

# MARK HUBBE

Department of Anthropology  
The Ohio State University  
174W 18th Ave.  
43210 Columbus, OH  
+1-614-292-9770  
hubbe.1@osu.edu  
webpage: u.osu.edu/heads

## EDUCATION

Ph.D., Biology and Genetics, Universidade de São Paulo, São Paulo, Brazil, 2006.  
Dissertation: *Análise biocultural dos remanescentes ósseos humanos de Porto do Rio Vermelho 02 (sc-prv-02) e suas implicações para a colonização da costa brasileira [Biocultural analyses of human osteological remains from the Shellmound Porto do Rio Vermelho 02 (SC-PRV-02) and their implications for the settlement of the Southeast Brazilian Coast].*

Advisor: Walter A. Neves

Ph.D. Committee: Walter A. Neves (Chair); Marco Aurelio De Masi; Sabine Eggert; Tania Andrade Lima; Sheila Mendonça de Souza.

B.S., Biology, Universidade de São Paulo, 2001.

## RESEARCH & TEACHING INTERESTS

Human Evolution, Skeletal Biology, Morphological Adaptation and Differentiation, Modern Human Dispersion, Settlement of the Americas, Atacameño Prehistory, Life-style Changes and Adaptation, Bioarchaeology, Quantitative Methods.

## ACADEMIC POSITIONS

**Associate Professor**, Department of Anthropology, The Ohio State University, Columbus, June 2015 - present

**Assistant Professor**, Department of Anthropology, The Ohio State University, Columbus, August 2012 - June 2015.

**Adjunct Professor**, Instituto de Investigaciones Arqueológicas y Museo, Universidad Católica del Norte, Chile, August 2012 - present.

**Director**, Instituto de Investigaciones Arqueológicas y Museo, Universidad Católica del Norte, Chile, August 2007 - March 2011.

**Associate Professor and Curator of Physical Anthropology**, Instituto de Investigaciones Arqueológicas y Museo, Universidad Católica del Norte, Chile, June 2006 - July 2012.

**Research Assistant and Lab Supervisor**, Laboratório de Estudos Evolutivos Humanos, Departamento de Genética e Biologia Evolutiva, Instituto de Biociências, Universidade de São Paulo, Brazil, May 2005 - May 2006.

## MANUSCRIPTS CURRENTLY UNDER REVIEW

### PEER-REVIEWED JOURNAL ARTICLES

1. MARKLEIN, Kathryn; TORRES-ROUFF, Christina; KING, Laura; **HUBBE, Mark**. In Press. The precarious state of subsistence: reevaluating dental pathological lesions associated with agricultural and hunter-gatherer lifeways. *Current Anthropology*.  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 40%
2. MORITZ, Mark; GARDINER, Elizabeth; **HUBBE, Mark**; JOHNSON, Amber L. In Press Comparative Study of Pastoral Property Regimes in Africa offers no support for Economic Defensibility Model. *Current Anthropology*.  
Contribution: Analyzed data.  
Percentage of contribution: 5%
3. HORBALY, Haley E.; KENYHERCZ, Michael W.; **HUBBE, Mark**; STEADMAN, Dawnie W. 2019. The Influence of Body Size on the Expression of Sexually Dimorphic Morphological Traits. *Journal of Forensic Sciences* 64: 52-57. DOI: 10.1111/1556-4029.13850.  
Contribution: Co-designed study; partially wrote manuscript.  
Percentage of contribution: 20%
4. POSTH, Cosimo; NAKATSUKA, Nathan; LAZARIDIS, Iosif; SKOGLUND, Pontus; MALLICK, Swapan; LAMNIDIS, Thiseas C.; ROHLAND, Nadin; NÄGELE, Kathrin; ADAMSKI, Nicole; BERTOLINI, Emilie; BROOMANDKHOSHBAHT, Nasreen; COOPER, Alan; CULLETON, Brendan J.; FERRAZ, Tiago; FERRY, Matthew; FURTWÄNGLER, Anja; HAAK, Wolfgang; HARKINS, Kelly; HARPER, Thomas K.; HÜNEMEIER, Tábita; LAWSON, Ann Marie; LLAMAS, Bastien; MICHEL, Megan; NELSON, Elizabeth; OPPENHEIMER, Jonas; PATTERSON, Nick; SCHIFFELS, Stephan; SEDIG, Jakob; STEWARDSON, Kristin; TALAMO, Sahra; WANG, Chuan-Chao; HUBLIN, Jean-Jacques; **HUBBE, Mark**; HARVATI, Katerina; DELAUNAY, Amalia Nuevo; BEIER, Judith; FRANCKEN, Michael; KAULICKE, Peter; REYES-CENTENO, Hugo; RADEMAKER, Kurt; TRASK, Willa R.; ROBINSON, Mark; GUTIERREZ, Said M.; PRUFER, Keith M.; SALAZAR-GARCIA, Domingo C.; CHIM, Eliane Nunes; GOMES, Lisiane M. P.; ALVES, Marcony Lopes; LIRYO, Andersen; INGLEZ, Mariana; OLIVEIRA, Rodrigo Elias; BERNARDO, Danilo V.; BARIONI, Alberto; WESOLOWSKI, Veronica; SCHEIFLER, Nahuel A.; RIVERA, Mario A.; PLENS, Claudia R.; MESSINEO, Pablo G.; FIGUTI, Levy; CORACH, Daniel; SCABUZZO, Clara; EGGERS, Sabine; DEBLASIS, Paulo; REINDEL, Markus; MÉNDEZ, César; POLITIS, Gustavo; TOMASTO-CAGIGAO, Elsa; KENNETT, Douglas J.; STRAUSS, André; FEHREN-SCHMITZ, Lars; KRAUSE, Johannes; REICH, David. 2018. Reconstructing the Deep Population History of Central and South America. *Cell* 175:1185-1197. DOI: 10.1016/j.cell.2018.10.027.  
Contribution: Partially wrote manuscript.  
Percentage of contribution: 5%
5. TORRES-ROUFF, Christina; PESTLE, William J.; **HUBBE, Mark**. 2018. Wearing the marks of violence: Unusual trauma patterning at Coyo Oriental, northern Chile (AD 400-1000). *American Journal of Physical Anthropology*. DOI: 10.1002/ajpa.23600  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.

Percentage of contribution: 30%

6. DA-GLORIA, Pedro; NEVES, Walter A.; **HUBBE, Mark**. 2018. Lagoa Santa's contribution to the origins and life of early Americans. *Evolutionary Anthropology*. DOI: 10.1002/evan.21587.  
Contribution: Co-designed study, partially wrote manuscript.  
Percentage of contribution: 25%
7. **HUBBE, Mark**; GREEN, Madelyn K.; CHEVERKO, Colleen M.; NEVES, Walter A. 2018. Brief communication: a re-evaluation of the health index of southern Brazilian shellmound populations. *American Journal of Physical Anthropology* 165:353-362. DOI: 10.1002/ajpa.23346  
Contribution: Designed study; collected and analyzed data; wrote manuscript.  
Percentage of contribution: 70%
8. KUZMINSKY, Susan C.; REYES, Omar B.; ARRIAZA, Bernardo; MÉNDEZ, César; STANDEN, Vivien G.; ROMÁN, Manuel San; MUÑOZ, Iván; DURÁN HERRERA, Ángel; **HUBBE, Mark**. 2018. Investigating Cranial Morphological Variation of Early Human Skeletal Remains from Chile: A 3D Geometric Morphometric Approach. *American Journal of Physical Anthropology* 165: 223-237. DOI: 10.1002/ajpa.23344  
Contribution: Analyzed data; partially wrote manuscript.  
Percentage of contribution: 15%
9. DA-GLORIA, Pedro; NEVES, Walter A.; **HUBBE, Mark**. 2017. História das pesquisas bioarqueológicas em Lagoa Santa, Minas Gerais, Brasil. *Boletim do Museu Paraense Emílio Goeldi. Ciências Humanas* 12: 919-936. DOI: 10.1590/1981.81222017000300014  
Contribution: Co-designed study; partially wrote manuscript.  
Percentage of contribution: 30%
10. HADDAD-MARTIM, Paulo Miguel; HUBBE, Alex; GIANNINI, Paulo César Fonseca; AULER, Augusto Sarreiro; PILÓ, Luís Beethoven; **HUBBE, Mark**; MAYER, Elver; WANG, Xianfeng; CHENG, Hai; EDWARDS, R. Lawrence; NEVES, Walter Alves. 2017. Quaternary depositional facies in cave entrances and their relation to landscape evolution: The example of Cuvieri Cave, eastern Brazil. *Catena* 157: 372-387. DOI: 10.1016/j.catena.2017.05.029  
Contribution: Co-designed study; partially wrote manuscript.  
Percentage of contribution: 15%
11. CHEVERKO, Colleen; **HUBBE, Mark**. 2017. Technical note: comparisons of statistical techniques to assess age-related skeletal markers in bioarchaeology. *American Journal of Physical Anthropology* 163: 407-416. DOI 10.1002/ajpa.23206  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 50%
12. HERRERA, Brianne; PEART, Daniel; HERNANDEZ, Nicole; SPRADLEY, Kate; **HUBBE, Mark**. 2017. Morphological variation among Late Holocene Mexicans: Implications for the discussion about the human occupation of the Americas. *American Journal of Physical Anthropology* 163: 75-84. DOI 10.1002/ajpa.23186  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 35%
13. PESTLE, William J.; TORRES-ROUFF, Christina; **HUBBE, Mark**; SMITH, Erin. 2017. Eating out or dining in: Modelling diverse dietary strategies in Middle Period San

- Pedro de Atacama, Chile. *Archaeological and Anthropological Sciences* 9: 1363-1377. DOI: 10.1007/s12520-016-0398-9  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 25%
14. VON CRAMON-TAUBADEL, Noreen; STRAUSS, André; **HUBBE, Mark**. 2017. Evolutionary population history of early Paleoamerican cranial morphology. *Science Advances*, 3: e1602289. DOI: 10.1126/sciadv.1602289  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 40%
15. KUZMINSKY, Susan C.; TUNG, Tiffany; **HUBBE, Mark**; VILLASEÑOR-MARCHAL, Antonio. 2016. The Application of 3D Geometric Morphometrics and Laser Surface Scanning to Investigate the Standardization of Cranial Vault Modification in the Andes. *Journal of Archaeological Sciences: Reports*, 10: 507-513. DOI: 10.1016/j.jasrep.2016.11.007  
Contribution: Analyzed data; partially wrote manuscript.  
Percentage of contribution: 20%
16. STRAUSS, André; DE-OLIVEIRA, Rodrigo; VILLAGRAN, Ximena; BERNARDO, Danilo; SALAZAR GARCIA, Domingo Carlos; BISSARO Jr., Marcos César; PUGLIESE, Francisco; HERMENEGILDO, Tiago; SANTOS, Rafael; BARIONI, Alberto; HERNANI, Max; **HUBBE, Mark**; INGLEZ, Mariana; MACHADO, Márcia Corrêa; KOWASHITA, Koji; CEMALE Jr., Farid; O'CONNELL, Tamsin C.; TALAMO, Saha; BLACK, Sue; WILKINSON, Caroline; FEATHERS, James; RICHARDS, Michael Phillip; KIPNIS, Renato; ARAUJO, Astolfo; NEVES, Walter. 2016. Early Holocene ritual complexity in South America: the archaeological record of Lapa do Santo (east-central Brazil). *Antiquity* 90: 1454-1473. DOI: 10.15184/aqy.2016.220  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.  
Percentage of contribution: 15%
17. CLARK, Melissa; GUATELLI-STEINBERG, Debbie; **HUBBE, Mark**; STOUT, Sam. 2016. Quantification of Maxillary Dental Arcade Curvature and the Estimation of Biological Ancestry in Forensic Anthropology. *Journal of Forensic Sciences* 61: 141-146. DOI: 10.1111/1556-4029.12910.  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.  
Percentage of contribution: 25%
18. PESTLE, William J.; TORRES-ROUFF, Christina; **HUBBE, Mark**. 2016. Modeling diet in times of change: The case of Quito, San Pedro de Atacama, Chile. *Journal of Archaeological Sciences: Reports*, 7: 82-93. DOI: 10.1016/j.jasrep.2016.03.048  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.  
Percentage of contribution: 30%
19. LÓPEZ-BARRALES, Rocío; **HUBBE, Mark**; ASPILLAGA, Eugenio; NIEMEYER, Hermann M. 2015. Niveles de cortisol en cabellos de poblaciones prehispánicas de San Pedro de Atacama, Norte de Chile. *Chungará*, 47: 679-689. DOI: 10.4067/S0717-73562015005000020  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.  
Percentage of contribution: 25%
20. PESTLE, William; TORRES-ROUFF, Christina; **HUBBE, Mark**; SANTANA, Francisca; PIMENTEL, Gonzalo; GALLARDO, Francisco; KNUDSON, Kelly. 2015. Explorando la diversidad dietética en la prehistoria del Desierto de Atacama: un acercamiento a los

