

Michele Rose Buzon

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CURRENT ACADEMIC POSITION

Assistant Professor, Department of Anthropology, Purdue University

RESEARCH INTERESTS

Bioarchaeology, Paleopathology, Culture Contact, Biological and Ethnic Identity, Environmental Stress, Isotope Analysis, Nubia, Egypt

EDUCATION

Killam Postdoctoral Fellowship, Department of Anthropology, University of Alberta, 2004-2006.
Project: "Strontium Isotope Analysis of Migration in the Nile Valley."
Supervisors: Dr. Nancy Lovell, Dr. Sandra Garvie-Lok.

Ph.D. in Anthropology, University of California, Santa Barbara, 2004.
Dissertation: "A Bioarchaeological Perspective on State Formation in the Nile Valley."
Supervisor: Dr. Phillip L. Walker

M.A. in Anthropology, University of California, Santa Barbara, 2000.
Supervisor: Dr. Phillip L. Walker

B.S. Honors in Anthropology, Magna Cum Laude, Loyola University Chicago, 1996.

EXTRAMURAL FUNDING

Senior Research Grant, National Science Foundation, (\$74,408), 2009-2011. *Collaborative Research: A Bioarchaeological Investigation of Identity Development during Napatan State Formation* (co-PI Stuart Tyson Smith)

Franklin Research Grant, American Philosophical Society, (\$5,000), 2009. *Isotope Analysis of Migration and Diet in New Kingdom Nubia.*

Professional Development Grant, American Association of Physical Anthropology (\$5,000), 2009.
A Bioarchaeological Investigation of Identity Development during Napatan State Formation.

Committee for Research and Exploration Grant, National Geographic Society (\$20,000), 2009.
A Bioarchaeological Investigation of Napatan State Development at the Third Cataract.

Franklin Research Grant, American Philosophical Society (\$3,000), 2005. *Isotope Analysis of Migration and Diet in New Kingdom Nubia.*

Izaak Walton Killam Memorial Postdoctoral Fellowship, Killam Trust (CAD\$40,000/year, plus CAD\$4,000 in research/travel funds), 2004-2006.

Dissertation Improvement Grant, #0313247, National Science Foundation (\$12,000), 2003-2004. *A Bioarchaeological Perspective on State Formation in the Nile Valley.*

Research Grant, Institute for Bioarchaeology, funded the transport of Tombos skeletal material from Sudan to UCSB for Ph.D. research and curation (\$10,000), 2002.

Graduate Research Fellowship, National Science Foundation, (\$53,000 over three years + fees, \$1,000 int'l research travel allowance, plus \$6,000 in research funds from UCSB), 1998-2000, 2003.

INTRAMURAL FUNDING

Purdue Alumni Association Research Incentive Grant, (\$3,000), 2009.

Teaching Incentive Grant, College of Liberal Arts, Purdue University (\$750), 2008.

Purdue Research Foundation Research Grant, Purdue University (Research assistantship), 2008-9.

Purdue Research Foundation Summer Faculty Grant, Purdue University (\$8,000), 2008.

Research Incentive Grant, College of Liberal Arts, Purdue University (\$1,000), 2007.

Dissertation Fellowship, Graduate Division, UCSB (\$5,000 + fees), 2004.

Graduate Fellowship, Graduate Division, UCSB (\$12,500/3 terms over two years + fees), 2002-2004.

Fee Fellowship, Dept. of Anthropology, UCSB (university fees), 2002-2003.

Albert Spaulding and Elman Service Memorial Fellowship, Dept. of Anthropology, UCSB (\$3,000), 2003.

Graduate Student Travel Grant, Graduate Division, UCSB (\$825), 2002.

Dissertation Proposal Writing Fellowship, Graduate Division, UCSB (\$4,000), 2002.

Intercampus Research Travel Grant, Academic Senate, UCSB (\$245), 2001.

Conference Mini-Travel Grant, Center for Middle East Studies, UCSB (\$500), 2001.

Humanities and Social Sciences Research Grant, UCSB, Pre-dissertation field site visit (\$2,000), 2001.

