

Curriculum Vitae

CHRISTIAN ALEXANDER TRYON

Department of Anthropology, Harvard University
 Peabody Museum, 11 Divinity Avenue, Cambridge, MA 02138
 Tel: 617-495-5820, Fax: 617-496-8041, Email: christiantryon@fas.harvard.edu

EDUCATION

Ph.D. (with distinction), Anthropology, U. of Connecticut, Storrs, 2003.

M.A., Anthropology, U. of Connecticut, Storrs, 2000.

B.A. (Honors), Anthropology and English, *cum laude*, U. of Connecticut, Storrs, 1996.

POSITIONS HELD

- 2013-present Assistant Professor. Department of Anthropology, Harvard University.
 2008-2013 Assistant Professor. Department of Anthropology, New York University.
 2005-present Smithsonian Research Collaborator, Human Origins Program, Department of Anthropology, National Museum of Natural History, Smithsonian Institution.
 2005-2007 Visiting Assistant Professor and Assistant Professorial Lecturer. Department of Anthropology, The George Washington University.
 2004-2005 Smithsonian Postdoctoral Fellow, National Museum of Natural History, Smithsonian Institution.
 2004 Fondation Fyssen Postdoctoral Fellow, Centre d'études Préhistoire, Antiquité et Moyen-Age (CEPAM), Centre National de la Recherche Scientifique (CNRS), Valbonne-Sophia Antipolis, France.
 2002 Lecturer, Department of Anthropology, University of Connecticut.

RESEARCH INTERESTS

The archaeological, evolutionary, and geological context of early *Homo sapiens*, reconstruction of hominin behavior, Paleolithic archaeology (including African Early and Middle Stone Age sites), lithic technology and raw material provenance analysis, geochemical analysis and correlation of volcanic ash deposits using an electron microprobe, natural and cultural formation processes of the archeological and paleontological record.

RESEARCH GRANTS

- 2016 L.S.B. Leakey Foundation, Jason Lewis, P.I., Rhonda Quinn, co-P.I., **C.A. Tryon**, co-P.I., The Late Pleistocene/Holocene archaeological assemblages from Kisese II rockshelter, Kondoa District, northern Tanzania, and implications for understanding modern human origins (\$24,150).
 2015 Harvard University's Research Enabling Grant, **C.A. Tryon**, P.I. (\$38,179).
 2015 Harvard University's Radcliffe Institute, **C.A. Tryon**, P.I.: Exploratory seminar: The biogeography of modern human origins and dispersals (\$18,000).
 2011 New York University's Research Challenge Fund, **C.A. Tryon**, P.I. Equatorial African evidence for human origins and dispersals (\$13,546).
 2010 National Science Foundation, **C.A. Tryon**, P.I., Daniel Peppe, P.I.; David Fox, P.I. Collaborative Research: Quaternary Archaeology and Environments of Rusinga and Mfangano Islands, Kenya (BCS-1013199 NYU portion \$68,839 out of \$148,685).
 2010 National Geographic Society, Committee for Research and Exploration, **C.A. Tryon**, P.I. Paleoanthropological survey of Pleistocene sediments on Rusinga and Mfangano islands, Kenya (8762-10, \$20,500).
 2010 L.S.B. Leakey Foundation, **C.A. Tryon**, P.I., Pleistocene paleoanthropology of Rusinga and Mfangano Islands, Kenya (\$13,210).

RESEARCH GRANTS CONTINUED

- 2008 *National Science Foundation*, **C.A. Tryon**, P.I., K. McNulty, co-P.I. High Risk Research in Anthropology: Testing the archaeological potential of the Wasirya Beds, Rusinga Island, Kenya (BCS-0841530; \$15,653).
- 2006 *National Geographic Society*, Committee for Research and Exploration. **C.A. Tryon**, P.I. Archaeological survey of ~235,000-117,000 year-old rift valley sediments near Silali, northern Kenya (\$20,000).
- 2001 *National Science Foundation* Doctoral Dissertation Improvement Grant. S. McBrearty, P.I., **C.A. Tryon**, co-P.I. Archaeology and tephrostratigraphy of the southern Kapthurin Formation, Baringo, Kenya (BCS-0118345; \$6,990).
- 2001 *Wenner-Gren Foundation for Anthropological Research, Inc.* Dissertation Fieldwork Grant. **C.A. Tryon** P.I. The Acheulian to Middle Stone Age transition of the southern Kapthurin Formation, Kenya (\$19,951).
- 2001 *Bill Bishop Memorial Trust*. **C.A. Tryon**, P.I. The Acheulian to Middle Stone Age transition of the southern Kapthurin Formation, Baringo, Kenya (£100).
- 2000 *L.S.B. Leakey Foundation* Dissertation Fieldwork Grant. **C.A. Tryon**, P.I. Archaeological and tephrostratigraphic survey in the southern Kapthurin Formation, Kenya (\$12,520).
- 1999 *University of Connecticut Research Foundation* Summer Fellowship. **C.A. Tryon**, P.I. Documenting Middle Pleistocene hominid behavioral variability in the Lake Baringo basin, Kenya: A tephrostratigraphic approach (\$1,000).

TEACHING GRANTS

- 2014 *Harvard University*, Graduate Seminar in General Education (\$15,000).

PUBLICATIONS

*Denotes student co-author

PEER-REVIEWED JOURNAL ARTICLES

- In press Blegen, N.; Brown, F.H.; Jicha, B.R.; Binetti, K.M.; Faith, J.T.; Ferraro, J.V.; Gathogo, P.; Richardson, J.L.; **Tryon, C.A.** The Menengai Tuff: A 36 ka widespread tephra and its chronological relevance to Late Pleistocene human evolution in Africa. *Quaternary Science Reviews*.
- In press *Jenkins, K.E.; *Nightingale, S.; Faith, J.T.; Driese, S.G.; Peppe, D.J.; Michel, L.A.; McNulty, K.P.; **Tryon, C.A.** New excavations at Wakondo (Rusinga Island, Kenya): Middle Stone Age exploitation of a catastrophic death assemblage of the extinct bovid *Rusingoryx atopocranium*. *Journal of Human Evolution*.
- In review **Tryon, C.A.**; Lewis, J.E.; *Ranhorn, K.; Kwekason, A.; Eckhardt, C.; Laird, M.; Marean, C.W.; *Nivens, J.; Mabulla, A. Later Stone Age origins at Kiseso II rockshelter (Tanzania). *Proceedings of the National Academy of Sciences USA*
- In review Blegen, N.; Faith, J.T.; *Mant-Melville, A.; Peppe, D.J.; **Tryon, C.A.** The East African Middle Stone Age after 50,000 years ago: New evidence from the eastern Lake Victoria Basin, western Kenya. *Paleoanthropology*.
- In review Frahm, E.; *Goldstein, S.T.; **Tryon, C.A.** Forager-fisher and pastoralist interactions along the Lake Victoria shores, Kenya: Perspectives from portable XRF of obsidian artifacts from Kansyore rock shelters. *Journal of Archaeological Science Reports*.
- In review Peppe, D.; Zaarur, S.; **Tryon, C.A.**; Jacobs, Z.; Faith, J.T.; Affek, H. Late Pleistocene expansion of Lake Victoria (East Africa): Implications for regional climate and the evolution of cichlid fish. *Geology*.

