

Marta P. Alfonso-Durruty

CURRENT POSITION & CONTACT INFORMATION

Associate Professor

Department of Sociology, Anthropology & Social Work. Kansas State University. Manhattan, KS 66506.

Email: alfonsod@ksu.edu

Phone: (607) 621-2631

EDUCATION

Post-Doctoral Fellow. University of Pennsylvania. 2010-2011. *Chaco Area Reproductive Ecology Project:* Data management and statistical analyses on life history data from Qom and Wichí women regarding age at menarche, number of pregnancies, live births, age at menopause and health. Data management and statistical analysis on growth and development data from Qom and Wichí infants, children, juveniles and adolescents (height, weight and diseases along the life course). *Supervisor/Mentor:* Dr. Claudia Valeggia

Doctor of Philosophy in Anthropology. Binghamton University, State University of New York. 2008. *Dissertation:* Biosignificance of Harris lines as stress markers in relation to moderate undernutrition and bone growth velocity: A New Zealand White Rabbit model for the study of bone growth. **Winner of the Distinguished Dissertation Award in the category of Social Sciences, Management, Education and Nursing. State University of New York, Binghamton.** *Advisor:* Dr. Michael A. Little.

Master of Arts in Anthropology. University of Nevada, Las Vegas. Nevada. 2002. *Thesis:* Harris lines and enamel hypoplasia. Two non-specific indicators of stress. *Advisor:* Dr. Jennifer L. Thompson

Professional Degree in Archaeology. Universidad de Chile. Santiago, Chile. 2000. *Thesis:* Continuidad y transformación: condiciones de salud oral en las poblaciones de la Costa y el Valle de Azapa (9000-1000AP). [Continuity and transformation: dental health conditions among the coastal and inland populations of the Azapa Valley 9000-1000BP]. *Advisor:* Victoria Castro R. (Universidad de Chile), and Vivian G. Standen (Universidad de Tarapacá).

Bachelor in Anthropology. Major in Archaeology and Prehistory. Universidad de Chile. Santiago, Chile. 1995.

EMPLOYMENT HISTORY

2017-Present Associate Professor of Anthropology. Sociology Anthropology and Social Work Department, Kansas State University.

2011-2017 Assistant Professor of Anthropology. Sociology Anthropology and Social Work Department, Kansas State University.

2010-2011 Post-doctoral Fellow, Anthropology Department, University of Pennsylvania.

2009-2010 Visiting Professor, Anthropology Department, The College of William and Mary

2008-2009 Visiting Professor, Anthropology Department, Indiana University-Purdue University of Indianapolis.

PUBLICATIONS

PEER REVIEWED ARTICLES

- (24) Troncoso A., Pacual D., Escudero, A, Hernández D, Pino M, González R, **Alfonso-Durruty M**, López P, Misarti N, Chávez MA, Belmar C, Moya F, Méndez C, Vera F, Villalón D, Becker C. (Under Review) Cazadores-Recolectores-Pescadores Del Holoceno Medio-Tardío en el Norte Semiárido de Chile: Revisitando Punta Teatinos (29°S). *Latin American Antiquity*.
- (23) Balentine CM[†], **Alfonso-Durruty MP**[†], Reynolds AW, Vilar M, Morello F, San Román M, Springs LC, Smith RW, Archer SM, Mata-Míguez J, Wing N, Bolnick D. 2023. Evaluating population histories in Patagonia and Tierra del Fuego, Chile, using ancient mitochondrial and Y-chromosomal DNA. *American Journal of Biological Anthropology* 180 (1): 144-161. [†]These authors contributed equally to this paper.
- (22) **Alfonso-Durruty MP**, Palacios C, Morello F. 2021. Haunting Bodies: Lethal violence in three Late Holocene Pre-Contact Hunter-Gatherers of southernmost Patagonia (52-56°S, Chile). *Bioarchaeology International* 5 (1-2): 68-77.
- (21) Nakatsuka N, Lazaridis I, Barbieri C, Llamas B, Skoglund P, Rohland, Mallick S, Posth C, Haking-Kinkaid K, Ferry M, Harney E, Michel M, Stewardson K, Novak-Frost J, Capriles JM, **Alfonso-Durruty MP**, /.../ 2020. Paleogenomic reconstruction of the deep population history of the Andes. *Cell* 181:1131-1145.
- (20) **Alfonso-Durruty MP**, Gayo EM, Standen V, Castro V, Latorre C, Santoro CM, Valenzuela D. 2019. Dietary diversity in the Atacama Desert during the Late Intermediate Period in northern Chile. *Quaternary Science reviews* 214: 54-67.
- (19) Moreno-Mayar JV, Vinner L, de Barros Damgaard P, de la Fuente C, Chan J, Spence JP, Allentoft ME, Vimala M, Racimo F, Pinotti T, Rasmussen S, Margaryan A, Iraeta Orbegozo M, Mylopotamitaki D, Wooller M, Bataille C, Becerra-Valdivia L, Chivall D, Comeskey D, Devière T, Grayson DK, George L, Harry H, Alexandersen V, Primeau C, Erlandson J, Rodrigues-Carvalho C, Reis S, Bastos MQR, Cybulski J, Vullo C, Morello F, Vilar M, Wells S, Gregersen K, Lykke Hansen K, Lynnerup N, Mirazón Lahr M, Kjær K, Strauss A, **Alfonso-Durruty MP**, Salas A, Schroeder H, Higham T, Malhi RS, Rasic JT, Souza L, Santos FR, Malaspinas A-S, Sikora M, Nielsen R, Song YS, Meltzer DJ, Willerslev E. 2018. Early human dispersals within the Americas. *Science* 362: 1128-1139.
- (18) **Alfonso-Durruty MP**, Valeggia C. 2018. Talla, peso e índice de masa corporal en niños y niñas Wichí de Formosa, Argentina. [*Height, weight and body mass index of Wichí children from Formosa, Argentina*]. *Archivos Argentinos de Pediatría* 116: 359-364.
- (17) **Alfonso-Durruty MP**, Morello F, Misarti N, Vilar MG, Headley D. 2018. Exploring the potentials and limitations of 3D printing in the preservation and replication of ancient teeth. *Archaeologies. Journal of the World Archaeological Congress* 14: 299-316.