Presidential Scholarship, Loyola University Chicago (\$8,000/over four years), 1992-1996.

PUBLICATIONS

In print

- 2009 Andrushko VA, Buzon MR, Simonetti A, Creaser RA. Strontium isotope evidence for prehistoric migration at Chokepukio, Valley of Cuzco, Peru. *Latin American Antiquity* 20:57-75 (refereed).
- 2008 Buzon MR (2008). A bioarchaeological perspective on Egyptian colonialism in Nubia during the New Kingdom. *Journal of Egyptian Archaeology* 94:165-81 (refereed).
- 2008 Buzon MR, Judd MA. "Investigating health at Kerma: sacrificial versus non-sacrificial burials." *American Journal of Physical Anthropology* 136:93-9 (refereed).
- 2008 Simonetti A, Buzon MR, Creaser RA. "In-situ elemental and Sr isotope investigation of human tooth enamel by Laser Ablation-(MC)-ICP-MS: successes and pitfalls." *Archaeometry* 50:371-385 (refereed).

- 2007 Buzon MR, Simonetti A, Creaser RA. "Migration in the Nile Valley during the New Kingdom period: a preliminary strontium isotope study." *Journal of Archaeological Science* 9:1391-1401 (refereed).
- 2007 Buzon MR, Richman R. "Traumatic injuries and imperialism: the effects of Egyptian colonial strategies in upper Nubia." *American Journal of Physical Anthropology* 133:783-791 (refereed).
- 2006 Buzon MR. "Life in New Kingdom Nubia: a bioarchaeological analysis of ethnicity, biological affinities, and health." *Acta Nubica: Proceedings of the X Conference for Nubian Studies*, edited by I Caneva and A Roccati. Istituto Poligrafico e Zecca dello Stato Spa, Rome, pp. 213-218.
- 2006 Buzon MR. "The relationship between biological and ethnic identity in New Kingdom Nubia." *Current Anthropology* 47:683-695 (refereed).
- 2006 Buzon MR. "Health of the non-elites at Tombois: nutritional and disease stress in New Kingdom Nubia." *American Journal of Physical Anthropology* 130: 26-37 (refereed).
- 2005 Buzon MR, Eng JT, Lambert P, Walker PL. "Bioarchaeological methods." In *Handbook of Archaeological Methods*, Vol II, edited by H Maschner and C Chippindale. Altamira Press, Lanham, MD, pp. 871-918.
- 2005 Buzon MR. "Two cases of pelvic osteochondroma in New Kingdom Nubia." *International Journal of Osteoarchaeology* 15: 377-382 (refereed).
- 2005 Buzon MR, Walker PL, Drayer Verhagen F, Kerr S. "Health and disease in 19th century San Francisco: skeletal evidence from a forgotten cemetery." *Historical Archaeology* 39(2):1-15 (refereed).
- 2002 Buzon MR and Grauer AL. "A bioarchaeological analysis of subsistence strategies at the SU site, New Mexico." *Kiva* 68(2):5-24 (refereed).

In press

- Buzon MR, Bombak A. "Dental Disease in the Nile Valley during the New Kingdom." *International Journal of Osteoarchaeology*. Accepted 28 October 2008 (refereed).
- Buzon MR, Bowen GJ. Oxygen isotope analysis of migration in the Nile Valley. *Archaeometry*. Accepted July 2009 (refereed).

In review

- Conlee CA, Buzon MR, Simonetti A, Creaser RA. Identifying foreigners versus locals in the burial population of Nasca, Peru: An investigation using strontium isotope analysis. Submitted to *Journal of Archaeological Science*, February 2009 (refereed).

TEACHING AND RELATED EXPERIENCE

Instructor, Honours Thesis Supervisor, Department of Archaeology, University of Calgary, 2006-2007.

Instructor, Department of Anthropology, University of Alberta, 2005.

Instructor, Department of Anthropology, UCSB, 2004.

Teaching Assistant, Department of Anthropology, UCSB, 2001, 2002.

Laboratory Manager, Biological Anthropology Laboratory, Loyola University Chicago, 1996-1998. (Curated and maintained laboratory skeletal collections, coordinated and supervised student

osteological work and courses, conducted research independently and in collaboration with Dr. Anne Grauer).