PEER-REVIEWED JOURNAL ARTICLES CONTINUED

- In review *Beverly, E.J.; White, J.D.; Peppe, D.J.; Faith, J.T.; *Blegen, N.; **Tryon, C.A.** Lake Victoria megadrought and equatorial grassland expansion during the Late Pleistocene. *Geology*.
- In revision Lowe, D.J.; Pearce, N.J.G.; Kuehn, S.C.; **Tryon, C.A.**; Hayward, C. Analysing and correlating tephras: Recent advances. *Quaternary Science Reviews*.
- 2016 **Tryon, C.A.**; Faith, J.T. A demographic perspective on the East African Middle-to-Later Stone Age transition from Nasera rockshelter, Tanzania. *Philosophical Transactions of the Royal Society B* **371**: 20150238.
- 2016 **Tryon, C.A.**; Faith, J.T.; Peppe, D.J.; *Beverly, E.J.; *Blegen, N.; *Blumenthal, S.; *Chritz, K.; Driese, S.; *Patterson, D.; Sharp, W. The Pleistocene prehistory of the Lake Victoria basin. *Quaternary International* 404 (part B): 100-114.
- 2016 Faith, J.T.; *Patterson, D.; *Blegen, N.; *O'Neill, C.J.; Marean, C.W.; Peppe, D.J.; **Tryon, C.A.** Size variation in *Tachyoryctes splendens* (Mammalia, Spalacidae) and its implications for late Quaternary temperature change in equatorial East Africa. *Quaternary Science Reviews* 140: 39-48.
- 2016 *O'Brien, H., Faith, *J.T., Jenkins, K., Peppe, D.J., Plummer, T., Jacobs, Z., Li, B., Johannes-Boyau, R., Price, G., Feng, X., **Tryon, C.A.** Unexpected convergent evolution of nasal domes between Pleistocene bovids and Cretaceous hadrosaur dinosaurs. *Current Biology* 26: 503-508.
- 2015 **Tryon, C.A.** The Aurignacian viewed from Africa, in White R., Bourrillon R. (eds.) with the collaboration of Bon F., *Aurignacian Genius: Art, Technology and Society of the First Modern Humans in Europe*, Proceedings of the International Symposium, April 08-10 2013, New York University, *P@lethnology*, 7, 19-33.
- 2015 *Beverly, E.J.; Driese, S.G.; Peppe, *Arellano, L.N.; *Blegen, N.; Faith, J.T.; **Tryon, C.A.** Reconstruction of a semi-arid late Pleistocene paleocatena from the Lake Victoria region, Kenya. *Quaternary Research* 84: 368-381.
- 2015 **Tryon, C.A.**; Crevecoeur, I.; Faith, J.T.; Ekshtain, R.; *Nivens, J.; *Patterson, D.B.; Mbuu, E.; Spoor, F. Late Pleistocene age and archaeological context for the hominin calvaria from GvJm-22 (Lukenya Hill, Kenya). *Proceedings of the National Academy of Sciences USA* 112: 2682-2687.
- 2015 *Beverly, E.J.; Driese, S.G.; Peppe, D.; Johnson, C.R.; Michel, L.A.; Faith, J.T.; **Tryon, C.A.**; Sharp, W. Recurrent spring-fed rivers in a Middle to Late Pleistocene semi-arid grassland: Implications for environments of early humans in the Lake Victoria basin, Kenya. *Sedimentology* 62: 1611-1635.
- 2015 *Blegen, N.; **Tryon, C.A.**; Faith, J.T.; Peppe, D.J.; *Beverly, E.J.; Li, B.; Jacobs, Z. Distal tephras of the eastern Lake Victoria basin, Equatorial East Africa: Correlations, chronology and a context for early modern humans. *Quaternary Science Reviews* 122: 89-111.
- 2015 Faith, J.T.; **Tryon, C.A.**; Peppe, D.J.; *Beverly, E.J.; *Blegen, N.; *Blumenthal, S.; *Chritz, K.L.; Driese, S.G.; *Patterson, D. The Middle Stone Age archaeological and paleoenvironmental record from Karungu, Lake Victoria basin, Kenya. *Journal of Human Evolution* 83: 28-45.
- 2015 *Garrett, N.J.; Fox, D.L.; McNulty, K.P.; **Tryon, C.A.**; Faith, J.T.; Peppe, D.J.; *Van Plantinga, A. Stable isotope paleoecology of Late Pleistocene Middle Stone Age humans from the Lake Victoria basin, equatorial Africa. *Journal of Human Evolution* 82: 1-14.

PEER-REVIEWED JOURNAL ARTICLES CONTINUED

- 2014 **Tryon, C.A.;** Faith, J.T.; Peppe, D.J.; Keegan, W.F.; Keegan, K.; *Nightingale, S.; *Jenkins, K.; *Van Plantinga, A.; Driese, S.; Roure Johnson, C.; Beverly, E.J. Sites on the landscape: Paleoenvironmental reconstruction of late Pleistocene archaeological sites from the Lake Victoria Basin, Equatorial Africa. *Quaternary International* 331:20-30.
- 2014 Faith, J.T.; **Tryon, C.A.;** Peppe, D.J.; *Beverly, E.J.; *Blegen, N. Biogeographic and evolutionary implications of an extinct late Pleistocene impala from the Lake Victoria Basin, Kenya. *Journal of Mammalian Evolution* 21:213-222.
- 2013 **Tryon, C.A.** and Faith, J.T. Variability in the Middle Stone Age of Eastern Africa. *Current Anthropology* 54: S234-S254.
- 2013 Faith, J.T.; **Tryon, C.A.;** Peppe, D.J.; Fox, D.L. The fossil history of Grevy's zebra (*Equus grevyi*) in Equatorial East Africa. *Journal of Biogeography* 40: 359-369.
- 2013 **Tryon, C.A.;** Bailey, S. Testing models of modern human origins with archaeology and anatomy. *Nature Education Knowledge* 4(3):4.
- 2012 *Blome, M.W.; Cohen, A.S.; **Tryon, C.A.;** Brooks, A.S.; Russell, J. The environmental context for the origins of modern human diversity: A synthesis of regional variability in African climate 150,000-30,000 years ago. *Journal of Human Evolution* 62: 563-592.
- 2012 **Tryon, C.A.;** Peppe, D.J.; Faith, J.T.; *Van Plantinga, A.; *Nightingale, S.; Ogondo, J.A.; Fox, D.L. Middle Stone Age artifacts and associated fauna from Rusinga and Mfangano islands, Lake Victoria, Kenya. *Azania: Archaeological Research in Africa* 47: 14-38.
- 2011 **Tryon, C.A.** & Potts, R. Approaches for Understanding Flake Production in the African Acheulean. In (G. Tostevin, Ed.) Special Issue: Reduction Sequence, Chaîne Opératoire, and Other Methods: The Epistemologies of Different Approaches to Lithic Analysis. *PaleoAnthropology* 2011: 376-389.
- 2011 **Tryon, C.A.;** Kuhn, S.L.; Slimak, L.; Logan, M.A.V. Scale in tephrostratigraphic correlation: An example from Turkish Pleistocene archaeological sites. *Quaternary International* 246: 124-133.
- 2011 Faith, J.T.; Choiniere, J.N.; **Tryon, C.A.;** Peppe, D.J.; Fox, D.L. Taxonomic status and paleoecology of *Rusingoryx atopocranium* (Mammalia, Artiodactyla), an extinct Pleistocene bovid from Rusinga Island, Kenya. *Quaternary Research* 75: 697-707.
- 2010 **Tryon, C.A.;** Faith, J.T.; Peppe, D.J.; Fox, D.L.; *Holt, K.; Dunsworth, H.; Harcourt-Smith, W. The Pleistocene Archaeology and Environments of the Wasiriya Beds, Rusinga Island, Kenya. *Journal of Human Evolution* 59: 657-671.
- 2010 **Tryon, C.A.;** Pobiner, B.; *Kauffman, R. Archaeology and human evolution. *Evolution: Education and Outreach* 3: 377-386.
- 2010 **Tryon, C.A.** Alternative explanations for early hominin non-utilitarian behavior at Wonderwerk Cave, South Africa. *Journal of Taphonomy* 8: 235-242.
- 2009 **Tryon, C.A.;** Logan, M.A.V.; Muralis, D.; Kuhn, S.L.; Slimak, L.; Balkan-Atli, N. Building a tephrostratigraphic framework for the Paleolithic of Central Anatolia, Turkey. *Journal of Archaeological Science* 36: 637-652.
- 2008 **Tryon, C.A.;** *Roach, N.T.; Logan, M.A.V. The Middle Stone Age of the northern Kenyan Rift: Age and context of new archaeological sites from the Kapedo Tuffs. *Journal of Human Evolution* 55: 652-664.
- 2006 **Tryon, C.A.** 'Early' Middle Stone Age lithic technology of the Kapthurin Formation (Kenya). *Current Anthropology* 47: 367-375.
- 2006 **Tryon, C.A.** & McBrearty, S. Tephrostratigraphy of the Bedded Tuff Member (Kapthurin Formation, Kenya) and the nature of archaeological change in the later Middle Pleistocene. *Quaternary Research* 65:492-507.

PEER-REVIEWED JOURNAL ARTICLES CONTINUED

- 2006 **Tryon, C.A.** Investigating the destructive potential of earthworms for the archaeobotanical record. *Journal of Field Archaeology* 31:199-202.
- 2005 **Tryon, C.A.**, McBrearty, S. & Texier, P.-J. Levallois lithic technology from the Kapthurin Formation, Kenya: Acheulian origin and Middle Stone Age diversity. *African Archaeological Review* 22:199-229.
- 2005 **Tryon, C.A.** Le concept Levallois en Afrique. *Annales Fyssen* 20:132-145.
- 2002 **Tryon, C.A.** & McBrearty, S. Tephrostratigraphy and the Acheulian to Middle Stone Age transition in the Kapthurin Formation, Kenya. *Journal of Human Evolution* 42:211-235.