- (16) Hassett BR, Rando C, Bocaege E, **Alfonso-Durruty MP**, Hirst C, Smith S, Ferreira Ulguim P, White S, Wilson A. 2018. Transcript of WAC 8 Digital Bioarchaeological Ethics Panel discussion, 29 August 2016 and resolution on ethical use of digital bioarchaeological data. *Archaeologies. Journal of the World Archaeological Congress* 14: 317-337.
- (15) **Alfonso-Durruty MP**, Giles BT, San Roman M, Morello F. 2017. Assessment of an east-west phenotypic variation in body height, body form and body mass among prehistoric hunter-gatherers of Patagonia and Tierra del Fuego, Chile. *Chungara* 49: 623-634.
- (14) **Alfonso-Durruty MP**, A Troncoso, P Larach, C Becker, N Misarti. 2017. Maize (*Zea mays*) consumption in the southern Andes (30°-31 ° S Lat.): Stable isotope evidence (2000 BCE–1540 CE). *American Journal of Physical Anthropology* 164: 148-162.
- (13) **Alfonso-Durruty MP**, Valeggia C. 2016. Growth strategies among the Qom indigenous children of the Argentine Gran Chaco. *American Journal of Human Biology* 28: 895-904.
- (12) **Alfonso-Durruty MP**, Giles BT, Misarti N, San Roman M, Morello F. 2015. Antiquity and geographic distribution of cranial modification among the prehistoric groups of Fuego-Patagonia, Chile. *American Journal of Physical Anthropology* 158: 607-623.
- (11) Becker C, **Alfonso-Durruty M**, Misarti N, Troncoso A, Larach P. 2015. Estudio isotópico de la dieta en contextos prehistóricos del Norte Semiárido. [Isotope analysis of diet among prehistoric groups in the Semiarid North (Chile)]. *Boletín del Museo Nacional de Historia Natural* 64:107-119.
- (10) Morello F, Calás E, Torres J, Borella F, San Román M, Martin F, Contreras L, Martínez I, Lucero M, **Alfonso-Durruty MP**, Masone M. 2015. Punta Baxa 7: Sitio arqueológico de la costa norte de Tierra del Fuego, Estrecho de Magallanes, Chile. *Magallania* 43:167-188.
- (9) **Alfonso-Durruty MP**, Bauder J, Giles BT. 2014. Dental pathologies and diet in the Middle Woodland burials from Helena Crossing, Arkansas. *North American Archaeologist* 35:87-108.
- (8) **Alfonso-Durruty MP**, Thompson JL. 2011. Bassiocciput age estimation assessment in subadults from Punta Teatinos, Chile. *Anthropologie. International Journal of the Science of Man XLIX,2: 125–132*.
- (7) **Alfonso-Durruty MP**, Morello F., Calas E. 2011. Análisis bioantropológico de un enterratorio humano del Holoceno Tardío en Cabo Nose, Tierra del Fuego, Chile. [Bioanthropological analysis of a Late Holocene burial from Cape Nose, Tierra del Fuego, Chile]. *Magallania* 39: 5-20.
- (6) **Alfonso-Durruty, MP**. 2011. Experimental assessment of nutrition and bone growth's velocity effects on Harris lines formation. *American Journal of Physical Anthropology* 145: 169-180.
- (5) Giles BT, Bauder J, **Alfonso-Durruty MP**. 2010. Revisiting the dead interred in the mounds at Helena Crossing, Arkansas. *Southeastern Archaeology* 29: 323-340.
- (4) Garruto RM, Reiber C, **Alfonso MP**, Gastrich H, Needham K, Sunderman S, Walker S, Weeks J, DeRosa N, Faisst E, Dunn J, Fanelli K, Shilkret K. 2008. Risk behaviors in a

- rural community with a known point-source exposure to Chronic Wasting Disease. *Environmental Health* 7: 31-38.
- (3) **Alfonso MP**, Trejo V. 2005. Ivi Tangata. Puesta en valor de los restos óseos humanos de Isla de Pascua. [Human Bones. An evaluation of the human remains of Eastern Island]. *Revista Conserva* 9: 83–93.
 - (2) **Alfonso MP**, Thompson JL, Standen VG. 2005. Reevaluating Harris lines: a comparison between Harris lines and enamel hypoplasia. *Collegium Anthropologicum* 29: 315-330.
 - (1) **Alfonso MP**, Little MA. 2005. Translation of “Juan Comas’s summary history of the American Association of Physical Anthropologists (1928-1968).” *Yearbook of Physical Anthropology* 48: 163-195.

PEER REVIEWED BOOKS AND BOOK CHAPTERS

- (10) **Alfonso-Durruty MP**, Blom D (eds). 2023. Foodways of the Ancient Andes. *Transforming diet, cuisine and society*. University of Arizona Press.
- (9) Blom D, **Alfonso-Durruty MP**. 2023. Introduction: the transformative nurture of food. In: Foodways of the Ancient Andes. *Transforming diet, cuisine, and society*. University of Arizona Press.
- (8) **Alfonso-Durruty MP**, Misarti N, Tronscoso A. 2023. *The Dietary Impact of the Inka’s Political Strategies in the Semi- Arid Region (30°– 31° S. Lat) of Northern Chile*. In: Foodways of the Ancient Andes. *Transforming diet, cuisine, and society*. University of Arizona Press.
- (7) **Alfonso-Durruty MP**, Misarti N, Troncoso A. *Accepted*. Comiendo junto al mar. La dieta en cazadores-recolectores marinos de Punta Teatinos [Eating by the sea. Diet among the marine hunter-gatherers of Punta Teatinos]. In: Punta Teatinos: a 50 años de su descubrimiento. Troncoso A and Pascual D (editors). Biblioteca Nacional, Archivos y Museos.
- (6) Thompson JL, **Alfonso-Durruty MP**, Crandall J (eds). 2014. *Tracing childhoods. Bioarchaeological investigations of early lives in antiquity*. Series: Bioarchaeological interpretations of the human past: local, regional, and global perspectives, Larsen CS (Series Editor). University Press of Florida.
- (5) **Alfonso-Durruty MP**, Thompson JL. 2014. Little helping hands: insights from Punta Teatinos, Chile. In: *Tracing childhoods. Bioarchaeological investigations of early lives in antiquity*. Series: Bioarchaeological interpretations of the human past: local, regional, and global perspectives, Larsen CS (Series Editor). University Press of Florida. p. 183-197.
- (4) **Alfonso-Durruty MP**, Thompson JL, Crandall J. 2014. Conclusion. Little bodies: the life of children in the past. In: *Tracing childhoods. Bioarchaeological investigations of early lives in antiquity*. Thompson JL, Alfonso-Durruty MP, Crandall J (eds). Series: Bioarchaeological interpretations of the human past: local, regional, and global perspectives, Larsen CS (Series Editor). University Press of Florida. p. 246-257.

