolution
PaleoAnthropology
PLoS ONE
Proceedings of the National Academy of Sciences
South African Journal of Science

Reviews for Book Presses

Cambridge University Press
John Wiley & Sons, Inc.

Reviews for Granting Agencies

L.S.B. Leakey Foundation
National Science Foundation
John Simon Guggenheim Memorial Foundation

Forensic Consulting and Identification

2018 Woodpecker Cave, North Liberty: Archaeological Identification (9/10/18)
2018 Scott County Medical Examiner/UI Pathology: Case A18-388 (8/30/18)
2018 Jefferson/Wapello County Medical Examiner case (4/26/18)
2018 Des Moines County/UI Pathology: Case# A18-26 (1/15/18)
2017 Johnson County Medical Examiner, Iowa City, Iowa (Re: Case 98015626) 5/12/17
2016 Des Moines County/UI Pathology: Case# A16-503 (11/4/16)
2016 Wapello/Jefferson County Medical Examiner's Office, Ottumwa Police case: 9/22/16
2015 Wapello County Medical Examiner's Office, Ottumwa Police case# 2015-00059265
2014 UI Autopsy Service and Anatomic Pathology, Johnson County Case (9/29/14)
2013 UI Autopsy Service and Anatomic Pathology, Johnson County Case A13-329
2013 Jefferson County Medical Examiner's Office, Fairfield Iowa, Case PD1305065
2012 UI Autopsy Service and Anatomic Pathology, Muscatine County Case A12-408
2011 UI Autopsy Service and Anatomic Pathology, Scott County Case A11-462
2011 Johnson County Medical Examiner's Office, Iowa City, Case 11-52-193
2011 UI Autopsy Service and Anatomic Pathology, Johnson County
2010 Johnson County Medical Examiner's Office, Iowa City, Case 10-52-442
2007 UI Autopsy Service and Anatomic Pathology
2006 Iowa City Police Department, Iowa City, Iowa, Case 2006031032
2002 Linn County Sheriff's Department, Cedar Rapids, Iowa, Case 01-44495
2001 Linn County Sheriff's Department, Cedar Rapids, Iowa, Case 01-22835
2001 Muscatine County Sheriff's Office, Muscatine, Iowa, Case 01-8173
2000 Johnson County Sheriff's Department, Iowa City, Iowa, Case 00015098
1999 Moyer & Bergman, PLC, Cedar Rapids, Iowa, Case 10/29/1999
1999 Linn County Sheriff's Department, Cedar Rapids, Iowa, Case 99-9243
1999 Linn County Sheriff's Department, Cedar Rapids, Iowa, Case 99-01527
1998 Johnson County Sheriff's Department, Iowa City, Iowa, Case 98015626

SERVICE (Collegiate and University Level Primary Positions)

2018-2019	Associate Department Chair, Anthropology
2018-2019	Review Committee for Career Development Award Proposals: UI College of Liberal Arts and Sciences
2014-2017	Collegiate Committee for Promotion & Tenure Decisions: UI College of Liberal Arts and Sciences
2017	Associate Department Chair, Anthropology (spring)
2016	Department Chair, Anthropology (fall)
2016	Nominating Committee: UI College of Dentistry and Dental Clinics, Ross D. Christiansen Endowed Professor of Orthodontics
2015-2016	Social Sciences Subcommittee for Graduate College Strategic Assessment of UI Doctoral Graduate Programs
2013-2014	Committee (Convener): External Review of UI Department of Statistics & Actuarial Science
2010-2013	Associate Department Chair, Anthropology
2013	NSF ADVANCE UI Proposal Committee: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers
2013	Nominating Committee: UI College of Dentistry and Dental Clinics, B.F. Dewel Chair in Clinical Orthodontics
2004, 2010	Department Chair, Anthropology (Summer)
2007	Grant review panel member: UI Office of the Vice President for Research Biological Sciences Funding Program
2004-2007	UI Admissions Committee, College of Liberal Arts and Sciences (Social Sciences)
2000-2001	UI Museum of Natural History Steering Committee

SERVICE (Department Level Primary Positions)

Departmental Executive Committee (2014-2019)
Director of Graduate Studies (2006-2008, spring 2009)
Curriculum Director (2012-2016, 2010, 2003-2005)