CHAPTERS IN EDITED VOLUMES

- 2016 Faith, J.T., **Tryon, C.A.**, Peppe, D.J. Environmental change, ungulate biogeography, and their implications for early human dispersals in equatorial East Africa. In (S.C Jones and B.A. Stewart, eds.), *Africa from MIS 6-2: Population Dynamics and Paleoenvironments*. New York: Springer, pp. 233-246.
- 2013 **Tryon, C.A.** Studying African Stone Tools. In (P. Lane and P. Mitchell, eds.) *Handbook of African Archaeology*. Oxford: Oxford University Press, pp. 103-116.
- 2012 **Tryon, C.A.** Geology, stone technology, and early populations of humans in Africa. In (N. Sanz, ed.) *Human Origins Sites and the World Heritage Convention in Africa*. Paris: UNESCO, World Heritage Series 33, pp. 192-206.
- 2011 Watson, J., **Tryon, C.**, Vicéns, M. Faster and more accurate processing of samples for microtephrochronology. In (I. Turbanti-Memmi, Ed.) *Proceedings of the 37th International Symposium on Archaeometry, 12th – 16th May 2008, Siena, Italy*. Berlin: Springer-Verlag, pp.509-516.
- 2010 **Tryon, C.A.** How the geological record affects our reconstructions of Middle Stone Age settlement patterns: The case of alluvial fans in Baringo, Kenya. In (N. Conard & A. Delagnes, eds.) *Settlement Dynamics of the Middle Paleolithic & Middle Stone Age, Volume III*. Tübingen: Kerns Verlag, pp. 39-66.
- 2006 McBrearty, S. & **Tryon, C.A.** From Acheulian to Middle Stone Age in the Kapthurin Formation, Kenya. In (E. Hovers & S. Kuhn, eds) *Transitions before the Transition*. New York: Springer, pp. 257-277.
- 2003 Thorson, R.M. & **Tryon, C.A.** Bluff-top sand sheets in northeastern archaeology: A physical transport model and application to the Neville Site, Amoskeag Falls, New Hampshire. In (D.L. Cremeens & J. Hart, eds) *Geoarchaeology of Landscapes in the Glaciated Northeast*. Albany: NY State Museum Bulletin 497, pp.61-73.

BOOK REVIEWS

- In press **Tryon, C.A.** Review of *Khor Abu Anga and Magendholi, Stone Age Sites on the Sudanese Nile* by Roy L. Carlson. *Azania: Archaeological Research in Africa*.
- 2008 **Tryon, C.A.** & Brooks, A.S. The latest on the first Africans. A review of *The First Africans* by L. Barham. *Before Farming* 2008/4.3.
- 2008 **Tryon, C.A.** Reinvestigating early human behavior at Olduvai Gorge. A review of “Deconstructing Olduvai: A Taphonomic Study of the Bed I Sites,” by Dominguez-Rodrigo et al. *Journal of Mammalian Evolution* 15: 303-305.
- 2005 **Tryon, C.A.** Review of *A Record in Stone: The Study of Australia's Flaked Stone Artifacts*, by S. Holdaway & N. Stern. *Journal of African Archaeology* 3(1):163-164.

OTHER PUBLICATIONS

- 2012 **Tryon, C.A.** Acheulean. In McGraw-Hill Yearbook of Science and Technology. New York: McGraw Hill.
- 2011 **Tryon, C.A.** Comment on Shea, J. J. *Homo sapiens* is as *Homo sapiens* was: Behavioral variability vs. "behavioral modernity" in Paleolithic archaeology. *Current Anthropology* 52: 22-23.
- 2011 Wood, B. *Blackwell's Encyclopedia of Human Evolution*. Malden, MA: Blackwell Publishing. Associate editor and author for the following 123 entries: Olorgesailie, backed bladelet, biface, bone tool, chopper, digging stick, foliate point, point, spear, Iberomaurusian, Magosian, bifacially worked, bipolar percussion, quarry, unifacially worked, armature, hearth, lithic assemblage, winnowing, Chesowanja, Acheulian, handaxe, Movius Line, tool, Fauresmith, Pinnacle Point, Kapthurin Formation, Blombos Cave, Kapedo Tuffs, Matupi Cave, Enkapune ya Muto, Katanda, Aduma, Grotte des Pigeons, Apollo 11 Cave, Mumba Shelter, Wonderwerk Cave, Porc-Epic Cave, Klasies River, Kalambo Falls, Mumbwa Caves, Twin Rivers, Isimila, Gadeb, Gademotta, Kulkuletti, Melka Kunturé, Mugharet el 'Aliya, Rhafas Cave, Border Cave, Kabwe, Sidi Abderrahman, Thomas Quarry, Cave of Hearths, Elandsfontein, Early Stone Age, Middle Stone Age, Later Stone Age, Levallois, microlith, blade, core, striking platform, flake, knapping, bladelet, scraper, ground stone tool, retouch, platform, faceted platform, prepared core, backed, composite tool, quartz, obsidian, trachyte, chalcedony, chert, jasper, quartzite, rhyolite, flint, artifact, bifacial, unifacial, flake blade, hematite, specularite, pyroclastic, tephra, tuffaceous, feature, lithic, resharpening spall, refit, cleaver, lanceolate, obsidian hydration dating, tang, conchoidal fracture, Sangoan, assemblage, bipolar, industry, industrial complex, Aterian, Charentian, electron probe microanalysis, Isenya, mode, mode 1, mode 2, mode 3, mode 4, mode 5, percussion, debitage, palimpsest, hammer, manuport, eolith, Lupemban.
- 2002 **Tryon, C.A.** Middle Pleistocene sites from the "southern" Kapthurin Formation of Kenya. *Nyame Akuma* 57:6-13.
- 1999 **Tryon, C.A.** Lithic analysis. In (W.F. & K. Keegan, eds.) *Connecticut Archaeology*. Storrs, CT: Bibliophila Press, pp. 34-36.
- 1997 **Tryon, C.A.** & Philpotts, A.R. Possible sources of mylonite and hornfels debitage from the Cooper Site, Lyme, Connecticut. *Bulletin of the Archaeological Society of Connecticut* 60:3-12.

THESES

- 2003 **Tryon, C.A.** *The Acheulian to Middle Stone Age Transition: Tephrostratigraphic Context for Archaeological Change in the Kapthurin Formation, Kenya*. Ph.D. thesis, University of Connecticut, Storrs.
- 1996 **Tryon, C.A.** *Archaeological and geological investigations of the Cooper Site*. Unpublished B.A. (Honors) thesis, University of Connecticut, Storrs.

ABSTRACTS

- In press Blegen, N.; Brown, F.H.; Jicha, B.R.; Binetti, K.M.; Faith, J.T.; Ferraro, J.V.; Gathogo, P.; Richardson, J.L.; **Tryon, C.A.** The Menengai Tuff: A 36 ka widespread tephra and its chronological relevance to Late Pleistocene human evolution in Africa. *Geological Society of America Program with Abstracts*.
- In review Blumenthal, S.A.; Bishop, L.; Plummer, T.W.; Cerling, T.E.; Ditchfield, P.; Faith, J.T.; Potts, R.; **Tryon, C.A.** Human evolution and the expansion of grazer-dominated biomes in eastern Africa over the last 5 million years. *Abstracts of the European Society for the Study of Human Evolution Annual Meetings*.