- (3) Crandall J, Thompson JL, **Alfonso-Durruty MP**. 2014. Children in Prehistory: Now seen, now heard. In: *Tracing childhoods. Bioarchaeological investigations of early lives in antiquity*. Thompson JL, Alfonso-Durruty MP, Crandall J (eds). Series: Bioarchaeological Interpretations of the Human Past: local, regional, and global perspectives, Larsen CS (Series Editor). University Press of Florida. p. 1-14.
- (2) **Alfonso MP**, Standen VG, Castro MV. 2007. The adoption of agriculture among northern Chile populations in the Azapa Valley 9,000-1,000 BP. In: *Ancient Health. Skeletal indicators of agricultural and economic intensification*. Cohen MN, Crane-Kramer GMM, editors. Gainesville: University of Florida Press. p. 113-129.
- (1) **Alfonso MP**, Powell J. 2007. Ethics of the flesh and bone: or ethics in the practice of paleopathology, osteology and bioarchaeology. In: *Human Remains. Guide for museums and academic institutions*. Cassman V, Odegaard N, Powell J, editors. New York: Altamira Press. p. 5-13.

OTHER PUBLICATIONS

- (6) **Alfonso-Durruty MP**. 2016. "Suby J.A. 2012. La salud de nuestros antepasados [Our Ancestor's Health]", Editorial Quenquén. Laboratorio de Ecología Humana, Universidad Nacional del Centro de la Provincia de Buenos Aires, Argentina, 173pp. *International Journal of Paleopathology* 14: 100-101.
- (5) **Alfonso-Durruty, MP**. 2009. El ombligo del mundo al límite sudeste de la Polinesia: el poblamiento de Rapa Nui [The navel of the world at the southeast margin of Polynesia: the peopling of Easter Island]. In: *Kuhane Rapa Nui en las Islas del Pacífico*. Gómez C., Rauch M., editors. Santiago, Chile: Centro Cultural Palacio La Moneda. p. 24-25.
- (4) **Alfonso, MP**. 1998. Adaptaciones costeras de las poblaciones prehispanicas del extremo Norte de Chile: opción cultural o marginalidad social? [Coastal adaptations among the prehistoric populations of northern Chile: cultural choice or social marginality?]. In: *Actas del III Congreso Chileno de Antropología*: 668-683.
- (3) **Alfonso, MP**. 1997. Inferencia social por medio de la patología oral. [Social inference through dental pathology]. In: *Actas del XIV Congreso Nacional de Arqueología Chilena*: 589-606.
- (2) Sole ML, **Alfonso MP**, Avalos H, Rodríguez J. 1994. Organización social, salud y enfermedad: Los Coiles 136, un cementerio Alfarero de Chile central. [Social organization, sickness and health: Los Coiles 136, a cemetery from the ceramic period in central Chile]. In: *Hombre y desierto una perspectiva cultural. Instituto de investigación antropológica, Universidad de Antofagasta. Antofagasta, Chile. Actas del XIII Congreso Nacional de Arqueología Chilena, Tomo II Comunicaciones*: 227-236.
- (1) Sole ML, **Alfonso MP**, Rodríguez J, Becker C. 1994. Valle Hermoso, ochocientos años de historia: Calidad de vida y organización laboral a través de la evidencia esquelética. [Valle Hermoso, eight hundred years of history: Quality of life and division of labor as revealed by the skeletal evidence]. In: *Hombre y desierto una perspectiva cultural. Instituto de investigación antropológica, Universidad de Antofagasta. Antofagasta, Chile. Actas del XIII Congreso Nacional de Arqueología Chilena, Tomo II comunicaciones*: 217-226.

SCIENTIFIC REPORTS

- (7) **Alfonso, MP.** 1999. Patologías dentales del período Formativo. [Dental pathologies during the Formative period]. In: Partial report of the grant FONDECYT 1970525 (FONDECYT: Fondo nacional de desarrollo de ciencias y tecnología -National Fund for the Development of Science and Technology, Chile).
- (6) **Alfonso, MP.** 1998. Patologías dentales del período Arcaico. [Dental pathologies during the Archaic period]. In: Partial Report of the Grant FONDECYT 1970525.
- (5) **Alfonso, MP.** 1997. Patologías dentales. [Dental Pathologies]. In: Final report of the grant FONDECYT 1940457.
- (4) Solé ML, **Alfonso MP.** 1997. Inicios de una lectura bioantropológica en la comuna de Illapel. [The beginning of a bioanthropological analysis in Illapel]. In: Partial report of the grant FONDECYT 1950012.
- (3) **Alfonso, MP.** 1997. Diagnóstico en antropología física. [Diagnosis in physical anthropology]. In: Final report of the grant FONDECYT 1940457.
- (2) **Alfonso, MP.** 1995. Anexo 2: Algunos indicadores en el aparato masticatorio de la población infantil y subadulta del sitio "Valle Hermoso". [Dental health markers among subadult individuals from the archaeological site "Valle Hermoso". Appendix 2]. In: Final report of the grant FONDECYT 1930247.
- (1) **Alfonso, MP.** 1995. Anexo 1: Indicadores en el aparato masticatorio en la población adulta del sitio "Valle Hermoso". [Dental health markers among adults from the archaeological site "Valle Hermoso". Appendix 1]. In: Final report of the grant FONDECYT 1930247.