patrones regionales. *Chungará*, 47: 202-209. DOI: 10.4067/S0717-73562015005000013

Contribution: Co-designed study; partially wrote manuscript.  
Percentage of contribution: 20%

21. **HUBBE, Mark**; STRAUSS, André; HUBBE, Alex; NEVES, Walter A. 2015. Early South Americans Cranial Morphological Variation and the Origin of American Biological Diversity. *PLoS One*, 10: e0138090. DOI:10.1371/journal.pone.0138090.  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 75%

22. STRAUSS, André; OLIVEIRA, Rodrigo E.; BERNARDO, Danilo; SALAZAR GARCIA, Domingo Carlos; JOUEN, Klervia; TALAMO, Sahra; **HUBBE, Mark**; BLACK, Sue; WILKINSON, Caroline; RICHARDS, Michael P.; HUBLIN, Jean-Jacques; ARAUJO, Astolfo; KIPNIS, Renato; NEVES, Walter. 2015. The oldest case of decapitation in the New World. *PLoS One*, 10: e0137456. DOI:10.1371/journal.pone.0137456.  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.  
Percentage of contribution: 15%

23. STEWARD, Marissa; GOLIATH, Jesse R.; STOUT, Sam D.; **HUBBE, Mark**. 2015. Intraskelletal Variability of Relative Cortical Area in Humans. *Anatomical Records*, 298:1635-1643. DOI: 10.1002/ar.23181  
Contribution: Analyzed data.  
Percentage of contribution: 10%

24. LÓPEZ-BARRALES, Rocío; **HUBBE, Mark**; ASPILLAGA, Eugenio; NIEMEYER, Hermann M. 2015. Osteofitosis vertebral en poblaciones prehispánicas de San Pedro de Atacama, Norte de Chile. *Estudios Atacameños*, 50: 177-194. DOI: 10.4067/S0718-10432015000100009  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.  
Percentage of contribution: 35%

25. PESTLE, William J.; **HUBBE, Mark**; SMITH, Erin K.; STEVENSON, Joseph M. 2015. A linear model for predicting  $\delta^{13}\text{C}_{\text{protein}}$ . *American Journal of Physical Anthropology*, 157:694-703. DOI: 10.1002/ajpa.22743  
Contribution: Analyzed data; partially wrote manuscript.  
Percentage of contribution: 25%

26. REYES-CENTENO, Hugo; **HUBBE, Mark**; HANIHARA, Tsuheniko; HARVATI, Katerina; STRINGER, Cris. 2015. Testing Modern Human Out-of-Africa Dispersal Models and Implications on Modern Human Origins. *Journal of Human Evolution*, 87: 95-106. DOI: 10.1016/j.jhevol.2015.06.008  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.  
Percentage of contribution: 20%

27. SANTANA, Francisca; **HUBBE, Mark**; URIBE, Mauricio. 2015. Isotopic Evidence for Marine Consumption and Mobility in the Atacama Desert (Quillagua, Northern Chile). *International Journal of Osteoarchaeology*. DOI: 10.1002/oa.2437  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.  
Percentage of contribution: 35%

28. STRAUSS, André; **HUBBE, Mark**; NEVES, Walter A.; BERNARDO, Danilo V.; ATUÍ, João Paulo. 2015. The cranial morphology of the Botocudo Indians, Brazil. *American Journal of Physical Anthropology*, 157: 202-216. DOI: 10.1002/ajpa.22703

Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 45%

29. **HUBBE, Mark**. 2015. Walter Neves and the Pursuit of the First South Americans. *Paleoamerica*, 1: 131-133. DOI: 10.1179/2055556315Z.00000000015  
Contribution: Wrote manuscript.  
Percentage of contribution: 100%
30. NEVES, Walter A.; **HUBBE, Mark**; STRAUSS, André; BERNARDO, Danilo V. 2014. Morfologia craniana dos remanescentes ósseos humanos da Lapa do Santo, Lagoa Santa, MG: implicações para o povoamento das Américas [Cranial morphology of the human skeletal remains from Lapa do Santo, Lagoa Santa, Minas Gerais, Brazil: implications for the settlement of the Americas]. *Boletim do Museu Paraense Emílio Goeldi. Ciências Humanas*, 9: 715-741. DOI: 10.1590/1981-81222014000300012  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 40%
31. **HUBBE, Mark**; OKUMURA, Mercedes; BERNARDO, Danilo V.; NEVES, Walter A. 2014. Cranial morphological diversity of Early, Middle and Late Holocene Brazilian groups: implications for the human dispersion in the Brazilian territory. *American Journal of Physical Anthropology*, 155: 546-558. DOI: 10.1002/ajpa.22607  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 75%
32. PIPERATA, Barbara; **HUBBE, Mark**; SCHMEER, Kammi. 2014. Intra-population variation in anemia status and its relationship to economic status and self-perceived health in the Mexican Family Life Survey (MxFLS): implications for bioarchaeology. *American Journal of Physical Anthropology* 155: 210- 220. DOI: 10.1002/ajpa.22543  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 45%
33. TORRES-ROUFF, Christina; KNUDSON, Kelly; **HUBBE, Mark**. 2013. Issues of affinity: Exploring population structure in the middle and regional developments periods of San Pedro de Atacama, Chile. *American Journal of Physical Anthropology* 152:370–382. DOI: 10.1002/ajpa.22361  
Contribution: Co-designed study; analyzed data; partially wrote manuscript.  
Percentage of contribution: 40%
34. TORRES-ROUFF, Christina; **HUBBE, Mark**. 2013. The sequence of human occupation in the Atacama Oases, Chile: A radiocarbon chronology based on human skeletal remains. *Latin American Antiquity*, 24: 330-344. DOI: 10.7183/1045-6635.24.3.330  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 50%
35. HUBBE, Alex; **HUBBE, Mark**; NEVES, Walter A. 2013. The Brazilian megamastofauna of the Pleistocene/Holocene transition and its relationship with the early human settlement of the continent. *Earth-Science Review*, 118: 1-10. DOI: 10.1016/j.earscirev.2013.01.003  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 40%
36. HUBBE, Alex; **HUBBE, Mark**; KARMANN, Ivo; CRUZ, Francisco W. ; NEVES, Walter A. 2013. Insights into Holocene megafauna survival and extinction in southeastern

Brazil from 2 new AMS 14C dates. *Quaternary Research*, 79: 152-157. DOI: 10.1016/j.yqres.2012.11.009

Contribution: Co-designed study; wrote manuscript.

Percentage of contribution: 30%

37. URZÚA ARAYA, I.; CABELLO IBACACHE, R.; RODRÍGUEZ MARTÍNEZ, G.; GALLARDO CORTES, S.; SÁNCHEZ GONZÁLEZ, J.; **HUBBE, M.** 2012. Severidad de caries y pérdida de dientes de una población pre-Hispánica del norte de Chile [Caries severity and tooth loss in an ancient pre-Columbian culture in the north of Chile]. *Rev. Clin. Periodoncia Implantol. Rehabil. Oral*, 5: 66-68. DOI: 10.4067/S0719-01072012000200002

Contribution: Partially wrote manuscript.

Percentage of contribution: 5%

38. HUBBE, Alex; HADDAD-MARTIN, Paulo M.; **HUBBE, Mark**; NEVES, Walter A. 2012. Comments on: "An anthropogenic modification in an Eremotherium tooth from northeastern Brazil". *Quaternary International*, 269: 94-96. DOI: 10.1016/j.quaint.2012.01.029

Contribution: Co-designed study; wrote manuscript.

Percentage of contribution: 25%

39. **HUBBE, Mark**; TORRES-ROUFF, Christina; NEVES, Walter A.; KING, Laura; DA-GLORIA, Pedro; COSTA, Maria Antonietta. 2012. Dental health in northern Chile's Atacama oases: evaluating the Middle Horizon (AD 500-1000) impact on local diet. *American Journal of Physical Anthropology*, 148: 62-72. DOI: 10.1002/ajpa.22042

Contribution: Designed study; analyzed data; wrote manuscript.

Percentage of contribution: 65%

40. MARTINS, Felipe; **HUBBE, Mark**. 2012. Craniometric diversity of the common vampire bat (*Desmodus rotundus*) in Central and South America. *Journal of Mammalogy*, 93: 579-588. DOI: 10.1644/11-MAMM-A-170.1

Contribution: Co-designed study; analyzed data; wrote manuscript.

Percentage of contribution: 45%

41. **HUBBE, Mark**; OVIEDO, Macarena, TORRES-ROUFF. 2011. El estado de conservación de la colección osteológica Gustavo Le Paige y su contextualización cronológica [Conservation status of the osteological collection Gustavo Le Paige and its chronological context]. *Estudios Atacameños*, 41: 29-44. DOI: 10.4067/S0718-10432011000100003

Contribution: Designed study; collected and analyzed data; wrote manuscript.

Percentage of contribution: 70%

42. HUBBE, Alex; HADDAD-MARTIM, Paulo; **HUBBE, Mark**; MAYER, Elver; STRAUSS, André; AULER, Augusto; PILÓ, Luis; NEVES, Walter. 2011. Identification and importance of critical depositional gaps in pitfall cave environments: the fossiliferous deposit of Cuvieri Cave, eastern Brazil. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 312: 66-78. DOI: 10.1016/j.palaeo.2011.09.010

Contribution: Co-designed study; wrote manuscript.