ABSTRACTS CONTINUED

- In press Blegen, N.; Brown, F.H.; Binetti, K.M.; Faith, J.T.; Ferraro, J.V.; Richardson, J.L.; **Tryon, C.A.** Correlation of widespread Late Pleistocene volcanic ash layers from six basins across Kenya and their relevance to Middle Stone Age chronology. *Paleoanthropology*
- In review Niespolo, E.M.; Sharp, W.D.; **Tryon, C.A.**; Faith, J.T.; Dawson, T.E. Using C and N stable isotopes in ostrich eggshells to develop paleoenvironmental records for Late Pleistocene East African rock shelter sequences. *Abstracts of the Annual Meeting of the Society for American Archaeology*.
- 2016 O'Brien, H.D., Faith, J.T., Jenkins, K.E., Peppe, D.J., **Tryon, C.A.** How to grow a trumpet: Ontogeny elucidates hollow nasal crest evolution in dinosaurs and mammals. *Integrative and Comparative Biology* 56 (Supplement): e163.
- 2016 Sharp, W.; Flystra, N.D.; **Tryon, C.A.**; Faith, J.T.; Peppe, D.J. U-Th burial dating of ostrich eggshell: A new geochronometer for African archaeological sites. *Quaternary International* 404 (part B): 198-199.
- 2016 Beverly, E.J.; Snell, K.; Peppe, D.J.; Driese, S.G.; Faith, J.T.; Tryon, C.A. Reconstruction of Late Pleistocene paleoenvironments using stable and clumped isotopes from the Lake Victoria region. *American Journal of Physical Anthropology* 159 (S62): 94.
- 2015 *Niespolo, E.; Sharp, W.; **Tryon, C.A.**; Faith, J.T.; *Miller, M.; Dawson, T. C and N isotopes in ostrich eggshell as proxies of paleovegetation and paleoprecipitation: Extraction, preservation, and application to Pleistocene archaeological samples. *Annual Meeting of the American Geophysical Union Program*: PP13A-2269.
- 2015 Sharp, W.; Flystra, N.; **Tryon, C.A.**; Faith, J.T.; Peppe, D.J. U-Th burial dates on ostrich eggshell. *Annual Meeting of the American Geophysical Union Program*: PP11A-2195.
- 2015 *Beverly, E.J.; White, J.D.; Peppe, D.J.; Faith, J.T.; *Blegen, N.; **Tryon, C.A.** Lake Victoria megadrought and equatorial grassland expansion during the Late Pleistocene. *Geological Society of America Program with Abstracts*: 101-14.
- 2015 Faith, J.T.; *Patterson, D.; *Blegen, N.; *O'Neill, C.J.; Marean, C.W.; Peppe, D.J.; **Tryon, C.A.** Size variation of East African mole-rat (*Tachyoryctes splendens*) and its implications for late Quaternary temperature change in equatorial East Africa. *Geological Society of America Program with Abstracts*: 101-9.
- 2015 **Tryon, C.A.**; Lewis, J.E.; Laird, M.; Mabulla, A.; Kwekason, A.; Gidna, A.; Ehrhardt, C.L.; Marean, C.W. Renewed investigation of the Late Pleistocene-Holocene archaeological and paleoenvironmental sequence from Kisese II rockshelter, Tanzania. *Paleoanthropology* 2015: A34.
- 2015 Sharp, W.D., Flystra, N.D., **Tryon, C.A.**, Faith, J.T. (2015) U-Th burial dating of ostrich eggshell: a new geochronometer for African archaeological sites. Paper: The African Quaternary (AFQUA): Environments, Ecology, and Humans. *AFQUA 2015 Session Abstracts*
- 2015 **Tryon, C.A.**; Faith, J.T.; Peppe, D.J.; Fox, D.; *Blegen, N.; *Beverly, E.; Driese, S.; Jacobs, Z.; Bo, L.; Price, G.; Joannes-Boyau, R.; Sharp, W.; Zaarur, S.; Affek, H.; *Blumenthal, S.; *Chritz, K.; *Garrett, N.; *Jenkins, K.; Roure Johnson, C.; Keegan, W.; *Patterson, D.P.; *O'Brien, H. The Pleistocene prehistory of the Lake Victoria basin, Equatorial Africa. *AFQUA 2015 Session Abstracts*.
- 2015 *Blumenthal, S.A.; Plummer, T.W.; Cerling, T.E.; Ditchfield, P.W.; Bishop, L.C.; Faith, J.T.; **Tryon, C.A.**; Peppe, D.J.; *Beverly, E.J.; Potts, R. Late Pliocene to Late Pleistocene paleoenvironments in southwestern Kenya from carbon isotopes in herbivore tooth enamel. *American Journal of Physical Anthropology* 156 (S60): 88.

ABSTRACTS CONTINUED

- 2014 Sharp, W.D.; Flystra, N.D.; Faith, J.T.; Peppe, D.J.; **Tryon, C.A.** U-series dating of ostrich eggshells. *Goldschmidt Conference of the Geochemical Society Abstracts*: 2265.
- 2014 **Tryon, C.A.**; Faith, J.T.; Peppe, D.J. Human dispersals along the African Rift Valley in the Late Quaternary. *Annual Meeting of the American Geophysical Union Program*: PP31G-03
- 2014 *Arellano, L.; *Beverly, E.J.; Peppe, D.J.; Driese, S.G.; Faith, J.T.; **Tryon, C.A.** Using paleosols to reconstruct the paleoclimate of Late Pleistocene archaeological sites in the Lake Victoria Basin, Kenya. *Geological Society of America Program with Abstracts*: 321-1.
- 2014 *Beverly, E.J.; Driese, S.G.; Peppe, D.J.; Faith, J.T.; **Tryon, C.A.**; Johnson, C.R.; Michel, L.A.; Sharp, W.D. Pleistocene hominin paleoenvironmental reconstructions: Sedimentology, micromorphology, and stable isotopes of riverine tufas from the Rusinga and Karungu regions of western Kenya. *Geological Society of America Program with Abstracts*: 292-12.
- 2014 Faith, J.T.; *O'Brien, H.; **Tryon, C.A.**; *Jenkins, K.; Peppe, D. Extreme nasal doming in new material of the Pleistocene alcelaphine *Rusingoryx atopocranium* (Artiodactyla: Bovidae) from Rusinga Island, Kenya: Re-description and functional analysis. *Society of Vertebrate Paleontology Program with Abstracts*: 127.
- 2014 Faith, J.T., *O'Brien, H., *Jenkins, K., Peppe, D.J., Tryon, C.A. (2014) *Rusingoryx atopocranium* (Artiodactyla, Bovidae) and the non-analogue ecosystems of modern human origins in East Africa. *Paleontological Society of Southern Africa, Johannesburg, South Africa: Program with Abstracts*.
- 2014 **Tryon, C.A.**; *Blegen, N. Levallois origins and variability in Africa. *Programs and Abstracts of the Annual Meeting of the Society for American Archaeology*: 26.
- 2014 Faith, J.T.; **Tryon, C.A.**; Peppe, D.J.; *Beverly, E.; *Blegen, N.; *Blumenthal, S.; *Chritz, K.L.; *Patterson, D.; Driese, S. Late Pleistocene archaeology and paleoenvironments of Karungu in the Lake Victoria Basin, Kenya. *Paleoanthropology 2014*:A8.
- 2014 *Blegen, N.; **Tryon, C.A.**; Faith, J.T.; Peppe, D.J.; *Beverly, E. Tephrostratigraphy and Middle Stone Age archaeology of the eastern Lake Victoria basin, Kenya: A refined stratigraphic context for Late Pleistocene human evolution in East Africa. *Paleoanthropology 2014*:A3.
- 2014 **Tryon, C.A.**; Faith, J.T.; Crevecoeur, I.; Sharp, W.; *Ekshtain, R.; *Nivens, J.; *Patterson, D. Revised age and context of the Middle and Later Stone Age strata and associated hominin from GvJm-22, Lukenya Hill, Kenya. *Paleoanthropology 2014*:A26.
- 2013 Faith, J.T.; Peppe, D.J.; **Tryon, C.A.**; *Beverly, E.J.; *Blegen, N.; Driese, S.G.; *Garrett, N.; *O'Brien, H.; *Patterson, D.B.; *Van Plantinga, A. Late Quaternary paleoenvironments in the Lake Victoria basin, Kenya: Climatic and biogeographic implications. *Geological Society of America Program with Abstracts 45(7)*: 239.
- 2013 *Beverly, E.; Peppe, D., Faith, J.T.; **Tryon, C.A.**, *Blegen, N.; Driese. Paleosol-based evidence for a Late Pleistocene paleoenvironmental reconstruction of the Lake Victoria region. *Geological Society of America Program with Abstracts 45(7)*: 239.
- 2013 *Zaarur, S.; Affek, H.P.; **Tryon, C.A.**; Peppe, D.J.; Faith, J.T. Causes of Late Pleistocene water level change in Lake Victoria, Equatorial Africa, derived from clumped isotopes of land snails and fresh water mollusks. *Annual Meeting of the American Geophysical Union Program PP21D-03*.