TALKS & PRESENTATIONS

- (62) Balentine C.M, **Alfonso-Durruty M.**, Reynolds A.W., Vilar M., Morello F., San Román M., Springs L.C., Bolnick D.A. 2022. Tracing demographic histories through time using ancient DNA in Chilean Fuego-Patagonia. 91st Annual Meetings of the American Association of Biological Anthropology. March 23-26, 2022.
- (61) Ismael Martínez I, Morello F, **Alfonso-Durruty M.**, Amorosi T, Massone M, Martin F., Luis Borrero L., Christensen M, Torres J, Sierpe V, Reyes O, San Román M. 2021. Excavaciones Australes de Junius Bird: Abrigos Rocosos RS1, RS2 y RS3 (Canal Beagle, Chile). XXII Congreso Nacional de Arqueología Chilena, Puerto Montt Chile. December 6-10, 2021.
- (60) **Alfonso-Durruty MP.** Blom D (Co-Chairs). 2021. Transforming Food. Diet, food and cuisine in the Ancient Andes. Amerind Museum, Tucson, Arizona. May 17-21, 2021.
- (59) **Alfonso-Durruty MP.** Misarti N, Troncoso A. 2021. Co-Chair. Presentation: Eating empire at the SARNC. Amerind Seminar: Transforming Food. Diet, food and cuisine in the Ancient Andes. Amerind Museum, Tucson, Arizona. May 17-21, 2021.
- (58) Balentine, CM, **Alfonso-Durruty MP.**, Reynolds AW, Vilar M, Morello F, San Roman M, Springs LC, Archer SM, Smith RWA, Mata-Miguez J, Wing N, Bolnick DA. 2021.

- Exploring the population history of Patagonia and Tierra del Fuego, Chile, using ancient DNA. 9th International Symposium on Biomolecular Archaeology (ISBA9). June 1st-4th, Toulouse, France (moved to ONLINE due to COVID-19).
- (57) **Alfonso-Durruty MP**, Misarti N, Troncoso A. 2021. Eating empire during the Late period in the Semiarid region (30-31°S Latitude) of northern Chile (Poster). 86th Annual Meetings of the Society for American Archaeology (April 15-17. Online)
- (56) **Alfonso-Durruty MP** & Deborah Blom. 2020. Food, Diet and Cuisine in the Ancient Andes. December 2nd. (<https://www.amerind.org/events/food-diet-and-cuisine-in-the-ancient-andes-with-dr-marta-p-alfonso-durruty-and-dr-deborah-e-blom/>)
- (55) **Alfonso-Durruty MP**. 2020. Conquerors of the Land and Sea. 2020. Amerind Museum. September 5th. (https://www.facebook.com/watch/live/?v=941975026305231&ref=watch_permalink)
- (54) Giles B, Parish R, **Alfonso-Durruty MP**. 2019. Kindling “New Fires” in Ohio Hopewell Ceremonial Regimes. 84th Annual Meeting, Society for American Archaeology (SAA). Albuquerque, New Mexico.
- (53) **Alfonso-Durruty MP**, Gayo EM, Standen V, Castro C, Latorre C, Santoro C, Valenzuela D. 2019. Got fish? Diet and dental health of the Late Intermediate (ca. 1,000-1,450 CE) peoples in the Atacama Desert, northern Chile. 88th Annual Meeting of the American Association of Physical Anthropologists. Cleveland, Ohio.
- (52) **Alfonso-Durruty MP**, Gayó EM, Standen V, Castro V, Latorre C, Valenzuela D. 2018. Diversidad de la dieta durante el periodo Intermedio Tardío (ca 1,000-1,450 d.C) en el extremo norte del Desierto de Atacama. Simposio VI: Más allá de las fronteras disciplinares: aportes de la bioarqueología para la comprensión de sociedades del pasado. XXI Congreso Nacional de Arqueología Chilena. Universidad Alberto Hurtado. Sociedad Chilena de Arqueología. Santiago, Chile.
- (51) **Alfonso-Durruty MP**, Vilar M, San Román M., Morello F. 2018. mtDNA and the peopling of Fuego Patagonia. 83rd Annual Meetings, Society for American Archaeology (SAA). Washington DC.
- (50) Morello Repetto F, **Alfonso-Durruty M**, Amorosi T, Sierpe V, San Román M. 2018. Junius Bird collections from sites Rockshelter 1, 2 and 3 (Beagle Channel, Patagonia, Chile). 83rd Annual Meetings, Society for American Archaeology (SAA). Washington DC.
- (49) De La Fuente C, Moreno-Mayar V, **Alfonso-Durruty M**, Morello F, Vilar M, Wells S, Campos PF, Willerslev E. 2018. Genomic insights into early maritime adaptations in western Patagonia. 88th annual Meetings, American Association of Physical Anthropologist. Austin, Texas.
- (48) **Alfonso-Durruty MP**. 2017. ¿Son las líneas de Harris un marcador de estrés? Departamento de Antropología, Facultad de Ciencias Sociales, Universidad de Chile. Santiago, Chile. Invited Talk.
- (47) **Alfonso-Durruty MP**. 2017. The peopling of Fuego Patagonia (47°-56°S): a tale of two migrations? Exploration Talks Series. Department of Geology and Department of Anthropology, Kansas University. Lawrence, Kansas. Invited talk.