Instructional Skills Program, University Teaching Services, University of Alberta, completed June 2005.

ARCHAEOLOGICAL FIELDWORK AND MUSEUM EXPERIENCE

Tombos, Sudan

Principle Investigator, Bioarchaeological Investigation of Identity Development during Napatan State Formation, Winter 2010.

La Tiza, Nasca, Peru

Principal Osteologist, Post-Collapse Transformations in Late Prehispanic Nasca, directed by Dr. Christina Conlee (Texas State University, San Marcos), July 2005, 2009.

Wrangell-St. Elias National Park, Alaska

Volunteer Archaeologist, Assisted with National Historic Preservation Act Section 106 compliance and independent research, August 2003, 2004.

University of California, Santa Barbara Expeditions to Nubia, Sudan

Principal Osteologist, Merowe Dam Archaeological Salvage Project, Sudan, Fall 2003.

Principal Osteologist, New Kingdom cemetery, Tombos, Sudan, Winter 2000, 2002.

Biological Anthropology Laboratory, University of Copenhagen, Denmark

Dissertation research on biological affinities and health of ancient Nubians from the Scandinavian Joint Expedition to Nubia Collection, Fall 2003; sample collection for isotope research, Summer 2008.

Duckworth Collection, Department of Biological Anthropology, University of Cambridge, UK

Dissertation research on biological affinities and health of ancient Nubian and Egyptian populations from the Kerma, Shellal, Memphis, and Qurneh sites, Winter 2003; sample collection for isotope research, Summer 2008.

Dayton Canyon Site, Canoga Park, CA

Osteologist, Excavation/analysis of human skeletal remains for SWCA Environmental Consultants, 2001.

Vandenberg Air Force Base, Lompoc, CA

Osteologist, Excavation/analysis of human skeletal remains for United States Air Force, 2000.

Ya'amun Site, Jordan

Bioarchaeological field school. Excavation/analysis of human skeletal remains from Roman/Byzantine burials. University of Arkansas and Yarmouk University, 1999.

McGraw Site, Lake Barrington, IL

Osteologist, Excavation/analysis of human skeletal remains for Midwest Archaeological Research Services, Inc., 1996-1998.

Field Museum of Natural History, Chicago, IL

Paleopathological analysis of skeletal collections with Dr. Anne Grauer, 1996-1998.

Dunning Poorhouse Cemetery, Chicago, IL

Osteologist, Excavation/analysis of human skeletal remains for Midwest Archaeological Research Services, Inc, 1996-1997.

BIOARCHAEOLOGICAL REPORTS

Walker PL, Buzon MR, Eng JT. Analysis of Human Remains from Dayton Canyon (CA-LAN-254), Canoga Park, California. SWCA Environmental Consultants, Mission Viejo, CA, 2003.

Walker PL, Buzon MR, and Torres-Rouff C. Report on the Human Remains from SLO-1878. C.A. Singer and Associates, Inc. Cambria, CA, 2001.

Buzon MR, Lopez I, Yoshida B, Walker PL. Identification of Human Skeletal Remains from SBA-530, Honda Canyon, South Vandenberg Air Force Base, Lompoc, CA, 2001.

Grauer AL and Buzon MR. Chapter 5: Skeletal Analysis. In *Results of Phase III Archaeological Mitigation of the McGraw Farm Site (11-L-386), Cuba Township, Lake County, Illinois*. Midwest Archaeological Research Services, Inc. Cultural Resource Management Report No. 621, 1999.

CONFERENCE AND INVITED PRESENTATIONS

Buzon, MR. "Who were the Bronze Age Nubians? A bioarchaeological investigation of C-Group and Kerma identity." Chacmool Conference, University of Calgary, 2009.

Buzon MR, Bowen GJ. "Oxygen isotope analysis of tooth enamel carbonate from the New Kingdom site of Tombos." American Association of Physical Anthropologists, Chicago. Abstracted in *American Journal of Physical Anthropology* Supplement 48:100, 2009.