ABSTRACTS CONTINUED

- 2013 *Garrett, N.; Fox, D.L., **Tryon, C.A.**; Faith, J.T.; Peppe, D.J. Stable isotopic paleoenvironmental reconstruction of the late Pleistocene sites on Rusinga and Mfangano Islands, Lake Victoria, Kenya. Annual Meeting of the Society of Vertebrate Paleontology, Program and Abstracts 2013: 132.
- 2013 **Tryon, C.A.**; Faith, J.T.; Peppe, D.J.; *Blegen, N.; *Beverly, E.; *Patterson, D.; Jacobs, Z.; Joannes-Boyau, R.; Fox, D.L.; *Nightingale, S.; *Laird, M.; *Jenkins, K.; Roure Johnson, C.; *Garrett, N. Pleistocene archaeology and paleoenvironments of the Lake Victoria basin in Kenya. *Paleoanthropology* 2013: A37-A38.
- 2012 *Beverly, E.; Faith, J.T.; Peppe, D.J.; **Tryon, C.A.**; Driese, S.G.; *Blegen, N.; *Patterson, D.; *Horner, W.H. Paleoenvironmental context of Pleistocene archaeological and paleontological sites in Kenya's Lake Victoria basin. *Geological Society of America Abstracts with Programs* 44(7): 415.
- 2012 *Jenkins, K.; Faith, J.T.; **Tryon, C.**; Peppe, D.; *Nightingale, S.; Ogondo, J. Roure Johnson, C.; Driese, S. New excavations of a Late Pleistocene bonebed and associated MSA artifacts from Rusinga Island, Kenya. *Paleoanthropology* 2012: A17.
- 2011 Peppe, D.; Faith, J.T.; **Tryon, C.A.**; Fox, D.L.; Garrett, N.; *Van Plantinga, A.; Keegan, W.; *Nightingale, S.; Ogondo, J.; *Zaarur, S. Terrestrial evidence for late Quaternary lake level changes from the Lake Victoria basin, Equatorial Africa. *Geological Society of America Abstracts with Programs* 43(5): 335.
- 2011 **Tryon, C.A.**; Faith, J.T.; Peppe, D.J.; *Van Plantinga, A.; Fox, D.L.; *Garrett, N.D.; Keegan, W.F.; Ogondo, J.A. Middle Stone Age hominin occupation of arid environments in the Lake Victoria basin: New evidence from Rusinga and Mfangano islands, Kenya. *PaleoAnthropology* 2011:A39.
- 2011 Potts, R.; Tocheri, M.W.; **Tryon, C.A.**; Kovarovic, K.; Campisano, C.J.; Walton, N.; Halvorsen, B.; Bjørkevold, L.; Hodnefjell, A.; The Smithsonian Institution's Human Origins Program Database: development, accessibility, and goals for research and education. *American Journal of Physical Anthropology* 52 :242-243.
- 2010 *Van Plantinga, A.; Peppe, D.; **Tryon, C.A.**; *Faith, J.T. Geoarchaeology of the Pleistocene Wasiriya Beds, Rusinga Island, Kenya. Geological Society of America 2010 Annual Meeting Abstracts with Programs 42 (5).
- 2010 **Tryon, C.A.**, *Faith, J.T.; Peppe, D. Late Quaternary mammals from Rusinga island, Kenya: Implications for environmental change and megafaunal extinctions. Program and Abstracts of the Annual Meetings of the Society of Vertebrate Paleontology: 177A.
- 2010 *Garrett, N.; McNulty, K.; Fox, D.; Peppe, D.; **Tryon, C.A.** Isotope paleoecology of the Pleistocene Wasiriya Beds of Rusinga Island, Kenya. Program and Abstracts of the Annual Meetings of the Society of Vertebrate Paleontology: 94A.
- 2010 **Tryon, C.A.**; *Faith, J.T.; Peppe, D.; Fox, D.; McNulty, *K.I Jenkins, K.; *Garrett, N.; Dunsworth, H.; Harcourt-Smith, W. Paleoenvironmental Context for Middle Stone Age Hominins in Equatorial Africa: The Pleistocene Wasiriya Beds of Rusinga Island (Kenya). *Paleoanthropology Society Meetings, St. Louis, MO. PaleoAnthropology* 2010: A34
- 2009 **Tryon, C.A.**; Faith, J.T.; Peppe, D.J.; Fox, D.L.; McNulty, K.P.; Dunsworth, H.; Harcourt-Smith, W.; Manthi, F.K. Paleoenvironmental context for modern human origins in Equatorial Africa: Introducing the Pleistocene Wasiriya Beds of Rusinga Island (Kenya). Geological Society of America 2009 Annual Meeting Abstracts with Programs 41: 362.
- 2009 **Tryon, C.A.**; Behrensmeier, A.K.; Logan, M.A.V.; Faith, J.T.; Keegan, W.F. & Potts, R. Ad hoc strategies of tool use by Middle Pleistocene hominins in Member 11', Olorgesailie Formatin, Kenya. *Paleoanthropology* A36.

ABSTRACTS CONTINUED

- 2008 *Blome, M.W; Cohen, A.; **Tryon, C.**; Stone, J.R.; Russell, J.; Cox, M. & Brooks, A. A synthesis of African Paleoclimate 150-35 ka and possible implications for Middle Stone Age archaeology. Geological Society of America 2008 Annual Meeting Abstracts with Programs 40: 194-9.
- 2008 **Tryon, C.**, Logan, A., Mouralis, D., Kuhn, S. & Slimak, L. Building a tephrochronological framework for the central Anatolian Paleolithic. *Paleoanthropology* A34.
- 2007 Cohen, A.S.; Scholz, C.A.; Beuning, K.R.M.; Stone, J.; Johnson, T.C.; **Tryon, C.A.**; Brooks, A.S.; King, J.; Brown, E.T.; Ivory, S. Early Late-Pleistocene megadroughts in Africa and their ecological consequences for *Homo sapiens*. Geological Society of America 2007 Annual Meetings Abstracts with Programs 39: 344.
- 2007 **Tryon, C.A.**, *Roach, N. & Logan, A. The archaeological potential of the northern Kenya Rift Valley: New Middle Stone Age sites from the Kapedo Beds. *Paleoanthropology* A33.
- 2006 **Tryon, C.A.** & Potts, R. Approaches for understanding flake production in the African Acheulian. Society for American Archaeology Annual Meeting Program and Abstracts.
- 2006 *Haradon, C.M. & **Tryon, C.A.** Ecological context for the Acheulian to Middle Stone Age transition. Society for American Archaeology Annual Meeting Program and Abstracts.
- 2006 Brooks, A.S., Yellen, J. & **Tryon, C.A.** Landscape and subsistence strategies in the later Middle Stone Age of eastern and eastern/central Africa. Society for American Archaeology Annual Meeting Program and Abstracts.
- 2005 **Tryon, C.A.**, McBrearty, S., & Texier, P.-J. Levallois lithic technology from the Kapthurin Formation, Kenya: Acheulian origin and Middle Stone Age diversity. *Paleoanthropology*:A60.
- 2002 **Tryon, C.A.** & McBrearty, S. New Middle Stone Age sites from the southern Kapthurin Formation, Baringo, Kenya. *Nyame Akuma* 57:75.
- 2001 McBrearty, S. Deino, A. & **Tryon, C.A.** Chronology of Middle Pleistocene events in the Kapthurin Formation, Baringo, Kenya. *Journal of Human Evolution*: A14..
- 2000 McBrearty, S. & **Tryon, C.A.** Resolving the Acheulian to Middle Stone Age transition through tephrostratigraphy in the Kapthurin Formation, Kenya. *Nyame Akuma* 54:52.

PRESENTATIONS AT PROFESSIONAL MEETINGS

- 2016 **Tryon, C.A.** Discussant for *Parting the Red Sea: Late Pleistocene Lithic Variability and Dispersals in the Horn of Africa and Arabia*, 81st Annual Meetings of the Society for American Archaeology, April, Orlando, FL.
- 2015 **Tryon, C.A.**; Lewis, J.E.; Laird, M.; Mabulla, A.; Kwekason, A.; Gidna, A.; Ehrhardt, C.L.; Marean, C.W. Renewed investigation of the Late Pleistocene-Holocene archaeological and paleoenvironmental sequence from Kisese II rockshelter, Tanzania. Annual Meeting of the Paleoanthropology Society, April, San Francisco.
- 2015 **Tryon, C.A.**; Faith, J.T.; Peppe, D.J.; Fox, D.; *Blegen, N.; *Beverly, E.; Driese, S.; Jacobs, Z.; Bo, L.; Price, G.; Joannes-Boyau, R.; Sharp, W.; Zaarur, S.; Affek, H.; *Blumenthal, S.; *Chritz, K.; *Garrett, N.; *Jenkins, K.; Roure Johnson, C.; Keegan, W.; *Patterson, D.P.; *O'Brien, H. The Pleistocene prehistory of the Lake Victoria basin, Equatorial Africa. *AFQUA 2015 Annual Meeting, Jan.-Feb., Cape Town, South Africa*.