- (46) Morello F, Massone M, Martin F, McCulloch R, Borrero L, **Alfonso-Durruty MP**, Christensen M, Misarti N, Stern C, Borrazzo K, San Roman M. 2017. Cultural interaction and Fueguian Islands archaeology: discussing Middle and Late Holocene (50^o-55^o South Latitude, Chile). 82nd Annual Meeting, Society for American Archaeology (SAA). Vancouver, BC, Canada.
- (45) Frasier T, **Alfonso-Durruty MP**. 2017. Assessment of cortical thickness as a non-specific indicator of stress in bone: an experimental animal model. 86th Annual Meeting of the American Association of Physical Anthropology. New Orleans.
- (44) **Alfonso-Durruty MP**, Headley DE, Morello F, Misarti N, Vilar M. 2016. Digital Curation and 3-D analog development of dental remains: applications, limitations, and future directions. 8th World-Archaeology Congress (WAC-8). Kyoto, Japan.
- (43) **Alfonso-Durruty, MP**. 2016. Evidencia genética sobre el poblamiento humano de Fuego-Patagonia (47-56°S), Chile. Instituto de alta Investigación, Universidad de Tarapacá. Sponsored by: Conicyt, Universidad de Tarapacá, Universidad Alberto Hurtado, Pontificia Universidad Católica de Chile, CIHDE, CEAZA, Universidad de Chile. Arica, Chile. Invited Talk.
- (42) **Alfonso-Durruty MP**, Vilar M, Morello F. 2016. Migration waves and genetic drift in the peopling of Fuego-Patagonia. 85th Annual Meeting of the American Association of Physical Anthropology. Atlanta, GA.
- (41) Vilar M, **Alfonso-Durruty MP**, de la Fuente Castro C, Morello F, Campos P, Misarti N, Wells S, Willerslev E. 2016. Genomes from Early Holocene remains from Patagonia suggest demographic shift, supporting the material culture transition. 85th Annual Meeting of the American Association of Physical Anthropology. Atlanta, GA.
- (40) **Alfonso-Durruty MP**, Morello F, Vilar M, Misarti N, Headley D. 2016. Preservation of ancient teeth geomorphometry through computer tomography scanning and 3D printing: an accuracy test. 81st Annual Meeting of the Society for American Archaeology. Orlando FL.
- (39) Vilar M, Morello F, **Alfonso-Durruty MP**. 2016. Migration waves, genetic drift, and the peopling of Fuego-Patagonia. 81st Annual Meeting of the Society for American Archaeology. Orlando FL.
- (38) **Alfonso-Durruty MP**, Morello F, Vilar M. 2015. Uncovering the peopling of Fuego-Patagonia. National Geographic Headquarters, Washington DC. Invited Talk.
- (37) Morello F, Massone M, Martin FM, McCulloch RD, Borrero LA, Arroyo Kalin M, Reyes O, **Alfonso-Durruty MP**, Christensen M, Misarti N, Stern C, Borrazzo K, San Roman M. 2015. Archaeology of Fueguian Islands: environmental changes along the Holocene, human settlement and cultural interaction (Patagonia, Chile). XIX International Union for Quaternary Research Meetings: Quaternary Perspectives on Climate Change, Natural Hazards and Civilizations. Nagoya, Japan.
- (36) **Alfonso-Durruty MP**, Morello F. 2015. Body height and body mass estimations for prehistoric maritime and terrestrial hunter-gatherers of Patagonia and Tierra del Fuego, Chile. 84th Annual Meeting of the American Association of Physical Anthropology. St. Louis, MO.

- (35) **Alfonso-Durruty MP**, Morello F. 2014. Cranial modification among prehistoric groups of Patagonia and Tierra del Fuego. 83rd Annual Meeting of the American Association of Physical Anthropology. Calgary, Canada.
- (34) Becker C, **Alfonso-Durruty MP**, Missarti N, Troncoso A. 2014. Isotopic analysis of Archaic prehistoric groups in central Chile. 83rd Annual Meeting of the American Association of Physical Anthropology. Calgary, Canada.
- (33) **Alfonso-Durruty MP**, Morello F. 2013. Haunted by the South American hunter: In the trail of South American models for prehistoric Hunter-Gatherers. 78th Annual Meeting of the Society for American Archaeology. Honolulu, HI.
- (32) **Alfonso-Durruty MP**, Morello F. Co-Chairs. 2013. Symposium: New approaches to the archaeological study of South American Hunter-Gatherer societies. 78th Annual Meeting of the Society for American Archaeology. Honolulu, HI Hawaii.
- (31) **Alfonso-Durruty MP**. 2013. Creciendo junto al mar. Los niños de Punta Teatinos. I Museo Nacional de Historia Natural. Santiago, Chile. Invited Talk.
- (30) Thompson JL, **Alfonso-Durruty MP**. 2012. Grave matters: embodying the burials at Punta Teatinos, Chile. 111th Annual Meeting of the American Anthropological Association. San Francisco, CA.
- (29) **Alfonso-Durruty MP**, Giles BT. 2012. Relating perceptions of illness and social deviance to the disposal of the dead at Helena Crossing. 69th Southeastern Archaeology Conference. Baton Rouge, LA.
- (28) Thompson JL, **Alfonso-Durruty MP**. 2012. Economies of scale: growing contributions of prehistoric foraging children from Punta Teatinos, Chile. Society for Cross-Cultural Research Meetings. Panel: Multiple Perspectives on Childhood Economics. Las Vegas, NV. Invited Session.
- (27) **Alfonso-Durruty MP**, Thompson JL. 2012. Fetus into child: comparison of three methods for age estimation in young non-adults from Punta Teatinos, Chile. 81st Annual Meeting of the American Association of Physical Anthropologists. Oregon, WA.
- (26) **Alfonso-Durruty MP**, Thomson JL. 2011. Tracing hunter-gatherer childhood in prehistory: insights from Punta Teatinos. 110th Annual Meeting of the American Anthropological Association. Traces, Tidemarks and Legacies. Montreal, Québec, Canada.
- (25) Lanza N, Valeggia C, **Alfonso-Durruty MP**. 2011. Análisis de los determinantes de la fecundidad de una población Toba durante el siglo XX. XI Jornadas Argentinas de Estudios de Población. Neuquén, Argentina.
- (24) Thompson JL, **Alfonso-Durruty MP**. 2011. Children in prehistory: now seen, now heard. 82nd Annual Conference of the Southwestern Anthropological Association. Health and the human body: practices, policies and perspective. Reno, NV.
- (23) **Alfonso-Durruty MP**, Morello F, Calás E. 2011. The etiology of porotic hyperostosis and spina bifida occulta in a high latitude hunter-gatherer. 80th Annual Meetings of the American Association of Physical Anthropologists. Minneapolis, MN.