Percentage of contribution: 25%

43. PIPERATA, Barbara; SPENCE, Jennifer E.; DA GLORIA, Pedro; **HUBBE, Mark**. 2011. The nutrition transition in Amazonia: Rapid economic change and its impact on growth and development in Ribeirinhos. *American Journal of Physical Anthropology*, 146: 1-13. DOI: 10.1002/ajpa.21459

Contribution: Analyzed data; partially wrote manuscript.  
Percentage of contribution: 10%

44. **HUBBE, Mark**; HARVATI, Katerina; NEVES, Walter A. 2011. Paleoamerican morphology in the context of European and East Asian late Pleistocene variation: implications for human dispersion into the new world. *American Journal of Physical Anthropology*, 144: 442-453. DOI: 10.1002/ajpa.21425  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 70%
45. **HUBBE, Mark**; NEVES, Walter A.; HARVATI, Katerina. 2010. Testing Evolutionary and Dispersion Scenarios for the Settlement of the New World. *PLoS ONE*, 5: e111105. DOI: 10.1371/journal.pone.0011105  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 75%
46. STRAUSS, André; **HUBBE, Mark**. 2010. Craniometric Similarities Within and Between Human Populations in Comparison with Neutral Genetic Data. *Human Biology*, 82: 315-320. DOI: 10.3378/027.082.0305  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 45%
47. HUBBE, Alex; **HUBBE, Mark**; NEVES, Walter A. 2009. New Late-Pleistocene dates for the extinct megafauna of Lagoa Santa, Brazil. *Current Research in the Pleistocene*, 26: 154-156.  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 35%
48. **HUBBE, Mark**; HANIHARA, Tsuneniko, HARVATI, Katerina. 2009. Climate signatures in the morphological differentiation of worldwide modern human populations. *The Anatomical Record* 292: 1720-1733. 10.1002/ar.20976  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 70%
49. **HUBBE, Mark**; NEVES, Walter A.; OLIVEIRA, Emiliano C.; STRAUSS, André. 2009. Postmarital residence practices in southern Brazilian coastal groups: Continuity and change. *Latin American Antiquity*, 20: 267-278. DOI: 10.1017/S1045663500002637  
Contribution: Designed study; collected and analyzed data; wrote manuscript.  
Percentage of contribution: 75%
50. NEVES, Walter; BLUM, Max; **HUBBE, Mark**; WESOLOWSKI, Veronica; BARTOLOMUCCI, Rafael. 2009. Os remanescentes ósseos humanos do vale do rio Peruaçu, Minas Gerais: cura, caracterização geral e afinidades biológicas [The human skeletal remains from the Peruaçu River Valley, Minas Gerais: Curation, general characterization and biological affinities]. *Arquivos do Museu Natural e Jardim Botânico*, 19: 187-208.  
Contribution: Partially wrote manuscript.  
Percentage of contribution: 10%
51. NEVES, Walter A.; **HUBBE, Mark**. 2008. Paleoamerican morphology's dispersion in the New World and its implications for the settlement of the Americas. *FUNDAMENTOS*, 7: 204-224.  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 45%



52. HUBBE, Alex; **HUBBE, Mark**; NEVES, Walter A. 2007. Early Holocene survival of Megafauna in South America. *Journal of Biogeography*, 34: 1642-1646. DOI: 10.1111/j.1365-2699.2007.01744.x  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 35%
53. **HUBBE, Mark**; NEVES, Walter A.; AMARAL, Heleno L. & GUIDÓN, Niede. 2007. "Zuzu" Strikes Again—Morphological Affinities of the Early Holocene Human Skeleton From Toca dos Coqueiros, Piauí, Brazil. *American Journal of Physical Anthropology*, 134: 285-291. DOI: 10.1002/ajpa.20668  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 70%
54. NEVES, Walter A.; **HUBBE, Mark**; CORREAL, Gonzalo. 2007. Human Skeletal Remains From Sabana de Bogotá, Colombia: A Case of Paleoamerican Morphology Late Survival in South America? *American Journal of Physical Anthropology*, 133: 1080-1098. DOI: 10.1002/ajpa.20637  
Contribution: Analyzed data; partially wrote manuscript.  
Percentage of contribution: 30%
55. NEVES, Walter A.; **HUBBE, Mark**; PILÓ, Luis Beethoven. 2007. Early Holocene human skeletal remains from Sumidouro Cave, Lagoa Santa, Brazil: History of discoveries, geological and chronological context, and comparative cranial morphology. *Journal of Human Evolution*, 52: 16-30. DOI: 10.1016/j.jhevol.2006.07.012  
Contribution: Analyzed data; partially wrote manuscript.  
Percentage of contribution: 30%
56. **HUBBE, Mark**; NEVES, Walter A. 2007. On the Misclassification of Human Crania: Are there any Implications for Assumptions about Human Variation? *Current Anthropology*, 48: 285-288.  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 85%
57. NEVES, Walter; **HUBBE, Mark**; OKUMURA, Maria Mercedes M.; GONZÁLEZ-JOSÉ. Rolando; FIGUTI, Levy; EGGERS, Sabine; DE BLASIS, Paulo A. D. 2005. A new early Holocene human skeleton from Brazil: implications for the settlement of the New World. *Journal of Human Evolution*, 48: 403-414. DOI: 10.1016/j.jhevol.2004.12.001  
Contribution: Analyzed data; partially wrote manuscript.  
Percentage of contribution: 25%
58. NEVES, Walter A.; **HUBBE, Mark**. 2005. Cranial morphology of early Americans from Lagoa Santa, Brazil - Implications for the settlement of the New World. *Proceedings of the National Academy of Science*, 102: 18309-18314. DOI: 10.1073/pnas.0507185102  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 40%
59. **HUBBE, Mark**; NEVES, Walter A.; ATUI, João Paulo V.; CARTELLE, Castor; DA SILVA, Miya A. Pereira. 2004. A new early human skeleton from Brazil: Further support to the "Two main biological components model" for the settlement of the Americas. *Current Research on the Pleistocene*, 21: 83-85.  
Contribution: Designed study; analyzed data; wrote manuscript.

Percentage of contribution: 60%

60. NEVES, Walter A.; GONZÁLEZ-JOSÉ, Rolando; **HUBBE, Mark**, KIPNIS, Renato; ARAUJO, Astolfo G. M.; BLASI, Oldemar. 2004. Early Holocene human skeletal remains from Cerca Grande, Lagoa Santa, Central Brazil, and the origins of the first Americans. *World Archaeology*, 36: 479-501. DOI: 10.1080/0043824042000303665  
Contribution: Analyzed data; partially wrote manuscript.  
Percentage of contribution: 20%
61. COSTA JUNQUEIRA, Maria Antonieta; NEVES, Walter Alves; **HUBBE, Mark**. 2004. Influencia de Tiwanaku en la calidad de vida biológica de la población prehistórica de San Pedro de Atacama [Tiwanaku Influence in the biological quality of life of the prehistoric population of San Pedro de Atacama]. *Estudios Atacameños*, 27: 103-116. DOI: 10.4067/S0718-10432004002700005.  
Contribution: Analyzed data; wrote manuscript.  
Percentage of contribution: 25%
62. NEVES, Walter Alves; **HUBBE, Mark**; RIBEIRO, Pedro Augusto Mentz & BERNARDO, Danilo Vicensotto. 2004. Afinidades morfológicas de três crânios associados à tradição Umbu: uma análise exploratória multivariada [Morphologic affinities of three skulls associated to the Umbu tradition: a multivariate exploratory analysis]. *Revista do CEPA*, 28: 159-185.  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 35%
63. NEVES, Walter Alves; **HUBBE, Mark Oliver Rohrig**; ARAUJO, Astolfo G. M. 2002. A late paleoindian secondary ritual burial from Lagoa Santa, Minas Gerais, Brazil. *Current Research in the Pleistocene*, 19: 83-85.  
Contribution: Analyzed data; wrote manuscript.  
Percentage of contribution: 35%

## EDITED VOLUMES

1. DA GLÓRIA, Pedro; NEVES, Walter A.; **HUBBE, Mark**. 2017. Archaeological and Paleontological Research in Lagoa Santa: The Quest for the First Americans [[English translation from Da-Gloria et al. 2016](#)]. Springer, New York. DOI: 10.1007/978-3-319-57466-0
2. DA GLÓRIA, Pedro; NEVES, Walter A.; **HUBBE, Mark**. 2016. Lagoa Santa: História das Pesquisas Arqueológicas e Paleontológicas [*Lagoa Santa: History of Archaeological and Paleontological Research*]. Annablumme, São Paulo. ISBN: 978-85-391-0804-6

## BOOK CHAPTERS

1. TORRES-ROUFF, Christina; **HUBBE, Mark**. 2018. Exploring the SAIS throughout the Middle Horizon in San Pedro de Atacama, Chile. In: ISBELL, William; URIBE, Maurício (Eds). *The Southern Andean Iconographic Series*, pp.341-351. Cotsen Institute of Archaeology Press, Los Angeles.  
Contribution: Co-designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 45%

2. DA GLORIA, Pedro; NEVES, Walter A.; **HUBBE, Mark**. 2017. Introduction [English translation from Da Gloria et al., 2016] In: DA GLORIA, Pedro; NEVES, Walter A.; HUBBE, Mark (Eds). *Archaeological and Paleontological Research in Lagoa Santa: The Quest for the First Americans*, pp. 1-7. Springer, New York.  
Contribution: Wrote manuscript.  
Percentage of contribution: 25%
3. **HUBBE, Mark**; NEVES, Walter A. 2017. The Repercussions of the Human Skeletons from Lagoa Santa in the International Scenario [English translation from Hubbe and Neves, 2016] In: DA GLORIA, Pedro; NEVES, Walter A.; HUBBE, Mark (Eds). *Archaeological and Paleontological Research in Lagoa Santa: The Quest for the First Americans*, pp. 215-230. Springer, New York.  
Contribution: Designed study; wrote manuscript.  
Percentage of contribution: 85%
4. **HUBBE, Mark**; NEVES, Walter A.; STRAUSS, André; BERNARDO, Danilo. 2017. Héctor Pucciarelli y la diversidad morfológica de los grupos humanos tempranos en el continente americano. PASCHETTA, Carolina; GONZÁLEZ-JOSÉ, Rolando; LANATA, José Luis (Eds.) *De como cruzar fronteras: Homenaje a Héctor M. Pucciarelli*, pp. 73-86. IPCSH e IIDyPCa, CONICET, Puerto Madryn y San Carlos de Bariloche.  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 80%
5. DA GLORIA, Pedro; NEVES, Walter A.; **HUBBE, Mark**. 2016. Introdução. In: DA GLORIA, Pedro; NEVES, Walter A.; HUBBE, Mark (Eds). *Lagoa Santa: História das Pesquisas Arqueológicas e Paleontológicas*, pp. 11-16. Annablume, São Paulo  
Contribution: Wrote manuscript.  
Percentage of contribution: 25%
6. **HUBBE, Mark**; NEVES, Walter A. 2016. A repercussão dos esqueletos humanos de Lagoa Santa no cenário internacional [*The international repercussion of the human skeletons from Lagoa Santa*]. In: DA GLORIA, Pedro; NEVES, Walter A.; HUBBE, Mark (Eds). *Lagoa Santa: História das Pesquisas Arqueológicas e Paleontológicas*, pp. 229-248. Annablume, São Paulo.  
Contribution: Designed study; wrote manuscript.  
Percentage of contribution: 85%
7. **HUBBE, Mark**. 2016. The origins and context of Paleoamerican cranial morphology: implications for the discussions about the human dispersion into the Americas. *Human Origin Sites and the World Heritage Convention in the Americas. World Heritage Papers* 42, Volume 2: 39-55. UNESCO, Paris.  
Contribution: Designed study; analyzed data; wrote manuscript.  
Percentage of contribution: 100%
8. TORRES-ROUFF, Christina; KNUDSON, Kelly; **HUBBE, Mark**. 2015. Afinidades biológicas entre la población de San Pedro de Atacama durante el Período Medio: Un análisis de rasgos discretos. In: Korpisaari, Antti; Chacama R., Juan (Eds.) *El Horizonte Medio: Nuevos aportes para el sur de Perú, norte de Chile y Bolivia*, pp. 247-264.  
Contribution: Analyzed data; partially wrote manuscript.  
Percentage of contribution: 25%
9. **HUBBE, Mark**; NEVES, Walter A.; HARVATI, Katerina. 2015. Cranial morphology of early South Americans: Implications for understanding human dispersion into the

New World. In: FRACHETTI, Michael David; SPENGLER III, Robert N. (Eds). *Mobility and Ancient Society in Asia and the Americas*. Springer, NY: pp. 103-116.