PRESENTATIONS AT PROFESSIONAL MEETINGS CONTINUED

- 2014 **Tryon, C.A.;** Faith, J.T.; Peppe, D.J. Human dispersals along the African Rift Valley in the Late Quaternary. *Annual Meeting of the American Geophysical Union Program*, Dec., San Francisco.
- 2014 **Tryon, C.A.;** *Blegen, N. Levallois origins and variability in Africa. *Annual Meeting of the Society for American Archaeology*, April, Austin.
- 2014 **Tryon, C.A.;** Faith, J.T.; Crevecoeur, I.; Sharp, W.; *Ekshtain, R.; *Nivens, J.; *Patterson, D. Revised age and context of the Middle and Later Stone Age strata and associated hominin from GvJm-22, Lukenya Hill, Kenya. *Annual Meetings of the Paleoanthropology Society*, April, Calgary.
- 2013 **Tryon, C.A.** Tracing the dispersal of early *Homo sapiens* across Africa: Evidence from the Lake Victoria basin. Poster presented at the *Science of the Human Past Conference*, Harvard University.
- 2013 **Tryon, C.A.;** Faith, J.T.; Peppe, D.J.; *Blegen, N.; *Beverly, E.; *Patterson, D.; Jacobs, Z.; Joannes-Boyau, R.; Fox, D.L.; *Nightingale, S.; *Laird, M.; *Jenkins, K.; Roure Johnson, C.; *Garrett, N. Pleistocene archaeology and paleoenvironments of the Lake Victoria basin in Kenya. *Annual Meetings of the Paleoanthropology Society*, Honolulu, HI.
- 2011 **Tryon, C.A.;** Faith, J.T.; Peppe, D.J.; *Van Plantinga, A.; Fox, D.L.; *Garrett, N.D.; Keegan, W.F.; Ogondo, J.A. Middle Stone Age hominin occupation of arid environments in the Lake Victoria basin: New evidence from Rusinga and Mfangano islands, Kenya. Paper presented at the *Paleoanthropology Society Meetings*, Minneapolis, MN.
- 2010 *Van Plantinga, A.; Peppe, D.; **Tryon, C.A.;** *Faith, J.T. Geoarchaeology of the Pleistocene Wasiriya Beds, Rusinga Island, Kenya. Poster to be presented at the *Annual Meetings of the Geological Society of America*, Denver, CO.
- 2010 Potts, R.; Tocheri, M.W.; **Tryon, C.A.;** Kovarovic, K.; Campisano, C.J.; Walton, N.; Halvorsen, B.; Bjørkevold, L.; Hodnefjell, A.; The Smithsonian Institution's Human Origins Program Database: development, accessibility, and goals for research and education. *Abstracts of the Physical Anthropology Society Meetings*, Minneapolis, MN.
- 2010 *Garrett, N.; McNulty, K.; Fox, D.; Peppe, D.; **Tryon, C.A.** Isotope paleoecology of the Pleistocene Wasiriya Beds of Rusinga Island, Kenya, Poster to be presented at the *Annual Meetings of the Society of Vertebrate Paleontology*, Pittsburgh, PA.
- 2010 **Tryon, C.A.;** *Faith, J.T.; Peppe, D. Late Quaternary mammals from Rusinga island, Kenya: Implications for environmental change and megafaunal extinctions. Paper to be presented at the *Annual Meetings of the Society of Vertebrate Paleontology*, Pittsburgh, PA.
- 2009 **Tryon, C.A.;** *Faith, J.T.; Peppe, D.J.; Fox, D.L.; McNulty, K.P.; Dunsworth, H.; Harcourt-Smith, W.; Manthi, F.K. Paleoenvironmental context for modern human origins in Equatorial Africa: Introducing the Pleistocene Wasiriya Beds of Rusinga Island (Kenya). *Geological Society of America Annual Meeting*, Portland, OR.
- 2009 Keegan, W.F.; **Tryon, C.A.** & Keegan, K.N. Euroamerican Place-Naming and King Phillip's War. *29th Annual Conference on New England Archaeology*, Paxton, MA.
- 2009 **Tryon, C.A.;** Behrensmeier, A.K.; Logan, M.A.V.; *Faith, J.T.; Keegan, W.F. & Potts, R. *Ad hoc* strategies of tool use by Middle Pleistocene hominins in Member 11', Olorgesailie Formatin, Kenya. Paper presented at the *Paleoanthropology Society Meetings*, Chicago, IL.

PRESENTATIONS AT PROFESSIONAL MEETINGS CONTINUED

- 2008 Brooks, A.S.; **Tryon, C.**; Yellen, J. Background to Out of Africa: Human behavioral responses to demographic stress during the MSA. Society of Africanist Archaeologists Meetings, Frankfurt, Germany.
- 2008 *Blome, M.W; Cohen, A.; **Tryon, C.**; Stone, J.R.; Russell, J.; Cox, M. & Brooks, A. A synthesis of African Paleoclimate 150-35 ka and possible implications for Middle Stone Age archaeology. Poster presented at the Annual Meeting of the Geological Society of America, Houston.
- 2008 Watson, J., **Tryon, C.**, Vicéns, M. A new method for faster and more accurate processing of samples for micro-tephrochronology. 37th International Symposium on Archaeometry, Siena, Italy.
- 2008 *Blome, M.; Cohen, A.; **Tryon, C.** A synthesis of African Paleoclimate 150-35 ka. GeoDaze 2008, 36th Annual Geoscience Symposium, University of Arizona, Tucson.
- 2008 **Tryon, C.**, Logan, A., Mouralis, D., Kuhn, S. & Slimak, L. Building a tephrochronological framework for the central Anatolian Paleolithic. Annual Meetings of the Paleoanthropology Society, Vancouver, Canada.
- 2006 Cohen, A.S.; Scholz, C.A.; Beuning, K.R.M.; Stone, J.; Johnson, T.C.; **Tryon, C.A.**; Brooks, A.S.; King, J.; Brown, E.T.; Ivory, S. Early Late-Pleistocene megadroughts in Africa and their ecological consequences for *Homo sapiens*. Annual Meetings of the Geological Society of America, Denver, CO.
- 2007 **Tryon, C.A.**, *Roach, N. & Logan, A. The archaeological potential of the northern Kenya Rift Valley: New Middle Stone Age sites from the Kapedo Beds. Poster presented at the annual meeting of the Paleoanthropology Society, Philadelphia, PA.
- 2006 **Tryon, C.A.** & Potts, R. Approaches for understanding flake production in the African Acheulian. Paper presented at the Annual Meetings of the Society for American Archaeology, San Juan, Puerto Rico.
- 2006 *Haradon, C.M. & **Tryon, C.A.** Ecological context for the Acheulian to Middle Stone Age transition. Paper presented at the Annual Meetings of the Society for American Archaeology, San Juan, Puerto Rico.
- 2006 Brooks, A.S., Yellen, J. & **Tryon, C.A.** Landscape and subsistence strategies in the later Middle Stone Age of eastern and eastern/central Africa. Paper presented at the Annual Meetings of the Society for American Archaeology, San Juan, PR.
- 2005 **Tryon, C.A.**, McBrearty, S., & Texier, P.-J. Levallois lithic technology from the Kapthurin Formation, Kenya: Acheulian origin and Middle Stone Age diversity. Paper presented at the annual meeting of the Paleoanthropology Society, Milwaukee, WI.
- 2003 **Tryon, C.A.** & McBrearty, S. Technological change across the Acheulian-Middle Stone Age transition of the Kapthurin Formation, Kenya. Paper presented at the Paleoanthropology Society Meetings, Tempe, AZ.
- 2002 **Tryon, C.A.** & McBrearty, S. New Middle Stone Age sites from the southern Kapthurin Formation, Baringo, Kenya. Paper presented at the Soc. of Africanist Archaeologists Meetings, Tucson, AZ.
- 2001 McBrearty, S. Deino, A. & **Tryon, C.A.** Chronology of Middle Pleistocene events in the Kapthurin Formation, Baringo, Kenya. Paper presented at the Paleoanthropology Society Meetings, Kansas City, MO.
- 2000 McBrearty, S. & **Tryon, C.A.** Resolving the Acheulian to Middle Stone Age transition through tephrostratigraphy in the Kapthurin Formation, Kenya. Paper presented at the Society of Africanist Archaeologists meetings, Cambridge, England.