- (22) **Alfonso-Durruty, MP**. 2010. Experimental assessment of nutrition and bone growth's velocity effects in Harris lines formation. The Children's Hospital of Philadelphia. Research Institute. Nutrition Center Seminar Series. Philadelphia, PA. Invited talk.
- (21) **Alfonso-Durruty, MP**. 2010. Lines of stops and start. Nutrition, velocity of growth and Harris lines. Department of Anthropology. University of Colorado at Boulder. Boulder, CO. Invited talk.
- (20) Thompson JL, **Alfonso-Durruty MP**. 2010. All work and no play? Society for Cross-Cultural Research. American Anthropological Association Childhood Interest Group. 39th Annual Conference. Albuquerque, NM.
- (19) **Alfonso-Durruty MP**, Thompson JL. 2009. Little helping hands: towards a bioarcheological perspective of childhood's social construction. 3rd Annual Conference. Society for the Study of Childhood in the Past (SSCIP). Coral Gables, FL.
- (18) **Alfonso-Durruty, MP**. 2009. Stops and starts: growth, nutrition and Harris lines. American Association of Physical Anthropologists, 78th Annual Meetings. Chicago.
- (17) **Alfonso-Durruty MP**. 2009. Forensic Anthropology: "follow the evidence". Conference: Homicide Investigation. From Crime Scene to Court. Indiana University-Purdue University of Indianapolis. Indianapolis, Indiana. Invited talk.
- (16) **Alfonso-Durruty MP**. 2008. The adoption of agriculture in Northern Chile. The Institute at the Center for Inquiry. Indianapolis, Indiana. Invited talk.
- (15) **Alfonso MP**, Little MA. 2007. An animal model for the assessment of Harris lines in relation to growth and nutritional stress. 76th Annual Meeting of the American Association of Physical Anthropologists. Philadelphia, PA.
- (14) Bauder JM, **Alfonso MP**, Giles BT. 2007. Ongoing work with the Helena Crossing collection: an analysis of life, health and death in an Arkansas community. 76th Annual Meetings of the American Association of Physical Anthropologists. Philadelphia, PA.
- (13) **Alfonso MP**, Giles BT, Bauder J. 2006. Revisiting burial group F at Helena Crossing. 71st annual meetings of the Society for American Archaeology. San Juan, Puerto Rico.
- (12) Giles BT, Bauder JM, **Alfonso MP**. 2005. Remembering the dead at Helena Crossing. 62nd Annual Meeting of the Southeastern Archaeological Conference. Columbia, SC.
- (11) Weeks J, **Alfonso MP**, Gastrich H, Sunderman S, Reiber C, Shilkret K, Dunn J, Fanelli K, DeRosa N, Faisst E, Garruto RM. 2005. Oneida County chronic wasting disease (CWD) surveillance project. 1st Annual Binghamton Biomedical research conference. Biomedical problems of the 21st Century. Binghamton, NY
- (10) **Alfonso MP**, Standen VG, Castro MA. 2004. The adoption of agriculture among northern Chile populations in the Azapa Valley (9,000-1,000 BP). Paleopathology at the Origins of Agriculture, revisited. Clear Water, Florida. Cohen MN, Crane-Kramer GMM, Organizers. Symposium sponsored by The Wenner-Gren Foundation for Anthropological Research. Invited talk.
- (9) **Alfonso MP**, Standen VG. 2004. Dental pathologies and sociopolitical changes among the coastal and inland populations of the Azapa Valley, Northern Chile. Symposium: Uncovering social organization in the Andes: recent developments in bioarchaeology.

- Organizers: Deborah Blom and Julie Farnum. 69th Annual Meeting. Society for American Archaeology. Montreal, Canada.
- (8) **Alfonso MP**, Thompson JL, Standen VG. 2003. Are Harris lines an indicator of stress? A comparison between Harris lines and enamel hypoplasia. 72nd Annual Meetings of the American Association of Physical Anthropology Tempe, AZ.
 - (7) **Alfonso MP**, Standen VG. 2002. Hypoplastic enamel defects in prehistoric northern Chile. 29th Annual Meeting of the Paleopathology Association. Buffalo, NY.
 - (5) **Alfonso, MP**. 1998. Adaptaciones costeras de las poblaciones prehispánicas del extremo norte de Chile: opción cultural o marginalidad social? [Coastal adaptations among prehispanic populations in northern Chile: cultural choice or social marginality?]. III Congreso Nacional de Antropología. [III National Chilean Anthropology Meetings]. Temuco, Chile.
 - (5) **Alfonso, MP**. 1997. Inferencia social por medio de la patología oral. [Social aspects elucidated through dental pathology]. XIV Congreso Nacional de Arqueología Chilena. [XIV National Chilean Archaeology meetings]. Copiapó, Chile.
 - (4) Solé ML, **Alfonso MP**. 1996. Mesa de Bioantropología. [Bianthropology. Discussion table]. Presentation and analysis of the archaeological sites "Valle Hermoso" and "Los Coiles 136". Paper presented at the workshop: "Cultura Aconcagua: evaluación y perspectivas". [The Aconcagua culture: evaluation and perspectives]. Museo Nacional de Historia Natural. Santiago, Chile.
 - (3) **Alfonso MP**, Solé ML, Henríquez M, Becker C, Rodríguez J. 1995. Estrategias de subsistencia y diferenciación por género: una lectura bioantropológica para una población alfarera prehistórica de Chile central. [Subsistence strategies and gender differences in a ceramic period prehistoric population of central Chile]. II Congreso Nacional de Antropología. [II National Chilean Anthropology Meetings]. Valdivia, Chile.
 - (2) Solé ML, **Alfonso MP**, Rodríguez J, Becker C. 1994. Valle Hermoso, ochocientos años de historia: calidad de vida y organización laboral a través de la evidencia esquelética. [The Valle Hermoso archaeological site. Eight hundred years of history: quality of life and division of labor as revealed by the skeletal evidence]. XIII Congreso Nacional de Arqueología Chilena. [XIII National Chilean Archaeology Meetings]. Antofagasta, Chile.
 - (1) Solé ML, **Alfonso MP**, Avalos H, Rodríguez J. 1994. Organización social, salud y enfermedad: Los Coiles 136, un cementerio alfarero de Chile central. [Social organization, sickness and health: the Los Coiles 136 archaeological site, a Ceramic Period cemetery from central Chile]. XIII Congreso Nacional de Arqueología Chilena. [XIII National Chilean Archaeology meetings]. Antofagasta, Chile.