Contribution: Designed study; analyzed data; wrote manuscript.

Percentage of contribution: 75%

10. NEVES, Walter A.; **HUBBE, Mark**; BERNARDO, Danilo; STRAUSS, André; ARAUJO, Astolfo; KIPNIS, Renato. 2014. Early human occupation of Lagoa Santa, Eastern Central Brazil: Craniometric variation of the initial settlers of South America. In: GRAF, Kelly; KETRON, Caroline V.; WATERS, Michael R. (Eds). *The Paleoamerican Odyssey*. Center for the Study of the First Americans, Santa Fe: pp. 397-414.

Contribution: Designed study; analyzed data; wrote manuscript.

Percentage of contribution: 40%

11. **HUBBE, Mark**; TORRES-ROUFF, Christina. 2011. Avances en la contextualización cronológica de la ocupación humana de los oasis atacameños. In: HUBERT, André; GONZÁLEZ, José Antonio; PEREIRA, Mario (Eds). *Temporalidad, Interacción Y Dinamismo Cultural: La Búsqueda del Hombre*. Universidad Católica del Norte, Ediciones Universitarias, Antofagasta: pp. 247-268.

Contribution: Designed study; analyzed data; wrote manuscript.

Percentage of contribution: 65%

12. HUBBE, Alex; **HUBBE, Mark**; CRUZ, Márcio V. 2007. Considerações metodológicas à inferência de dieta de animais extintos através da análise de microdesgaste dentário. In: CARVALHO, I.S., CASSAB, R.C.T., SCHWANKE, C., CARVALHO, M.A., FERNANDES, A.C.S., RODRIGUES, M.A.C., CARVALHO, M.S.S., ARAI, MITSURU E OLIVEIRA, M.E.Q. (Eds). *Paleontologia: Cenários de Vida*. Rio de Janeiro: Interciência: pp. 743-752.

Contribution: Co-designed study; analyzed data; partially wrote manuscript.

Percentage of contribution: 35%

## EDITORIALS

1. **HUBBE, Mark**. 2012. Editorial. *Estudios Atacameños*, 44. DOI: 10.4067/S0718-10432012000200001
2. **HUBBE, Mark**. 2012. Editorial. *Estudios Atacameños*, 43. DOI: 10.4067/S0718-10432012000100001
3. **HUBBE, Mark**. 2011. Editorial. *Estudios Atacameños*, 42. DOI: 10.4067/S0718-10432011000200001

## SCIENTIFIC OUTREACH BOOKS

1. **HUBBE, Mark**; AZEVEDO, Estevan Tadeu Mazzuia; ATUI, João Paulo Vezzani; NEVES, Walter Alves. 2003. *A Primeira Descoberta da América [The first Discovery of the Americas]*. Ribeirão Preto: Editora da Sociedade Brasileira de Genética.

## ARTICLES IN SCIENTIFIC OUTREACH MAGAZINES

1. NEVES, Walter A.; DA-GLORIA, Pedro; **HUBBE, Mark**. 2016. Lagoa Santa: em busca dos primeiros Americanos [Lagoa Santa: In search of the first Americans]. *Ciência & Cultura*, 68(4): 52-56.

2. BERNARDO, Danilo V.; NEVES, Walter A.; STRAUSS, André; **HUBBE, Mark**. 2016. O Povo de Lagoa Santa [The people of Lagoa Santa]. Scientific American Brasil, 168:92-95.
3. NEVES, Walter A.; MAYER, Elver L., HUBBE, Alex; MARTIN, Paulo Miguel Haddad; **HUBBE, Mark**. 2012. Devagar... Se vai ao Pleistoceno [Slowly... You'll reach the Pleistocene]. Ciência Hoje, 48, nº 286: 36-42.
4. **HUBBE, Mark**. 2006. O bebê de Lucy [Lucy's baby]. Ciência Hoje vol. 39, nº 232: 11-12.
5. NEVES, Walter A.; **HUBBE, Mark**. 2005. Os pioneiros das Américas [The pioneers of America]. Nossa História, 22: 16-19.
6. NEVES, Walter A.; **HUBBE, Mark**. 2005. El hombre de Piltdown: un célebre fraude [The Piltdown Man: a famous fraude]. Ciencia Hoy, 85: 60-61.
7. NEVES, Walter; **HUBBE, Mark**. 2004. Algo de podre no reino da Inglaterra... [Something stinks in the United Kingdom...] Ciência Hoje vol. 35, nº 206: 78-79.
8. NEVES, Walter Alves; **HUBBE, Mark**. 2004. Luzia und die Geschichte der ersten Amerikaner [Luzia and the tale of the first Americans]. Abenteuer Archäologie, 1: 56-60.
9. NEVES, Walter A.; **HUBBE, Mark**. 2003. Luzia e a Saga dos Primeiros Americanos [Luzia and the tale of the first Americans]. Scientific American Brasil, 15: 24-31.

## RESEARCH FUNDING

- 01/2019 – 12/2021 **The deep history of indigenous Brazil: Pre-colonial archaeology through virtual anthropology and archaeogenetics**. PI: A Strauss; Co-PI: M Hubbe, K Harvati. FAPESP [State of São Paulo Science Foundation] (2017/16451-2) (US\$462,000).
- 01/2017 – 12/2017 **The Biological Impact of Developmental Stress: A Bioarchaeological Analysis of the Developmental Origins Hypothesis (C Cheverko's PhD Dissertation)**. PI: M Hubbe; Co-PI: C Cheverko. Office of Energy and the Environment, The Ohio State University (US\$7750).
- 10/2015 – 09/2017 **Human Evolutionary, Adaptation, and Dispersion Studies: Research Funds**. PI: M Hubbe. The Ohio State University (US\$25,000).
- 09/2014 – 08/2018 **Collaborative Research: The Emergence of Inequality in the Atacama Oases**. PIs: C Torres-Rouff, WJ Pestle; Co-PIs: M Hubbe, G Pimentel. NSF 1359644 (US\$121,199).
- 03/2012 – 03/2014 **Desigualdad y diversidad en el Periodo Medio (400-1000 d.C.) de los oasis Atacameños: Una reconstitución bioarqueológica de la dieta y la variación entre ayllus [Inequality and Diversity in the Middle Period (AD 400-1000) Atacameño Oases: A Bioarchaeological Reconstruction of Diet and Inter-Ayllu Variation]**. PI: C Torres-Rouff; Co-PI: M Hubbe; Consultant WJ Pestle. FONDECYT [Chilean National Science and Technology Foundation] Regular (1120376) (\$65,000).
- 05/2011 – 04/2012 **La dieta y la nutrición de los antiguos habitantes de San Pedro de Atacama: Nuevos aportes desde análisis macroscópicos y de**

- isótopos estables [Diet and Nutrition of the Ancient Inhabitants of San Pedro de Atacama: New Contributions from Macroscopic and Isotopic Analyses]** PI: Christina Torres-Rouff. Co-PIs: Mark Hubbe, Laura King, William J. Pestle. VRIDT-UCN (Vicerrectoría de Investigación y Desarrollo Tecnológico, Universidad Católica del Norte). Chilean Pesos: 2,000,000 (~US\$4250).
- 03/2010 – 03/2013 **Interacciones y movilidad humana en las poblaciones prehispánicas del norte de Chile, un enfoque integrado para las ciencias sociales con uso de marcadores biométricos, genéticos, químicos y mineralógicos [Human interaction and mobility in the prehispanic populations of Northern Chile, an integrated approach for the social sciences considering biometric, genetic, chemical and mineral markers]**. PIs: Germán Manríquez, Mauricio Moraga, Diego Morata, Hermann Niemeyer. Co-PIs: Eugenio Aspillaga, Sergio Flores, Mark Hubbe, José Morales, Diego Salazar, Juan Carlos Salina. Funding agency: ANILLOS-CONICYT [Chilean National Science Council] (ACT-96) (~US\$ 800,000).
- 03/2009 – 03/2012 **Estrategias de movilidad en ejes viales preincaicos que conectaron el Loa Medio y la costa de la II región [Strategies of mobility along pre-Inca routes connecting the Middle Loa to the coast of the II Region]**. PI: Gonzalo Pimentel. Co-PIs: Mark Hubbe, Lautaro Núñez, Charles Rees. Funding agency: FONDECYT [Chilean National Science and Technology Foundation] Regular (1090762) (~US\$310,000).
- 12/2007 – 10/2010 **Historia poblacional y relaciones biológicas de los habitantes prehistóricos de los oasis Atacameños a lo largo de los periodos Formativo Final y Agroalfarero [Population history and biological relationships among the prehistoric inhabitants of the Atacama oases during the Late Formative and Agropastoral periods]**. PI: Mark Hubbe. Funding agency: FONDECYT de Iniciación a Investigación (11070091) (~US\$ 85,000).
- 10/2007 – 12/2007 Scholarship for short international research trip, Department of Human Evolution, Max Planck Institute for Evolutionary anthropology, Leipzig, Germany. Funding agency: MECESUP [Ministry for Superior Education] (UTA-0302) (~US\$7,000).
- 02/2006 – 07/2010 **Origens e Microevolução do Homem na América: Uma Abordagem Paleo-Antropológica (III) [Origins and microevolution of humans in the Americas: a paleoanthropological approach (III)]**. PI: Walter A. Neves. Co-PIs: Astolfo Araujo, Mark Hubbe, Renato Kipnis, Luis Beethoven Piló. Funding agency: FAPESP [State of São Paulo Science Foundation] (04/01253-0) (~US\$900,000).
- 04/2002 – 02/2006 Ph.D. Research Fellowship, Instituto de Biociencias, University of São Paulo. Funding agency: FAPESP (01/11420-3 and 04/01253-0).
- 10/1999 – 12/2001 **Marcadores Dentais em San Pedro de Atacama, Chile: Análise do Estilo de Vida e da Influência do Império Tiwanaku [Dental markers in San Pedro de Atacama, Chile: Analysis of local life-style and the influence of the Tiwanaku Empire]**. Undergraduate Scholarship for Scientific Initiation, Instituto de Biociencias, University of São Paulo. Funding agency: FAPESP (99/06605-2).