PRESENTATIONS AT PROFESSIONAL MEETINGS CONTINUED

- 2000 Thorson, R.M. & **Tryon, C.A.** Sand sheets in forested bluff-top settings; an archaeological model for the northeastern U.S. Presented at: Geoarchaeology of the Northeast symposium, NY Natural History Conference VI, Albany, NY.
- 1996 George, D.R. & **Tryon, C.A.** Lithic raw material procurement and use at the Late Woodland Period Cooper Site, Lyme, Connecticut. Paper presented at the Semi-Annual Meeting of the Archaeological Society of Connecticut and the Massachusetts Archaeological Society; Storrs, CT.
- 1996 **Tryon, C.A.** & Philpotts, A.R. Possible sources of mylonite and hornfels debitage from the Cooper Site, Lyme, Connecticut. Presented at the 36th Annual Meeting of the Northeastern Anthropological Association, Plymouth, NH.

INVITED LECTURES

- 2016 **Tryon, C.A.** Invited discussant for Society for American Archaeology Annual Meetings session "Parting the Red Sea: Late Pleistocene Lithic Variability and Dispersals in the Horn of Africa and Arabia"
- 2015 **Tryon, C.A.;** Faith, J.T. The Middle to Later Stone Age transition. *Major Transitions in Human Evolution*. The Royal Society, London.
- 2014 **Tryon, C.A.;** Faith, J.T.;; Peppe, D.J. Human dispersals along the African Rift Valley in the Late Quaternary. Plenary Session speaker, *Annual Meeting of the American Geophysical Union Program*, Dec., San Francisco.
- 2014 **Tryon, C.A.** "The archaeology and biogeography the rise and fall of Lake Victoria (Equatorial Africa)." Boston University.
- 2014 **Tryon, C.A.** Why don't we talk much about intra-African dispersals in the Late Pleistocene? The African Roots of Human Behavior, Leverhume Center for Human Evolutionary Studies, Cambridge University.
- 2014 **Tryon, C.A.** Volcanoes, climate change, and modern human migrations across Africa. Harvard Museum of Natural History.
- 2013 **Tryon, C.A.** The diversity of early modern humans in East Africa. Harvard Anthropology Day.
- 2013 **Tryon, C.A.** The Aurignacian viewed from Africa. Part of the three day conference *Aurignacian Genius: Art, Technology, and Society of the First Modern Humans in Europe*, April 8-10, New York University.
- 2013 **Tryon, C.A.** Pleistocene archaeology and environments of Equatorial Africa: Understanding the diversity and dispersal of early *Homo sapiens*. Harvard University, Harvard Archaeology Paleolithic Seminar Series.
- 2012 **Tryon, C.A.** The evolution of tropical lakes and the dispersal of modern humans out of Africa. Earth Sciences Department, Rutgers University.
- 2011 **Tryon, C.A.** Modern human origins in tropical Africa: A tale of archaeology, extinctions, and volcanoes. Scholars Lecture Series, October 20, New York University.
- 2010 **Tryon, C.A.** Pleistocene Archaeology and Biogeography of the Lake Victoria Basin, Equatorial Africa: Introducing the Wasiriya Beds of Rusinga Island, Kenya. Department of Anthropology, University of Connecticut.
- 2010 **Tryon, C.A.** Pleistocene Archaeology and Biogeography of Equatorial Africa: Introducing the Wasiriya Beds of Rusinga Island, Kenya. Department of Anthropology, Yale University.
- 2009 **Tryon, C.A.** Environmental change and human evolution within and out of Africa. *Changing Times: Perspectives on Global Human Ecodynamics*, Macaulay College, City University of New York.

INVITED LECTURES CONTINUED

- 2009 **Tryon, C.A.** Scale matters! Global vs. regional perspectives on 'modern' human origins. Paleobiology Seminar Meeting, Stony Brook University.
- 2009 **Tryon, C.A.** What can we learn about modern human origins from Pleistocene Africa and Anatolia? Answers from dried up lakes, volcanic eruptions, old stone tools, and the occasional aardvark. New York University Anthropology Undergraduate Student Association.
- 2008 **Tryon, C.A.** The archaeology of human evolution: New results from the Middle and Late Pleistocene of Kenya and Turkey. New York Consortium in Evolutionary Primatology (NYCEP).
- 2008 **Tryon, C.A.** Ancient rocks and modern humans: Geological and archaeological investigations of hominin behavioral evolution in the Late-Middle Pleistocene. Department of Anthropology, New York University.
- 2008 **Tryon, C.A.** Volcanic ashes as chronological tools at archaeological sites. Program in Archaeological Sciences, University of Arizona, Tucson.
- 2007 **Tryon, C.A.** Archaeological and geological perspectives on the origin and spread of modern humans. Mineral Sciences Department, National Museum of Natural History, Smithsonian Institution.
- 2006 **Tryon, C.A.** Ancient rocks and modern humans: Geological and archaeological studies of Pleistocene hominin behavior in eastern Africa. Department of Anthropology, Stony Brook University.
- 2005 **Tryon, C. A.** What happened at the end of the Acheulian? New evidence using stone tools and volcanic ash from the Rift Valley of Kenya. Paleoanthropology Seminar Series, Human Origins Program, Smithsonian Institution.
- 1999 McBrearty, S. & **Tryon, C.A.** What happened at the end of the Acheulian? The view from East Africa. U. of Connecticut Dept. of Anthropology Colloquium Series.
- 1998 **Tryon, C.A.** Geological answers to archaeological questions: Stone tools and their sources in southern New England. Albert Morgan Archaeological Society; South Windsor, CT.

WORKSHOP PARTICIPATION

- 2016 *Human Evolution in Structured Populations.* University of Oxford, UK.
- 2016 *Parting the Red Sea: Late Pleistocene Lithic Variability and Dispersals in the Horn of Africa and Arabia,* April 3-7, Gainesville, FL.
- 2015 *The Biogeography of Modern Human Origins and Dispersals.* Harvard Radcliffe Institute, November 5-6.
- 2014 *The African Roots of Human Behavior.* Leverhume Center for Human Evolutionary Studies, Cambridge University, May 15-17.
- 2013 *Aurignacian Genius: Art, Technology, and Society of the First Modern Humans in Europe.* NYU, April 8-10.
- 2012 *Opportunities, Problems, and Future Directions in the Research on Middle Paleolithic Open-air Sites,* Tel Hai College, Israel, November 2012.
- 2012 *Alternative pathways to complexity: Evolutionary trajectories in the Middle Paleolithic and Middle Stone Age.* Wenner-Gren symposium, June 1-8, Stockholm, Sweden.
- 2011 *African human origin sites and the UNESCO World Heritage Convention,* National Museum of Ethiopia, 8-11 February 2011.
- 2009 *Darwin's Legacy: Early Human Evolution in Africa.* New York Consortium in Evolutionary Primatology, February 29-March 1, New York, New York.
- 2007 *National Academies of Sciences' Kavli Frontiers of Science Symposium,* November 8-10, Irvine, California.

WORKSHOP PARTICIPATION CONTINUED

- 2005 *Paleoclimates and Human Evolution: A workshop Integrating Drilling Research with Paleoanthropology and Other Geological Records*, November 17-20. Front Royal, VA. Sponsored by: NSF, the Smithsonian Institution, and DOESECC.
- 2005 *The Middle Stone Age of East Africa and Modern Human Origins*, July 16-25. Nairobi, Kenya and Addis Ababa, Ethiopia. Sponsored by: National Museums of Kenya, National Museums of Ethiopia, the Smithsonian Institution, Wenner-Gren, and NSF.
- 2003 *Ecole thématique: Experimentation et analyse technologique de la pierre taillée préhistorique* at CNRS, Valbonne-Sophia Antipolis, France, October 7-16. Directed by P.-J. Texier, P. Bodu, and J. Pelegrin.

PROFESSIONAL CONFERENCE SESSIONS ORGANIZED

- 2015 *The Biogeography of Modern Human Origins and Dispersals*. Harvard Radcliffe Institute, November 5-6.
- 2015 *Human Population Dispersals during the Late Quaternary: Archaeological, Environmental, and Ecological Perspectives*. AfQUA (*The African Quaternary: Environments, Ecology, and Humans*), with J. Tyler Faith.
- 2011 *Paleoclimate, terrestrial ecosystems, and human evolution in Africa from the Pleistocene to the Present*. Annual Meetings of the Geological Society of America (GSA), co-sponsored by Archaeological Geology Division and the Limnogeology Division, co-organized with Daniel Peppe (Baylor U.) and David Fox (U. Minnesota).

FIELD EXPERIENCE

Kenya

Lukenya Hill (2013-present): Direct archaeological and chronometric analyses of the GvJm-22 and GvJm-16 rockshelters.