Buzon MR, Pelletier J. "The effects of water on tomb architecture and bone microstructure at the Egyptian colonial New Kingdom cemetery of Tombos in Nubia." American Society for Oriental Research, Boston, 2008.

Buzon MR, Bombak A. "Dental disease in New Kingdom Nile Valley populations." World Archaeological Congress, Dublin, 2008.

Buzon MR, Conlee CA, Simonetti A, Creaser RA. "An investigation of human migration and burial practices in the Nasca region using strontium isotope analysis." Society for American Archaeology, Vancouver. Abstracted in *Society for American Archaeology* Abstracts of the 73rd Annual Meeting:109-110, 2008.

Andrushko VA, Buzon MR, Simonetti A, Creaser RA. "Using strontium isotope analysis to investigate a child sacrifice from the Inca heartland." Society for American Archaeology, Vancouver. Abstracted in *Society for American Archaeology* Abstracts of the 73rd Annual Meeting:53, 2008.

Bombak A, Buzon MR. "Dental pathology in New Kingdom Nubia." Canadian Association for Physical Anthropology, Banff, 2007.

Simonetti A, Buzon MR, Creaser RA. "Elemental and Sr isotope investigations of human tooth enamel by laser ablation-(MC)-ICP-MS: Successes and pitfalls. Goldschmidt Conferences, Cologne, 2007.

Conlee CA, Gutiérrez AN, Buzon MR. "Migration and Ethnogenesis: Long-Term Dynamics at the site of La Tiza" Society for American Archaeology, Austin, 2007.

- Buzon MR, Conlee CA, Simonetti A, Creaser RA. "⁸⁷Sr/⁸⁶Sr Isotope Analysis of Human Remains from the site of La Tiza, Peru." Society for American Archaeology, Austin, 2007 (poster).
- Andrushko VA, Buzon MR, Simonetti A, Creaser RA. "Strontium isotope evidence for prehistoric migration in the valley of Cuzco, Peru." American Association of Physical Anthropologists, Philadelphia. Abstracted in *American Journal of Physical Anthropology* Supplement 44:64, 2007.
- Buzon MR. "The bioarchaeological effects of Egyptian colonial activities in Nubia during the New Kingdom." Symposium, 'Bioarchaeological Insights into Ancient Imperialism: Perspectives from the Old and New Worlds,' Society for American Archaeology, San Juan, Puerto Rico. Abstracted in *Society for American Archaeology Abstracts of the 71st Annual Meeting*:88, 2006.
- Pelletier J, Buzon MR. "An investigation of tetracycline-labeled bone in the Nile Valley." University of Alberta Postdoc Research Day, Dept. of Anthropology Undergraduate Conference, 2006 (poster).
- Buzon MR, Simonetti A, Creaser R. "Strontium Isotope Analysis of Migration in the Nile Valley during the New Kingdom Period." Chacmool Conference, University of Calgary, 2005.
- Buzon MR, Richman R. "Patterns of Traumatic Injuries in Nubia During the Egyptian New Kingdom Colonial Occupation." Canadian Association for Physical Anthropology, Winnipeg, MB, 2005.
- Buzon MR. "The effects of Egyptian colonialism on the Tombos Population in Nubia during the New Kingdom Period." Department of Anthropology, Colorado College, 2005.
- Buzon MR. "Ethnic and biological identity in New Kingdom Nubia." American Association of Physical Anthropologists, Milwaukee. Abstracted in *American Journal of Physical Anthropology* Supplement 40: 81, 2005.
- Buzon MR. "A Bioarchaeological Perspective on Egyptian Colonialism in Nubia during the New Kingdom Period." University of Alberta, Department of Anthropology, Brown Bag Lunch Talk, 2004.
- Buzon MR. "Patterns of porotic hyperostosis in ancient Nubia and Egypt." Society for American Archaeology, Montreal, Canada. Abstracted in *Society for American Archaeology Abstracts of the 69th Annual Meeting*: 71, 2004 (poster).
- Buzon MR. "Two cases of pelvic osteochondroma in New Kingdom Nubia." Paleopathology Association, Tempe, AZ. Abstracted in *Paleopathology Newsletter* Supplement: 12, 2003 (poster).
- Buzon MR. "Life in New Kingdom Nubia: A bioarchaeological analysis of ethnicity, biological affinities and health at Tombos." International Society of Nubian Studies, Rome, Italy, 2002.
- Buzon MR. "Preliminary analysis of elite and middle-class New Kingdom cemeteries in Tombos, Sudan." American Association of Physical Anthropologists, Kansas City, MO. Abstracted in *American Journal of Physical Anthropology* Supplement 29: 46, 2001.
- Buzon MR, Walker PL, Drayer F, Kerr S. "Health and disease in 19th century San Francisco: skeletal evidence from a forgotten cemetery." Annual Meeting of the American Association of Physical Anthropologists, San Antonio, TX. Abstracted in *American Journal of Physical Anthropology* Supplement 30: 115, 2000 (poster).
- Zabecki M, Willis W, Buzon M. "Bioarchaeological analysis of a multiple internment tomb at the site of Yasileh, Jordan." Annual Meeting of the Paleopathology Association. San Antonio, TX, 2000.
- Anderson M, Zabecki M, Renfro B, Willis W, Buzon M. "Bioarchaeological analysis of a multiple internment tomb at the site of Yasileh, Jordan." American Schools of Oriental Research, Boston, MA, 1999.
- Buzon MR, Grauer AL. "Mortuary practices and paleopathological analyses of early northeastern Illinois peoples." Annual Meeting of the American Association of Physical Anthropologists, Salt Lake City, UT. Abstracted in *American Journal of Physical Anthropology* Supplement 26: 72, 1998 (poster).