## SIMPOSIA ORGANIZED

1. FIGUEIRO, Gonzalo; **HUBBE, Mark**. 2018. Aproximaciones Biológicas al Estudio de la Complejidad Social en el Pasado. *XV Congreso de la Asociación Latinoamericana de Antropología Biológica*. Mayagüez, Puerto Rico.
2. CHEVERKO, Colleen; PRINCE-BUITENHUY, Julia R., **HUBBE, Mark**. Going Beyond the "Biocultural Synthesis": Bridging Theory and Practice in Bioarchaeology. *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, Texas.
3. NUGENT, Selin; **HUBBE, Mark**. 2017. Biological Investigations of Nomads: Developments and Innovations. *86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. New Orleans, Louisiana.
4. **HUBBE, Mark**; TORRES-ROUFF, Christina. 2014. Complejidad emergente en los Andes: desigualdad social, identidad, jerarquía y el estilo de vida de poblaciones prehispánicas. *XIII Congreso de la Asociación Latinoamericana de Antropología Biológica*. Santiago, Chile.
5. **HUBBE, Mark**; PIPERATA, Barbara. 2014. Biological Anthropology in the Brazilian territory: celebrating Prof. Walter Neves' contributions to Human Biology, Bioarchaeology and modern human evolution. *83<sup>rd</sup> Annual Meeting of the American Association of Physical Anthropology*. Calgary, Canadá.
6. **HUBBE, Mark**; STRAUSS, André. 2012. Early Man in South America: New paradigms in Late Pleistocene / Early Holocene archaeology. *77<sup>th</sup> Annual Meeting of the Society for American Archaeology*. Memphis, Tennessee.
7. **HUBBE, Mark**; STRAUSS, André. 2012. Early Man in South America: New paradigms in Late Pleistocene / Early Holocene biological anthropology. *81<sup>st</sup> Annual Meeting of the American Association of Physical Anthropology*. Portland, Oregon.
8. TORRES-ROUFF, Christina; **HUBBE, Mark**. 2011. Sección de Bioarqueología. *III Congreso Latinoamericano de Arqueometría*. Arica, Chile.
9. **HUBBE, Mark**. 2010. Poblamiento Temprano de America. *XI Congreso de la Asociación Latinoamericana de Antropología Biológica*. Bogotá, Colombia.
10. **HUBBE, Mark**; TORRES-ROUFF, Christina. 2009. Movilidad humana e interacciones entre poblaciones en la prehistoria chilena: perspectivas de la bioantropología y de la arqueología. *XVIII Congreso Nacional de Arqueología Chilena*. Valparaíso, Chile.

## CONFERENCE PRESENTATIONS

1. **HUBBE, Mark**; FIGUEIRO, Gonzalo. 2018. Los aportes bioantropológicos al estudio de la complejidad social emergente en Sudamérica. *XV Congreso de la Asociación Latinoamericana de Antropología Biológica*. Mayagüez, Puerto Rico.
2. TORRES-ROUFF, Christina; PESTLE, William; **HUBBE, Mark**. 2018. Una mirada de síntesis a la paleodieta en San Pedro de Atacama durante el Período Medio (~400-1000 dC): Prosperidad, intercambio y cambio cultural. *XV Congreso de la Asociación Latinoamericana de Antropología Biológica*. Mayagüez, Puerto Rico.

3. TROPEA, Ana; **HUBBE, Mark**. 2018. Representaciones científicas del poblamiento americano: continuidades y rupturas desde una mirada epistemológica-histórica. *XI encuentro de la Asociación de Filosofía e Historia de la Ciencia del Cono Sur*. Buenos Aires, Argentina.
4. VON CRAMON-TAUBADEL, Noreen; **HUBBE, Mark**. 2018. Population history of Kennewick Man in global craniometric context. *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, TX.  
Abstract published. *American Journal of Physical Anthropology*, 165 (S66):290.
5. **HUBBE, Mark**; CHEVERKO, Colleen. 2018. Extending the adaptive landscape metaphor into bioarchaeological theory and practice. *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, TX.  
Abstract published. *American Journal of Physical Anthropology*, 165 (S66):127.
6. SCHRADER, Sarah; TORRES-ROUFF, Christina; **HUBBE, Mark**. 2018. Contextualizing the Biocultural Approach with Practice Theory: Physical Activity and Inequality During the Andean Middle Horizon and Late Intermediate Period. *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, TX.  
Abstract published. *American Journal of Physical Anthropology*, 165 (S66):244.
7. TYLER, Janelle A.; **HUBBE, Mark**. 2018. Did Holocene Brazilian shellmound builders experience higher rates of trauma: a worldwide sample comparison. *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, TX.  
Abstract published. *American Journal of Physical Anthropology*, 165 (S66):280.
8. STAMER, Julianne R.; MARKLEIN, Kathryn; **HUBBE, Mark**. 2018. Biological and Cultural Influences on Caries Prevalence between Sexes among worldwide Skeletal Series. *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, TX.  
Abstract published. *American Journal of Physical Anthropology*, 165 (S66):262.
9. HERRERA, Brianne; **HUBBE, Mark**. 2018. Correspondence Between Cranial Morphological Regions and mtDNA in western South America. *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, TX.  
Abstract published. *American Journal of Physical Anthropology*, 165 (S66):118.
10. OLDERSHAW, Leigh; **HUBBE, Mark**; TORRES-ROUFF, Christina; SADVARI, Sharon. 2018. Tiwanaku affiliation and quality of life in Middle Horizon San Pedro de Atacama, Chile. *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, TX.  
Abstract published. *American Journal of Physical Anthropology*, 165 (S66) 192.
11. CALHOUN, Grace V.; GUATELLI-STEINBERG, Debra; **HUBBE, Mark**. 2018. Quantifying sexual dimorphism in the geometry of modern human canines. *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, TX.  
Abstract published. *American Journal of Physical Anthropology*, 165 (S66):39.
12. PESTLE, William; TORRES-ROUFF, Christina; **HUBBE, Mark**. 2018 *87<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Austin, TX.  
Abstract published. *American Journal of Physical Anthropology*, 165(S66): 205.



13. CARY, Addy.; PIPERATA, Barbara A.; SCHMEER, Kammi K.; **HUBBE, Mark**; HERRERA RODRIGUEZ, A.; TORRES, V. M. Salazar. 2017. The meaning of dietary diversity: Cultural ideals and food insecurity in Nicaragua. *42<sup>nd</sup> Annual Meeting of the Human Biology Association*, New Orleans, LA.  
Abstract published. *American Journal of Human Biology*, 29 (e22974):7.
14. PESTLE, William J.; TORRES-ROUFF, Christina; **HUBBE, Mark**. 2017. Modeling dietary variability in Middle Period San Pedro de Atacama, northern Chile. *86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. New Orleans, LA.  
Abstract published. *American Journal of Physical Anthropology*, 162 (S64):314.
15. MCGUIRE, Sara, A.; SCHUTKOWSKI, Holger; **HUBBE, Mark**. 2017. The Importance of Shoes: Correlation between Grave Goods, Status, and Diet of Late Iron Age and Early Roman Individuals from Winterborne Kingston, UK. *86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. New Orleans, LA.  
Abstract published. *American Journal of Physical Anthropology*, 162 (S64):283.
16. LOPEZ-BARRALES, Rocio; LLAGOSTERA, Viviana; NEVES, Walter A.; **HUBBE, Mark**. 2017. Functional associations between Osteoarthritis and Vertebral Osteophytosis in Prehistoric Atacama Oases, Chile. *86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. New Orleans, LA.  
Abstract published. *American Journal of Physical Anthropology*, 162 (S64):266.
17. **HUBBE, Mark**; CHEVERKO, Colleen; OKUMURA, Mercedes; NEVES, Walter A. 2017. Mobility patterns among pre-historic shell-mound builder populations from coastal Brazil. *86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. New Orleans, LA.  
Abstract published. *American Journal of Physical Anthropology*, 162 (S64):223.
18. HERRERA, Brienne; **HUBBE, Mark**. 2017. Comparative Sub-Regional Population Structure within South America using MtDNA and Y-Chromosome DNA. *86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. New Orleans, LA.  
Abstract published. *American Journal of Physical Anthropology*, 162 (S64):215.
19. DOWNEY, Kathleen I; HERRERA, Brienne; **HUBBE, Mark**. 2017. Worldwide modern human morphological variation: exploring the association between morphological modules and climate and geographic distances. *86<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. New Orleans, LA.  
Abstract published. *American Journal of Physical Anthropology*, 162 (S64):164.
20. KUZMINSKY, Susan C.; **HUBBE, Mark**. 2017. Assessing the Population History of the Atacama Desert Using 3D Geometric Morphometric Methods. *82<sup>nd</sup> annual meeting the Society for American Archaeology*. Vancouver, Canada.
21. TORRES-ROUFF, Christina; PESTLE, William J.; **HUBBE, Mark**; SMITH, Erin. 2016. Modelaje de Diferencias en las Dietas de Grupos del Periodo Medio (~400-1000 dC), en San Pedro de Atacama, Chile. *XIX Congreso Nacional de Arqueología Argentina*. San Miguel de Tucumán, Argentina.
22. TORRES-ROUFF, Christina; PESTLE, William J.; **HUBBE, Mark**; PIMENTEL, Gonzalo; SMITH, Erin. 2016. Wearing the marks of violence: Unusual trauma patterning at Coyo Oriente, northern Chile (AD 400-1000). *85<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Atlanta, GA.

- Abstract published. *American Journal of Physical Anthropology*, 159 (S62):172.
23. LOPEZ-BARRALES, Rocío; **HUBBE, Mark**; ASPILLAGA, Eugenio; NIEMEYER, Hermann M. 2016. Hair cortisol levels in prehispanic populations of San Pedro de Atacama, northern Chile. *85<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Atlanta, GA.  
Abstract published. *American Journal of Physical Anthropology*, 159 (S62):172.
24. **HUBBE, Mark**; STRAUSS, André; VON CRAMON-TAUBADEL, Noreen. 2016. Paleoamerican cranial variation in global microevolutionary perspective: Implications for the settlement of the Americas. *85<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Atlanta, GA.  
Abstract published. *American Journal of Physical Anthropology*, 159 (S62):179.
25. HERRERA, Brianne; **HUBBE, Mark**. 2016. Sub-Regional Population Structure within South America Using MtDNA. *85<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Atlanta, GA.  
Abstract published. *American Journal of Physical Anthropology*, 159 (S62):172.
26. GREEN, Madelyn; **HUBBE, Mark**; NEVES, Walter A. 2016. A re-evaluation of the Health Index of Southern Brazil shellmound populations. *85<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Atlanta, GA.  
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27. CHEVERKO, Colleen M; DOWNEY, Kathleen I.; **HUBBE, Mark**. 2016. A Comparison of Statistical Techniques to Assess Age-Related Skeletal Disorders in Bioarchaeology. *85<sup>th</sup> Annual Meeting of the American Association of Physical Anthropology*. Atlanta, GA.  
Abstract published. *American Journal of Physical Anthropology*, 159 (S62):114.
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111. NEVES, Walter Alves; **HUBBE, Mark Oliver Rohrig**; COSTA, Maria Antonietta. 2000. Marcadores dentários de dieta e mudança social em San Pedro de Atacama, Chile [Dental markers of diet and social change in San Pedro de Atacama, Chile]. *VI Congreso de la Asociación Latinoamericana de Antropología Biológica*. Piriápolis, Uruguay.