ORGANIZED WORKSHOPS & SYMPOSIUMS

- (5) **Alfonso-Durruty MP**, Blom D. 2020. Symposium: Food, diet and cuisine in the ancient Andes. Amerind Museum Foundation. Organizer and Co-Chair.
- (4) **Alfonso-Durruty MP (Co-Chair)**, Morello F. 2013. Symposium: New Approaches to the archaeological and bioarchaeological study of South American hunter-gatherer societies. 78th Annual Meetings of the Society for American Archaeology. Honolulu, HI. Organizer and Co-Chair.

- (3) Thompson JL, **Alfonso-Durruty MP**. 2011. Tracing Childhood. Bioarchaeological investigations of life in antiquity. 110th Annual Meetings of the American Anthropological Association. Traces, Tidemarks and Legacies. Montreal, Québec, Canada. Organizer and Co-Chair.
- (2) **Alfonso-Durruty MP**, Thompson JL. 2010. Child Labor. The economic role of children in the past. Symposium #12. Society for Cross-Cultural Research. 39th Annual Conference of the American Anthropological Association Childhood Interest Group. Albuquerque, New Mexico. January. Co-Chair.
- (1) **Alfonso MP**. 1999. Bio-anthropology symposium: "Periodo Agroalfarero Temprano en Chile central" Workshop. [The Early Ceramic-Farming period in central Chile]. Departamento de Antropología, Facultad de Ciencias Sociales, Universidad de Chile. Sponsored by: FONDECYT grant 1970910. Santiago, Chile. Chair.

PROFESSIONAL MEMBERSHIPS

American Association of Biological Anthropology
Society for American Archaeology
Dental Anthropology Association
Sociedad de Arqueología Chilena
Colegio de Arqueólogos de Chile

SERVICE TO THE DISCIPLINE

Associate Editor (Bioarchaeology): Chungara, Revista Chilena de antropología. 2022-Present (<http://www.chungara.cl/index.php/es/cuerpo-editorial>)

Editorial Board Member: Magallania, Chile. 2009–December 2020 (<http://www.magallania.cl/index.php/magallania>)

Associate Editor (Bioarchaeology): Revista Argentina de Antropología Biológica (RAAB). July 2018-Present (<https://revistas.unlp.edu.ar/raab>)

Editor. Boletín de la Sociedad Chilena de Arqueología. May 2020-January 2022. (<http://boletin.scha.cl/boletin/index.php/boletin>)

Editorial Board Member: Chungara. Revista de Antropología Chilena. 2014-2022 (<http://www.chungara.cl/index.php/es/>).

External (Ad hoc) Journal Reviewer: (1) American Journal of Physical Anthropology; (2) American Journal of Physiological Anthropology; (3) American Anthropologist; (4) Anthropologie-Internationale. Journal of the Science of Man; (5) Collegium Antropologicum; (6) Estudios Atacameños; (7) International Journal of Osteoarchaeology; (8) International Journal of Paleopathology; (9) International Journal of Archaeological Sciences, and; (10) Latin American Antiquity.

External (Ad hoc) Grant Reviewer: **(1)** National Science Foundation (NSF); **(2)** Research Programme Responsible Innovation of the Netherlands Organization for Scientific Research; **(3)** Fondo Nacional de Ciencias y Tecnología, Chile (FONDECYT-National fund for the development of science and technology, Chile); **(4)** Fondo Nacional de Ciencias y Tecnología, Argentine (CONICET-National Found for the development of Science and Technology, Argentine); **(5)** Fondo Clemente Estable, Uruguay.

HONORS & AWARDS

Awardee. Amerind Award 2020. Amerind Foundation Museum. With Deborah Blom.

Awardee. The George R. Peters Junior Faculty Enhancement Award. 2016. The College of Arts and Sciences, Kansas State University.

Winner. Distinguished Dissertation Award 2008. Category: Social Sciences, Management, Education and Nursing. State University of New York, Binghamton University. Binghamton, New York.

Winner. The graduate student award for excellence in research. 2004. State University of New York, Binghamton University. Binghamton, New York.

Honoree. Graduated as best student of the class, among all Anthropological sub-discipline specialties, 1995. Departamento de Antropología, Facultad de Ciencias Sociales, Universidad de Chile. Santiago, Chile. 1995. Universidad de Chile is the oldest and one of the two most prestigious higher education institutions in Chile.

TEACHING EXPERIENCE

Courses Taught in Biological Anthropology: **(1)** Introduction to Biological (Physical) Anthropology; **(2)** Human Origins and Prehistory; **(3)** Evolutionary/Darwinian Medicine; **(4)** Plagues: the coevolution of humans and pathogens; **(5)** Human Growth and Development; **(6)** Bioarchaeology; **(7)** Human Osteology; **(8)** Dental Anthropology; **(9)** Forensic Anthropology; **(10)** Graduate Seminar in Biological Anthropology (The College of William and Mary).

Courses Taught in Archaeology: **(1)** Introduction to Archaeology; **(2)** Andean Archaeology; **(3)** Seminar: Research design and grant writing for Archaeologists (Universidad Alberto Hurtado, Chile).