Buzon MR, Grauer AL and Kilbane EJ. "Possible evidence of nutritional stress due to transition in subsistence strategies." Annual Meeting of the American Association of Physical Anthropologists, St. Louis, MO. Abstracted in *American Journal of Physical Anthropology* Supplement 24:85, 1997 (poster).

Buzon MR and Krueger T. "Evidence of 'Pipe Smoker's Wear' in the Dunning Cemetery population." Bioarchaeology and Forensic Anthropology Association, Kalamazoo, MI, 1996.

PROFESSIONAL ACTIVITIES

Reviewer, American Journal of Physical Anthropology, Current Anthropology, International Journal of Osteoarchaeology, Journal of Archaeological Science, Journal of Anthropological Archaeology, Latin American Antiquity, National Science Foundation, Pearson Education.

Session Chair, Annual Meeting of the American Association of Physical Anthropologists, Chicago, 2009.

Session Chair, Annual Meeting of the Paleopathology Association, Columbus, 2008.

Student Prize Judge, Annual Meeting of the Paleopathology Association, Columbus, 2008.

Preparing Undecalcified Ground Tooth Sections Workshop, McMaster University Anthropology Hard Tissue and Light Microscopy Laboratory, 2007.

Student Prize Judge, Graduate Student Conference, Dept. of Anthropology, University of Alberta, 2006.

Postdoctoral Fellows Professional Development Program, University of Alberta, completed November 2005.

Conference Program Assistant, 70th Annual Meeting of the American Association of Physical Anthropologists, Kansas City, MO. Dr. Phillip Walker, Scientific Program Committee Chair and Vice-President, 2000-2001.

Co-President, Anthropology Graduate Student Association, UCSB, 2001-2002.

Graduate Student Representative, Department of Anthropology Space Committee, UCSB, 2000-2001.

Membership Assistant, American Association of Physical Anthropologists Membership Committee. Dr. Phillip Walker, Membership Chair, 1999-2000.

Conference Program Assistant, Annual Meeting of the Midwest Bioarchaeology and Forensic Anthropology Association, Loyola University Chicago. Dr. Anne Grauer, Meeting Chair, 1997.

PROFESSIONAL MEMBERSHIPS

American Anthropological Association, 2004-present.

American Association of Physical Anthropologists, 1996-present.

Paleopathology Association, 1996-present.

Sigma Xi, 2007-present.

Society for American Archaeology, 2003-present.

Sudan Archaeological Research Society, 2002-present.