## INVITED LECTURES

- 2019 **What makes us human?** Upper Arlington Adult Center's Current Events Discussion Group, Columbus, OH.
- 2018 **What makes us human?** Humanist Community of Central Ohio, Columbus, OH.
- 2018 **In pursuit of the First Americans.** Ohio State University Campus Campaign. Columbus, OH.
- 2017 **In pursuit of the First Americans: the findings from Lagoa Santa, Brazil.** Invited lecture for the Archaeological Society of Ohio, Sandusky Bay Chapter. Milan, OH.
- 2016 **Lagoa Santa and the Pursuit of the First Americans.** Invited lecture for the COSI After Dark program, Columbus, OH.
- 2016 **El futuro del estudio del pasado humano.** *Keynote Speaker*. XIV Congreso de la Asociación Latinoamericana de Antropología Biológica. Tacuarembó, Uruguay.
- 2016 **Lagoa Santa and the Pursuit of the First Americans.** Invited lecture for the Archaeological Society of Ohio, Toledo Chapter. Toledo, OH.
- 2016 **Desigualdad social e interacciones regionales en la prehistoria de Atacama.** Instituto de Arqueología y Antropología. San Pedro de Atacama, Chile.
- 2016 **Desigualdad social e interacciones regionales en la prehistoria de Atacama.** Corporación de Turismo de Calama. Calama, Chile.
- 2015 **The Early Habitants of Lagoa Santa, Brazil: Implications for the discussion about the Settlement of the Americas.** Invited Lecture at the Department of Integrative Biology, University of California. Berkeley, CA.
- 2014 **The Early Habitants of Lagoa Santa, Brazil: Implications for the discussion about the Settlement of the Americas.** Invited lecture for the 2014 Symposium of the Archaeological Society of Ohio. Columbus, OH.
- 2013 **In pursuit of the first South Americans: current debate on the biological origins of the early New World settlers.** Invited lecture for the Archaeological Society of Ohio. Columbus, OH.
- 2012 **Aspectos Biológicos del Poblamiento de Sudamérica.** Charla inaugural del ciclo de charlas de la Sociedad Chilena de Antropología Física. Universidad de Chile, Santiago.
- 2009 **Dispersión humana por el planeta: los últimos 180 mil años de nuestra historia.** IV Encuentro Nacional de Estudiantes de Antropología y Arqueología. Universidad de Chile, Santiago.

- 2007 **La Vida: Su origen y trayectoria en nuestro planeta.** Programa Crisálida. Instituto de Investigaciones Arqueológicas y Museo – San Pedro de Atacama.
- 2006 **El Esqueleto Humano. Una Ventana a la biología de grupos antiguos.** Programa Crisálida. Instituto de Investigaciones Arqueológicas y Museo – San Pedro de Atacama.
- 2006 **Evolución de la especie humana, una historia de seis millones de años.** Programa Crisálida. Instituto de Investigaciones Arqueológicas y Museo – San Pedro de Atacama.
- 2006 **Poblamiento de América. La llegada de los Primeros Americanos.** Programa Crisálida. Instituto de Investigaciones Arqueológicas y Museo – San Pedro de Atacama.
- 2003 **Sambaquis: reconstruyendo a história do litoral brasileiro.** VII Semana da Bio. Instituto de Biociências, UNESP – Botucatu.
- 2003 **Quando nos tornamos humanos? O ponto de vista da paleo-anthropologia.** VI Semana da Biologia. Departamento de Biologia, UNESP – Bauru.
- 2002 **Origem, Evolução e Diversidade da Espécie Humana.** Simpósio de Biologia Humana. Instituto de Biociências, UNESP – Botucatu.

## TEACHING

### Undergraduate Classes

- Fall 2018 – Introduction to Anthropology (ANTHRO-1100 OSU)  
Spring 2018 – Bioarchaeology (ANTHRO-5610 OSU)  
Fall 2017 – Human Osteology (ANTHRO-5607 OSU)  
Spring 2017 – Human Osteology (ANTHRO-5607 OSU)  
Spring 2016 – Bioarchaeology (ANTHRO-5610 OSU)  
Spring 2015 – Human Osteology (ANTHRO-5607 OSU)  
Spring 2013 – Human Osteology (ANTHRO-5607 OSU)  
Fall 2012 – Introduction to Forensic Anthropology (ANTHRO-3305 OSU)

### Graduate classes

- Fall 2018 – Evolutionary Theory (ANTHRO-8892.01 OSU)  
Fall 2017 - Quantitative Methods (ANTHRO-8892.11 OSU)  
Spring 2017 – Bioarchaeology (ANTHRO-8892.13 OSU)  
Fall 2016 - Quantitative Methods (ANTHRO-8892.11 OSU)  
Summer 2016 – Quantitative Methods for Social Sciences (IIAM-UCN, Chile)  
Evolutionary Theory (ANTHRO-8892.01 OSU)  
Spring 2016 - Advanced Quantitative Methods (ANTHRO-8892.12 OSU)  
Fall 2015 - Quantitative Methods (ANTHRO-8892.11 OSU)  
Writing Research Proposals (ANTHRO-8828 OSU)  
Advanced research topics in skeletal biology and implications for anthropology (ANTHRO 5193.07 OSU – co-taught with Dr. James Gosman)  
Fall 2014 - Quantitative Methods (ANTHRO-8892.11 OSU)  
Evolutionary Theory (ANTHRO-8892.01 OSU)  
Spring 2014 - Advanced Quantitative Methods (ANTHRO-8892.12 OSU)  
Evolutionary Theory (ANTHRO-8892.01 OSU)  
Fall 2013 – Quantitative Methods (ANTHRO-8892.11 OSU)  
Spring 2013 – Advanced Quantitative Methods (ANTHRO-8892.12 OSU)  
Spring 2011- Quantitative Methods for Social Sciences (IIAM-UCN, Chile).  
Fall 2009 - Quantitative Methods for Social Sciences (IIAM-UCN, Chile).  
Spring 2009 - Quantitative Methods for Social Sciences (IIAM-UCN, Chile).  
Fall 2008 - Modern human dispersion and origins of modern behavior (IIAM-UCN, Chile).

Spring 2008 - Quantitative Methods for Social Sciences (IIAM-UCN, Chile).

**Independent Studies**

Fall 2018 - Grad Independent Study (ANTHRO 8193.07) – Kathleen Downey

Grad Independent Study (ANTHRO 8193.07) – Julie Margolis

Dissertation Research (ANTHRO 8999) – Brianne Herrera

Dissertation Research (ANTHRO 8999) – Sara McGuire

Summer 2018 – Grad Independent Study (ANTHRO 8193.07) – Malorie Albee

Grad Independent Study (ANTHRO 8193.07) – Addy Cary

Grad Independent Study (ANTHRO 8193.07) – Evonne Turner-Byfield

Dissertation Research (ANTHRO 8999) – Colleen Cheverko

Dissertation Research (ANTHRO 8999) – Sara McGuire

Spring 2018 – Grad Independent Study (ANTHRO 8193.07) – Malorie Albee

Grad Independent Study (ANTHRO 8193.07) – Julie Margolis

Grad Independent Study (ANTHRO 8193.07) – Evonne Turner-Byfield

Dissertation Research (ANTHRO 8999) – Colleen Cheverko

Dissertation Research (ANTHRO 8999) – Kathleen Downey

Dissertation Research (ANTHRO 8999) – Sara McGuire

Dissertation Research (ANTHRO 8999) – Brianne Herrera

Undergraduate Thesis Research (ANTHRO 4999) – Bronté Cunningham

Undergraduate Honors Research (ANTHRO 4999H) – Julianne Stammer

Undergrad Independent Study (ANTHRO 5193.07) – Allyson Simon

Fall 2017 – Honors Research (ANTHROP 4999H) – Abbey Sarver-Verhey

Honors Research (ANTHROP 4999H) – Julianne Stamer

Undergrad Independent Study (ANTHRO 5193.07) – Luke Fannin

Grad Independent Study (ANTHRO 8193.07) – Kathleen Downey

Grad Independent Study (ANTHRO 8193.07) – Evonne Turner-Byfield

Dissertation Research (ANTHRO 8999) – Abby Buffington

Summer 2017 – Grad Independent Study (ANTHRO 8193.07) – Kathryn Marklein

Spring 2017 – Grad Research Methods (ANTHRO 8193.04) – Colleen Cheverko

Grad Independent Study (ANTHRO 8193.07) – Kathleen Downey

Dissertation Research (ANTHRO 8999) – Sara McGuire

Dissertation Research (ANTHRO 8999) – Brianne Herrera

Fall 2016 – Grad Independent Study (ANTHRO 8193.07) – Colleen Cheverko

Grad Independent Study (ANTHRO 8193.07) – Rocío Lopez-Barrales

Dissertation Research (ANTHRO 8999) – Sara McGuire

Dissertation Research (ANTHRO 8999) – Brianne Herrera

Dissertation Research (ANTHRO 8999) – Kathleen Downey

Summer 2016 – Grad Independent Study (ANTHRO 8193.07) - Sara McGuire

Spring 2016 - Grad Research Methods (ANTHRO 8193.04) - Kathleen Downey

Grad Independent Study (ANTHRO 8193.07) – Addy Cary

Grad Independent Study (ANTHRO 8193.07) – Rocío Lopez-Barrales

Grad Independent Study (ANTHRO 8193.07) – Emily Wolfe

Dissertation Research (ANTHRO 8999) – Sara McGuire

Dissertation Research (ANTHRO 8999) – Brianne Herrera

- Fall 2015 – Grad Independent Study (ANTHRO 8193.07) - Sara McGuire  
Grad Research Methods (ANTHRO 8193.07) – R seminar (#participants: 2)
- Summer 2015 - Grad Independent Study (ANTHRO 8193.04) – Hashim Elmshiti  
Grad Independent Study (ANTHRO 8193.07) – Kathleen Downey  
Dissertation Research (ANTHRO 8999) – Kathleen Downey
- Spring 2015 - Undergrad Independent Study (ANTHRO 5193.07) – Haley Horbaly  
Grad Thesis Research (ANTHRO 7999) – Sharon Buck  
Grad Research Methods (ANTHRO 8193.04) - Craniometrics (#  
participants: 3)  
Grad Independent Study (ANTHRO 8193.04) – Coleen Cheverko  
Grad Research Methods (ANTHRO 8193.04) – R seminar (#participants:  
2)  
Grad Independent Study (ANTHRO 8193.07) – Brianne Herrera  
Dissertation Research (ANTHRO 8999) – Kathleen Downey
- Fall 2014 – Dissertation Research (ANTHRO 8999) – Brianne Herrera  
Grad Research Methods (ANTHRO 8193.04) – R seminar (#participants: 4)  
Grad Independent Study (ANTHRO 8193.07) – Kathleen Downey
- Summer 2014 – Undergrad Independent Study (ANTHRO 5193.07) – Colt Runion  
Grad Independent Study (ANTHRO 8193.07) – Brianne Herrera  
Grad Independent Study (ANTHRO 8193.07) – Kathryn Marklein  
Grad Independent Study (ANTHRO 5193.07) – Sharon Buck  
Dissertation Research (ANTHRO 8999) – Brianne Herrera
- Spring 2014 - Undergrad Independent Study (ANTHRO 5193.07) – Samantha Streuli  
Grad Independent Study (ANTHRO 8193.04) – Kathryn Marklein  
Grad Research Methods ) (ANTHRO 8193.04) – R seminar (#participants:  
6  
Dissertation Research (ANTHRO 8999) – Michaela Huffman
- Fall 2013 – Undergrad Independent Study (Anthro 5193.07) – Richmond Huckell  
Grad Research Methods (ANTHRO 8193.04) – R seminar (# participants:  
11)
- Summer 2013 – Undergrad Independent Study (Anthro 5193.07) – Sara Wallace

**Informal teaching**

- Spring 2018 – Food, Football and Human Variation: a dialogue in the OSU Residence  
Halls, Ohio State University (Columbus, OH – 6 hours).
- Spring 2016 – What makes us humans: Anthropology in action. COSI Academy  
(Columbus, OH – 6 hours).  
What is Anthropology? COSI Academy (Columbus, OH – 2.5 hours)
- Fall 2009 - Biological Anthropology Seminar in the Programa Escuela Andina (IIAM-UCN,  
Chile – 12 hours).
- Fall 2008 - Biological Anthropology Seminar in the Programa Escuela Andina (IIAM-UCN,  
Chile – 12 hours).
- Fall 2007 - Biological Anthropology Seminar in the Programa Escuela Andina (IIAM-UCN,  
Chile– 12 hours).