CURRENT (ACTIVE) GRANTS

- (24) **Cape Horn International Center for Global Change Studies and Biocultural Conservation-CHIC. 2022- International Researcher: Marta Alfonso-Durruty.** Universidad Católica de Chile and Universidad de Magallanes
- (23) **NATIONAL SCIENCE FOUNDATION.** Collaborative-Grant: 2019581/2019577/2019607. **2020-2023.** Origins and population history of the Prehistoric groups of Fuego-Patagonia. **Principal Investigator (PI): Marta P. Alfonso-Durruty.** 2020-2023 (U\$400,000).
- (22) **FONDECYT (Fondo Nacional para el Desarrollo de las Ciencias y la Tecnología, Chile).** Grant: 1200276. **2020-2023.** Program: Anthropology and Archaeology. Sobre la aparición del arte rupestre en el norte semiárido (29-30°S): Practicas sociales, paisaje y procesos históricos. **International Researcher: Marta P. Alfonso-Durruty** (\$322,849).
- (21) **FONDECYT Program: Anthropology and Archaeology: 2018-2022.** Grant: 1190984. Cazadores recolectores del Archipiélago Fueguino durante el Holoceno Tardío: Dinámicas culturales, sociales y ambientales en el centro del Estrecho de Magallanes y canal Beagle. **Co-PI: Marta P. Alfonso-Durruty** (\$349,095).
- (20) **NATIONAL GEOGRAPHIC FOUNDATION.** Grant: Pilot, no #. **2018-2019 (extended to 2021).** Early genetic signatures in the Peopling of Northern Chile Principal Investigator: **Principal Investigator: Marta Alfonso-Durruty.** Co-PIs: Dr. Vivien Standen (Universidad de Tarapacá, Chile), Dr. Calogero Santoro (Universidad de Tarapacá, Chile). (\$8,000).

PREVIOUS GRANTS SCHOLARSHIPS & FELLOWSHIPS

- (19) **NATIONAL GEOGRAPHIC FOUNDATION. 2015-2018.** Genographic Program. Uncovering the genetic legacies of Fuegians and Patagonians. **Principal Investigator: Marta Alfonso-Durruty** (\$49,430).
- (18) **FONDECYT (Fondo Nacional para el Desarrollo de las Ciencias y la Tecnología, Chile).** Program: Anthropology and Archaeology. Grant: 1151046. **2016-2018.** Consumo integral de animales en la prehistoria del extremo norte de Chile: una perspectiva interdisciplinaria a través de diferentes líneas de evidencias (ca. 1000 a 1400 d.C.) [Animal foods in the prehistory of Northern Chile: interdisciplinary research and evidence (1,000-1,400 BP)]. **International Researcher: Marta Alfonso-Durruty** (\$330,296).
- (17) **FONDECYT.** Program: Anthropology and Archaeology. Grant: 1140939. **2014-2018.** Arqueología de las grandes Islas Fueguinas: Tierra del Fuego, Dawson y Navarino. Poblamiento Humano e Interacción cultural. [Archaeology of the main Fuegean Islands: Tierra del Fuego, Dawson and Navarino. Peopling and Cultural Interaction]. **International Researcher: Marta Alfonso-Durruty** (\$584,000).

- (16) **DIRECCIÓN DE BIBLIOTECAS, ARCHIVOS Y MUSEOS. Museo Nacional de Historia Natural. Programa de fortalecimiento Actividad Curatorial.** Grant: No #. **2013.** Transformaciones en la dieta de las comunidades prehispánicas del Norte Semiárido a partir del estudio de isótopos estables [Documenting dietary changes among prehispanic groups from the Semi-arid región of Northern Chile, through stable isotopes]. **Co-PI: Marta Alfonso-Durruty (\$12,500).**
- (15) **KANSAS STATE UNIVERSITY. ADVANCE: Distinguished Lecture Series.** Grant: No#. 2013. Office for the Advancement of Women in Science (\$1,200).
- (14) **KANSAS STATE UNIVERSITY. Faculty Enhancement Award.** Grant: No #. **2013.** Emergence of specialized economic adaptations and ethnic identities among pre-historic hunter-gatherers in Tierra Del Fuego, Patagonia, Chile. **PI: Marta Alfonso-Durruty (\$8,188).**
- (13) **KANSAS STATE UNIVERSITY. University Small Research Grant. 2012.** Grant: Cranial modification and the emergence of ethnic identities among pre-historic hunter-gatherers in Tierra del Fuego, Patagonia, Chile. **PI: Marta Alfonso-Durruty (\$4,975).**
- (12) **AMERICAN ASSOCIATION OF PHYSICAL ANTHROPOLOGY.** Grant: No #. **2011.** Professional Development Grant. Co-occurrence of porotic hyperostosis and spina bifida occulta among high latitude hunter-gatherers. **PI: Marta Alfonso-Durruty (\$5,000).**
- (11) **STATE UNIVERSITY OF NEW YORK, BINGHAMTON UNIVERSITY. 2007.** Dissertation Semester *Fellowship*. Binghamton, New York.
- (10) **WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH.** Grant: 7431. 2006. Dissertation Fieldwork *Grant* (\$25,000).
- (9) **AMERICAN WOMEN IN SCIENCE.** Predoctoral *Fellowship*. Association for Women in Science Educational Foundation. 2006. (\$1,000).
- (8) **SIGMA XI.** Grant in aid of Research. 2005. Predoctoral award Sigma-XI (\$1,000).
- (7) **STATE UNIVERSITY OF NEW YORK, BINGHAMTON.** Teaching Assistant *Scholarship*. Fall 2002-Spring 2007.
- (6) **UNIVERSITY OF NEVADA, LAS VEGAS.** Edwards and Olswang *Scholarship*. Department of Anthropology and Ethnic Studies. 2001.
- (5) **UNIVERSITY OF NEVADA, LAS VEGAS.** Graduate Students Association *Scholarship*. 2001.
- (4) **UNIVERSITY OF NEVADA, LAS VEGAS.** Studies Abroad *Scholarship*. 2001.
- (3) **UNIVERSITY OF NEVADA, LAS VEGAS.** Teaching /Research Assistant *Scholarship*. Department of Anthropology. Fall 2000–Spring 2002.

- (2) **FUNDACIÓN ANDES.** *Grant* for the development and preservation of archaeological and human osteological patrimony at the Museo Rev. Padre Sebastián Englert, Eastern Island. Grant #: C-231259. 1998. (\$42,000). **Co-Pi: Marta Alfonso.**
- (1) **FONDECYT.** El impacto de la agricultura en las condiciones de salud de las poblaciones prehispánicas del norte de Chile: Una visión procesual a través de 8000 años de historia. Grant: 1970525. 1997. **Professional Dissertation Student: Marta Alfonso-Durruy.** PI: Dr. Vivien Standen (Universidad de Tarapacá).