## STUDENTS SUPERVISED

### **Advisor**

#### **PhD Students**

Finished:

Michaela Huffman, 2013 – 2014, The Ohio State University (co-advisor with Prof. Debbie Guatelli-Steinberg).

Dissertation title: "Biological variation in South American populations using dental non-metric traits: assessment of isolation by time and distance."

Colleen Cheverko, 2015 – 2018, The Ohio State University (co-advisor with Prof. Clark Larsen).

Dissertation title: "The Biological Impact of Developmental Stress in the Past: Correlations between Growth Disruptions and Mortality Risk in Bioarchaeology."

Ongoing:

Nikki Weiss, 2019 – present, Ohio State University (co-advisor with Prof. Sam Stout)

Julie Margolis, 2017 – present, The Ohio State University

Evonne Tyler-Byfield, 2017 – present, The Ohio State University

Melissa Clark, 2015 – present, The Ohio State University (co-advisor with Prof. Debbie Guatelli-Steinberg)

Sara McGuire, 2014 – present, The Ohio State University

Kathleen Downey, 2014 – present, The Ohio State University

Brianne Herrera, 2013 – present, The Ohio State University

#### **Master Students**

Finished:

Rocío Lopes-Barrales, 2016 – 2017, The Ohio State University.

Incomplete degree.

Sharon Buck, 2013 – 2015, The Ohio State University (co-advisor with Prof. Clark Larsen)

Thesis title: "The Growing Divide: Understanding Emergent Social Inequality during the Middle Horizon in San Pedro de Atacama, Chile, through Bioarchaeology"

Viviana Llagostera, 2007- 2014, Universidad de Tarapacá, Arica.

Thesis title: "Variación del estrés (esfuerzo) corporal durante el periodo agroalfarero en San Pedro de Atacama a través de la enfermedad articular degenerativa."

Nelson Soto, 2008-2011, Universidad Católica del Norte, Chile.

Thesis title: "Tentáculos humanos hacia el hielo: Actividad humana, flujos y ciudades puerto-puerta hacia Antártica. El caso de la ciudad de Punta Arenas. Chile."

Ongoing:

Julianne Stammer, 2018-present, Center for Latin American Studies, The Ohio State University.

#### **Undergraduate Students**

Finished:

Sydney Slee, 2017 – 2018, The Ohio State University

Project: "Catalogue of Sciulli's collection"

Janelle Tyler, 2017-2018, The Ohio State University

*Hubbe-vita*

Project: "Health and life quality in the shellmound Porto do Rio Vermelho 02"  
Presented at AAPA 2018

Abbey Sarver-Verhey (Honors Thesis), 2016 – 2018, The Ohio State University  
Project: "The Development, Design, and Evaluation of Evolved, an Exhibition on Human Evolution."  
Undergraduate Honors thesis  
Presented at 2018 OSU Denman Forum

Julianne Stamer, 2016 – 2018, The Ohio State University  
Project (2017-2018): "Biodistance Analysis of North and South American Populations"  
Undergraduate Honors thesis  
Presented at 2018 OSU Denman Forum

Project (2016-2017): "The Influence of Biology and Culture on Sexual Dimorphism in Carious Lesions in Pre-History."  
Presented at 2017 OSU Denman Forum  
Presented at 2018 AAPA

Bronté Cunningham (Research Distinction), 2016-2018, The Ohio State University  
Project (2017-2018): "Diet and Dental Health: Differential Diets of the Middle Horizon (CE 400-1000) in San Pedro de Atacama, Northern Chile"  
Undergraduate research distinction thesis  
Presented at 2018 OSU Denman Forum

Project (2016-2017): "Prevalence and Trends of Infectious Disease in Europe"  
Presented at 2017 OSU Denman Forum

Cameron Beason, 2015 – 2017, The Ohio State University  
Project: "Diet and life quality in the Atacama oases."  
Presented at 2016 OSU Denman Forum  
Presented at 2016 AAPA Meetings

Madelyn Green, 2015 – 2016, The Ohio State University  
Project: "A re-evaluation of the Health Index of Southern Brazil shellmound populations."  
Presented at 2016 OSU Denman Forum (Honorary mention)  
Presented at 2016 AAPA Meetings

Jason Pelfrey, 2015 – 2016, The Ohio State University  
Project: "Morphological comparison of North and South American series."

Lara Al-Soudani, 2015, Columbus College of Art and Design  
Thesis: "Multitude: An Exploration of us."  
Presented at the CCAD Advertising and Graphic Design Thesis Show 2015

Haley Horbaly, 2015, The Ohio State University  
Project: "Review and application of methods to estimate sex among sub-adults."  
TA for Human Osteology (ANTHRO 5607)

Colt Runion, 2014 – 2015, The Ohio State University  
Project (2015): "Bioarchaeological analysis of Solcor 3: The impact of differential foreign connections on biocultural aspects of life in the Atacama Oases, North Chile."  
Presented at 2015 OSU Denman Forum



Presented at 2015 AAPA Meetings

Project (2014): "Bloodlust: Ritual violence and Trauma among the Maya, and Aztec in relation to structural and interpersonal violence."

Presented at 2014 OSU Denman Forum

Sara Wallace, 2013 - 2014, The Ohio State University

Project: "A Deadly Exchange: Disease transmission between the Old and New World."

Presented at 2014 AAPA Meetings

Work study student 2014-2015

Christopher Connell; Haley Horbaly, 2012 - 2014, The Ohio State University

Project (incomplete): "Forensic Anthropology Analysis Software"

Samantha Streuli, 2013 - 2014, The Ohio State University

Project: "Trauma and Pathology in Western European Pleistocene Hominins: Implications for Relative Adaptability."

Presented at 2014 OSU Denman Forum (2<sup>nd</sup> place prize awarded)

Presented at 2014 AAPA Meetings

Brett Morris; Kaytlin Morales, 2013 - 2014, The Ohio State University

Project: "Cranial Deformation and Cultural Exchange in Southwest America and Northern Mexico."

Presented at 2014 OSU Denman Forum

Melissa Clark, 2012-2013, The Ohio State University (Honors Research Thesis Co-Advisor)

Thesis title: "Quantification of Maxillary Dental Arcade Curvature with Implications for Estimating Biological Ancestry in Forensic Anthropology."

Presented at 2013 AAPA Meetings

Presented at 2013 BARFAA Meetings

Adam Rezac, 2012 - 2014, The Ohio State University

Project: "Inventory of the teaching collections at the Department of Anthropology, OSU"

Work study student 2013-2014.

Ongoing:

Ana Mitchel, 2018 - present, The Ohio State University

Project: "Comparison of the Frailty Index and the Health Index in the past"

Allyson Simon, 2018 - present, The Ohio State University

Project: "Transition analysis of Central Ohio remains."

### **Member of Committee**

#### **PhD Dissertation**

Finished:

Santiago Gumiarães, 2017-2018, Universidade Federal do Pará, Brazil.

Dissertation title: "O Início do gênero Homo: uma nova abordagem para o problema do hipodigma."

Kathryn Marklein, 2013 - 2018, The Ohio State University

Dissertation title: "Ave Imperii, mortui salutamus te: Redefining Roman Imperialism on the Limes through a Bioarchaeological Study of Human Remains from the Village of Oymaağaç, Turkey."

Victoria Dominguez, 2015 – 2018, The Ohio State University  
Dissertation title: "Defining Bone Quality: Cortical Microdamage and Its Contribution to Fracture Risk in the Human Rib."

Rachel Balabuszko, 2015 – 2017, The Ohio State University  
Dissertation title: "A Study of the Impact of a High Fat and Cholesterol Diet on Cortical Bone in Captive Baboons."

Selin Nugent, 2013 – 2017, The Ohio State University  
Dissertation title: "Pastoral Mobility and the Formation of Complex Settlement in the Middle Bronze Age Şərur Valley, Azerbaijan."

Jesse Goliath, 2013 – 2017, The Ohio State University  
Dissertation title: "A 3D morphological analysis of the ontogenetic patterning of human subchondral bone microarchitecture in the proximal tibia."

Colleen Cheverko, 2015 – 2017, The Ohio State University.  
Co-advisor after this period.

Dave Rose, 2014-2016, The Ohio State University  
Incomplete degree.

Adam Kolatorowicz, 2013 - 2015, The Ohio State University  
Dissertation title: "Patterns of morphological integration in modern human crania."

Lara McCormick, 2012 – 2013, The Ohio State University  
Dissertation title: "Cortical and Trabecular Histomorphometry of the Rib, Clavicle and Iliac Crest of Individuals from the Chiribaya Polity of Ancient Sothern Coastal Peru."

Gabriela Jakubowska, 2015 – 2016, The Ohio State University  
Dissertation title: "Trauma Drama: Examination of Injury Patterns in Populations from Late Medieval and Early Modern Poland."

Allison Clark, 2014 – 2016, The Ohio State University  
Incomplete degree.

Ongoing:

Alexis Dzubak, 2018 – present, The Ohio State University  
Malorie Albee, 2017 – present, The Ohio State University  
Angela Harden, 2017 – present, The Ohio State University  
Nikki Weiss, 2017 – present, The Ohio State University  
Emma Lagan, 2017 – present, The Ohio State University  
Naava Honer, 2015 – present, The Ohio State University  
Barbara Betz 2015 – present, The Ohio State University  
Erin Blankenship-Sefczek, 2014 – present, The Ohio State University  
Abbigail Buffington, 2014 – present, The Ohio State University  
Leigh Oldershaw, 2013 - present, The Ohio State University  
Brian Padgett, 2013 – present, The Ohio State University

**PhD candidacy exam**

Fall 2018 – Emma Lagan  
Julie Margolis

Malorie Albee  
Spring 2018 – Angela Harden  
Fall 2017 – Mackie O’Hara  
Spring 2017 – Colleen Cheverko  
Daniel Peart  
Sara McGuire  
Melissa Clark  
Spring 2016 – Victoria Dominguez  
Fall 2015 – Hedy Justus  
Rachel Balabuszko  
Gabriela Jakubowska  
Spring 2015 – Kathryn Marklein  
Selin Nugent  
Abbigail Buffington  
Brianna Herrera  
Erin Blankenshift-Sefzcek  
Spring 2014 – Leigh Oldershaw  
Brian Padgett  
Spring 2013 – Jesse Goliath  
Lara McCormick  
Adam Kolatorowicz

**Master Thesis**

Finished:

Alex Tuggle, 2017 – 2018, The Ohio State University

Thesis title: “A Historical Perspective on Skeletal Frailty in Medieval Poland: Evidence from an Early Piast Dynasty Site.”

Nicole Crowe, 2016 – 2017, The Ohio State University

Thesis title: “Histomorphometric analysis of elderly ribs at various locations: Biomechanical implications for the sixth rib.”

Adelaide S. Cary, 2016 – 2017, The Ohio State University

Thesis title: “The meaning of dietary diversity: Cultural ideals and food insecurity in Nicaragua.”

Rebecca Mayus, 2016 – 2017, The Ohio State University

Thesis title: “Constructing demographic profiles in commingled collections: A comparison of methods for determining sex and age-at-death in a byzantine monastic assemblage.”

Alexandra Wilkins, 2016 – 2017, The Ohio State University

Thesis title: “Interannual variation in diets of *Ptilocolobus badius badius* from the Tai Forest of Côte d’Ivoire: Implications for conservation.”

Daniel Peart, 2014 – 2015, The Ohio State University

Thesis title: “Continuous or pulse? Simulating speciation and extinction from east and South African fauna at Plio-Pleistocene fossil sites.”

Tamara Pardo, 2012-2014, Universidade de São Paulo, Brazil

Thesis title: “Transição nutricional em comunidades indígenas do Salar de Atacama, Norte do Chile: uma abordagem biocultural das mudanças na dieta e nutrição atacamenha.”

*Hubbe-vita*

Selin Nugent, 2012 – 2013, The Ohio State University

Thesis title: "Death on the imperial frontier: A case study of Roman military campaigning in the Caucasus from Oğlanqala, Azerbaijan."

Patricio López, Feb 2010 - Dec 2010, Universidad Católica del Norte, Chile

Thesis title: "Isótopos Estables en Restos de Camélidos de Quebrada Tulán (II Región-Chile): Uso del Espacio durante el Formativo Temprano (ca. 3.100-2.400 AP)."

Adán Umire, Feb 2009 - Dec 2009 Universidad Católica del Norte, Chile

Thesis title: "Yara: Frontera Norte de la Complejidad Funeraria Chinchorro."

Mario Henrique Urzúa, Jan 2008 - Dec 2008, Universidad Católica del Norte, Chile

Thesis title: "Salud y Trabajo en la Prehistoria de Arica (morbilidad y marcadores de estrés musculoesquelético) desde el Arcaico hasta el Periodo Intermedio Tardío."

Ongoing:

## **OUTREACH**

Coordinator, Anthropology Public Outreach Program (APOP), The Ohio State University, 2017-present

Programs supervised:

*COSI Carts Volunteer Program*, COSI, 2017 – present

*Food and Football – A discussion about diversity*, OSU Residence Halls, 2017 – 2018

*Redlining and Social Inequalities in Columbus, Ohio*, OSU Residence Halls, 2018 – present

*APOP media library and website (u.osu.edu/apop)*, 2017-present

*Ohio Science Olympiad 2017 – Archaeology test*, Columbus, 2017-2018

*Public Library Lecture Series*, Columbus, 2018-present

*A Story of Us* podcast, Columbus, 2018-present

Outreach fundraising:

2018 Anthropology Public Outreach Program. Arts and Sciences, The Ohio State University (US\$10,000).

2019 Donna Firm, OSU Alumn (US\$25,000 towards exhibition "Evolved")

## **EDITORSHIP**

Associate Editor, *Estudios Atacameños*, 2018-present

Associate Editor, *Paleoamerica*, 2014-present

Associate Editor, *Revista Argentina de Antropología Biológica*, 2014-2018

**Editor in Chief**, Volumes 42, 43 and 44, *Estudios Atacameños: Arqueología y Antropología Surandina*. Instituto de Investigaciones Arqueológicas y Museo, Universidad Católica del Norte, Chile, August 2011 – April 2013.

## **CURATORSHIP**

2010-2012 Lead curator, renewal of the permanent exhibition, Archaeological Museum, San Pedro de Atacama, Chile.

- 2004 Assistant curator, Hall da Megafauna, Departamento de Biologia, Instituto de Biociências, Universidade de São Paulo, Brazil
- 2000 Assistant curator, A Primeira Descoberta da América, Mostra do Redescobrimento, Brasil Connects, São Paulo, Brazil.
- 2000 Assistant curator, Arte: Evolução ou Revolução?, Mostra do Redescobrimento, Brasil Connects, São Paulo, Brazil.
- 1999 – 2004 Curatorship and management of osteological collections excavated from: Porto do Rio Vermelho 02 (SC-PRV-02), Santa Catarina. Russinho (MG-RUS-01), Minas Gerais. Lapa das Boleiras I e II (MG-BL-01 e MG-BL-02), Minas Gerais.

## **FIELDWORK AND MUSEUM EXPERIENCE**

- 07/2016 Osteologic data collection/3D scanning, San Pedro de Atacama, Chile
- 06/2015 Osteologic data collection/3D scanning, San Pedro de Atacama, Chile
- 04/2010 Morphometric data collection, Museo de Azapa, Arica, Chile.
- 04/2010 Morphometric data collection, Field Museum, Chicago, Illinois.
- 10/2009 Morphometric data collection, Facultad de Antropología y Ciencias Sociales, Universidad de Chile, Santiago, Chile.
- 03/2009 - 12/2011 Development and implementation of cataloguing software for the collection of the Archaeological Museum of San Pedro de Atacama. Collaborators: Gloria Cabello, Alejandro Diaz, Mark Hubbe, Arturo Torres.
- 04/2008 Craniometric data collection, American Museum of Natural History, New York.
- 10/2007 Morphometric data collection, Museo de Azapa, Arica, Chile.
- 10/2003 Craniometric data collection, Museu Nacional do Rio de Janeiro, Brazil.
- 2003-2005 Field supervisor, archaeological and paleontological excavations. Project: *Origens e micro-evolução do homem na América: Uma abordagem paleo-antropológica*. [Origins and microevolution of humans in the Americas: a paleoanthropological approach], winters.
- 2001-2002 Field archaeologist, Project: *Origens e micro-evolução do homem na América: Uma abordagem paleo-antropológica*, winters.
- 2000 Field archaeologist, shellmound Porto do Rio Vermelho 02 (SC-PRV-02) excavations, Santa Catarina, Brazil, winter.

## **PROFESSIONAL ACTIVITY AND SERVICE**

### **Intramural:**

- Chair, Graduate Program Renewal Committee, Department of Anthropology, The Ohio State University, 2017 - present.
- Chair, Graduate Studies Committee, Department of Anthropology, The Ohio State University, 2017 - present.
- Chair, Anthropology Public Outreach Program, The Ohio State University, 2017-present.
- Chair, Speakers Committee, Department of Anthropology, The Ohio State University, 2016-2017.
- Member, Next-Generation Humanities PhD Planning Committee, The Ohio State University, 2016- 2017.
- Member, Graduate Studies Committee, Department of Anthropology, The Ohio State University, 2015-2017.

*Hubbe-vita*

Member, Speakers Committee, Department of Anthropology, The Ohio State University, 2015-2016.

Lecturer, STEM Science Day, College of Arts and Science Recruitment and Diversity Services, The Ohio State University, 2014.

Chair, Awards Committee, Department of Anthropology, The Ohio State University, 2014-2015.

Chair, Speakers Committee, Department of Anthropology, The Ohio State University, 2014-2015.

Member, Speakers Committee, Department of Anthropology, The Ohio State University, 2013-2014.

Advisor, Undergraduate Anthropology Club, Department of Anthropology, The Ohio State University, 2013-present.

Chair, Ph.D. Program in Anthropology, Universidad Católica del Norte, Chile, April 2007 – July 2010

Member, Ph.D. Program in Anthropology, Universidad Católica del Norte, Chile, June 2006 – July 2012

**Extramural:**

Member, Scientific Committee, XIII Congreso de la Asociación Latinoamericana de Antropología Biológica, Santiago, Chile, 2014.

Member, Grupos de Estudios de Antropología y Arqueología FONDECYT (Fondo Nacional de Desarrollo Científico y Tecnológico) [*Decision committee of grant proposal in Anthropology and archaeology of FONDECYT (National Science and Technology Funding Agency)*], 2011-2012.

Member, Scientific Committee, XI Congreso de la Asociación Latinoamericana de Antropología Biológica, Bogotá, Colombia, 2010.

Editorial Advisory Board, Estudios Atacameños: Arqueología y Antropología Surandina, 2006-present.

Manuscript Reviewer

*American Antiquity*

*Anthropologischer Anzeiger*

*Antipoda: Revista de Arqueología y Antropología*

*Archaeological and Anthropological Sciences*

*Archives of Oral Biology*

*American Journal of Human Biology*

*American Journal of Physical Anthropology*

*Boletín del Museo Chileno de Arte Precolombino*

*Boletín de la Sociedad Chilena de Arqueología*

*Chungará: Revista de Antropología Chilena*

*Current Anthropology*

*Elsevier Book Series*

*Estudios Atacameños: Arqueología y Antropología Surandina*

*Evolutionary Anthropology*

*Intersecciones en Antropología*

*Homo*

*Human Biology*

*Journal of Anatomy*

*Journal of Anthropological Science*  
*Journal of Archaeological Sciences*  
*Journal of Archaeological Sciences: Reports*  
*Journal of Archaeological Methods and Theory*  
*Journal of Biogeography*  
*Journal of Human Evolution*  
*Latin American Antiquity*  
*Magallania*  
*Nature Communications*  
*Paleoamerica*  
*PLoS One*  
*Quaternary International*  
*Revista Argentina de Antropología Biológica*  
*Routledge Press*  
*Science*  
*Smithsonian Institution Scholarly Press*  
*Wiley Book Series*

Proposal reviewer

Leakey Foundation  
National Geographic Foundation  
European Research Council  
NERC – United Kingdom  
FONDECYT (Chilean National Science and Technology Foundation).  
CONICYT (Chilean National Science Council).  
Romanian National Council for Research and Development.

Scientific consultant

Wer entdeckte Amerika? GEOkompakt Nr. 24 (2010)

Conference sessions chaired

2009 Anthropological genetics. The genetics of craniodental variation and evolution.  
Contributed papers. 78th Annual Meeting of the American Association of Physical  
Anthropology. Chicago, Illinois.

Professional Organizations

2015 – 2016 American Anthropological Association  
2010 – present Society for American Archaeology  
2007 – present American Association of Physical Anthropology  
2002 – present Asociación Latinoamericana de Antropología Biológica

## LANGUAGES

Portuguese (native)  
English (fluent - speaking, reading and writing)  
Spanish (fluent - speaking, reading and writing)  
German (fluent - reading)

## REFERENCES

**Dr. Walter A. Neves**, Instituto de Biociências, Universidade de São Paulo, Brazil  
(waneves@ib.usp.br).

*Hubbe-vita*

**Dr. Katerina Harvati**, Seckenberg Center for Human Evolution and Paleoecology, University of Tübingen, Germany (katerina.harvati@ifu.uni-tuebingen.de).

**Dr. Christina Torres-Rouff**, University of California, Merced (ctorres-rouff@ucmerced.edu).

**Dr. Barbara Piperata**, The Ohio State University (piperata.1@osu.edu).