Karungu (2011-present):

Directed survey for artifacts, fossils, and tephra.

Waware Beds, Mfangano Island (2010-present):

Directed survey for Middle Stone Age artifacts and fossils on this Lake Victoria island.

Wasiriya Beds, Rusinga Island (2009-present):

Directed survey and excavated of fossil- and Middle Stone Age artifact-bearing sediments on the shores of Lake Victoria.

Kapedo Tuffs (2006-2008): Directed survey of Rift Valley sediments near Silali volcano, excavated Middle Stone Age sites and conducted geochemical analysis of volcanic ash deposits.

Ologesailie (2004-present): Analysis of late Acheulian lithic assemblages from Member 11 and director of excavations in Member 14 at Ologesailie Kenya. Project director: Richard Potts.

Kapthurin Formation (1997-present): Excavation, survey and tephrostratigraphic correlation in the Kapthurin Formation. Director: Sally McBrearty

Tanzania

Kisese II rockshelter (2014-present): Project co-director; reanalysis and dating of 1950s excavations by the Leakeys and R. Inskip.

AWARDS

Top Reviewer for the Journal of Human Evolution (2008).
NYU Goddard Junior Faculty Fellowship (2011).

Turkey

Kaletepe Deresi 3 (2006-present):

Geochemical analysis of tephra from the only excavated Acheulian site in Anatolia. Project directors: Steve Kuhn (U. of Arizona) and Ludovic Slimak (CNRS).

France

L'abri de la Combette (1998):

Excavation assistant at this Middle Paleolithic hunting stand in Vaucluse. Site director: Pierre-Jean Texier, CNRS (Valbonne).

Orgnac 3 (starts in 2011):

Volcanic ash sampling and analysis from a Middle Pleistocene Lower-Middle Paleolithic site. Project directors: Ludovic Slimak (CNRS) and Jason Lewis (Stanford).

Northeastern U.S.

Excavation & analysis of mid-Holocene to 19th century sites for cultural resource management firms and the CT State Archaeologist (1994-1997, 2001-2003).

PROFESSIONAL ACTIVITIES

Wenner-Gren Foundation for Anthropological Research, Review panel member (2016-2018).
Review ~150 proposals for the only major four-field anthropology funding source.

Associate Editor for the Journal of Human Evolution (2009-2012).

Associate Editor of *Wiley-Blackwell's Encyclopedia of Human Evolution* (2010-2011).

Member of UISPP (International Union for Prehistoric and Protohistoric Sciences, CHISP, UNESCO) Committee 27 on Settlement Dynamics of the Middle Paleolithic and Middle Stone Age

Proposal and manuscript reviewer (with approximate counts of manuscripts or proposals in parentheses) for the US National Science Foundation (15), the Social Sciences and Humanities Research Council of Canada (1), National Research Foundation of South Africa (2), Agence National de la Recherche (France) (1), National Geographic Committee for Research and Exploration (14), the L.S.B. Leakey Foundation (16), Science (1), PLOS One (1), the Journal of Human Evolution (30), Journal of Archaeological Science (1), Current Anthropology (2), Evolutionary Anthropology (1), The Journal of Anthropological Archaeology (1), Antiquity (1), American Antiquity (1), Azania: Journal of the British Institute in East Africa (2), Before Farming: The Archaeology and Anthropology of Hunter-gatherers (1), the Journal of African Archaeology (1), Journal of Field Archaeology (1), PaleoAnthropology (3), Quaternary International (5), Quaternary Research (3), The International Journal of Evolutionary Biology (1), Springer Press (1), Blackwell Scientific Press (1), Journal of Archaeological Method and Theory (1), World Archaeology (1), Journal of Archaeological and Anthropological Science.

Scientific consultant: Discover magazine (May, 2010).

Tenure evaluation external committee member, Archaeology Department, Tel Aviv University (June, 2012).

PUBLIC OUTREACH

"Why were early humans successful and other hominins not?" Science by the Pint – Harvard University's Science in the News, Aeronaut Brewery, Somerville, MA, April 2016.

All-day curriculum development workshop in human evolution for Brookline, MA, 7th grade teachers, April 2016.

Fire and human evolution. Radio broadcast on the Colin McEnroe show, NPR, January 2015.

What's a stone tool got to do with Neanderthal extinction? Neanderthal Institute for Sixth Graders, American Museum of Natural History, August 2012.

ADVISING**As postdoctoral advisor**

- 2016 Max Price (2015 Ph.D., Harvard University). The history of the American School for Prehistoric Research and its Paleolithic collections at the Peabody.
- 2016 Laure Metz (2015 Ph.D., Université d'Aix-Marseille, Fyssen Foundation fellow). Evidence for early projectiles at Ksar 'Akil, Lebanon.
- 2015-2016 Nick Blegen (2015 Ph.D., University of Connecticut). East African Middle Stone Age archaeology and chronology.
- 2014-2015 Ravid Ekshtain (2015 Ph.D., Hebrew University of Jerusalem, Fulbright scholar). Earliest modern humans out of Africa: The archaeology of Skhul, Israel.

As Ph.D thesis primary advisor

- In progress Matthew Magnani, *The Ethnoarchaeology of the shift to food production among Akie hunter-gatherers in northern Tanzania*, **Harvard University**.

As Ph.D thesis committee member

- In progress Alison Mant-Melville, *Structure and Variability in East African Middle Stone Age technology*, **University of Connecticut**.
- In progress Kathryn Ranhorn, *Organizational approaches to the East African Middle Stone Age*, **George Washington University**.
- In progress Joelle Nivens, *Early Aurignacian colorant exploitation in the Vézère Valley: A comparison between sites and across crafts*, **New York University**.
- In progress Sheila Nightingale, *The Middle Stone Age of Malawi*, **City University of New York**.
- In progress John O'Hara *Accessing Social Geographies in Late Glacial Franco-Cantabria through Personal Ornaments*, **New York University**.
- 2016 Bridget Alex, *Establishing contexts of encounters: Radiocarbon dating of archaeological assemblages with implications for Neanderthal-modern human interactions*, **Harvard University**.
- 2016 Philip Slater, *Tracing changes in lithic technological organization: the evolution of planning in early modern humans during the late Quaternary in East Africa*, **University of Illinois**.
- 2015 Bastien Varoutsikos, *The Mesolithic-Neolithic Transition in the South Caucasus: Cultural Transmission and Technology Transfer*, **Harvard University**.
- 2015 Nick Blegen, *The Middle Stone Age on the Margins*, **University of Connecticut**.
- 2015 Matthew Spigelman, *Red-on-Black Style Ceramics: Production and Trade in Bronze Age Cyprus*, **New York University**.
- 2015 Claire Heckel, *Production Organization in the Early Upper Paleolithic: Ivory tools and ornaments of the French Aurignacian*, **New York University**.
- 2009 James W. Boyle, *The Production and Use of Bone and Antler Dress Pins in Early Medieval Ireland, c. AD 400 – 800*, **New York University**.

As Ph.D. thesis external reviewer

- 2015 Ariel Malinsky-Buller, *The Lower to Middle Paleolithic Transition: Regional and Global Perspectives*, **Hebrew University of Jerusalem**.
- 2012 Katja Douze, *Le Early Middle Stone Age d'Ethiopie et les mutations techno-économiques à la période d'émergence des premiers Homo sapiens*, **Universite de Bordeaux 1**.

ADVISING, CONTINUED

As M.A./M.Sc. thesis committee member

- 2011 Alexander A. Van Plantinga *Geology of the Late Pleistocene artifact-bearing Wasiriya Beds at the Nyamita Locality, Rusinga Island, Kenya*, **Baylor University**.
- 2011 Victoria Dominguez, *The utility of osteon shape and circularity for differentiating human and non-human Haversian bone*, **New York University**.
- 2007 Erin-Marie Williams, *Wrist-control, knapping, and human evolution*, **George Washington University**.

As M.A./M.Sc. thesis external reviewer

- 2016 Nadav Nir, *Bones and formation processes in the Middle Paleolithic open-air site of Ein Qashish*. The Hebrew University of Jerusalem.

ADVISING, CONTINUED

As undergraduate honors thesis committee member

- 2014 Emily Lowe, *From Sunda to Sahul: Implications of Sea Level Changes for Human Dispersal across Wallacea*, **Harvard University**.
- 2014 Marta Stevanovic, *The Reciprocal Relationship between Microbially-Rich Soil Environments and Bone and Plant Remains*, **Harvard University**.
- 2011 Jesse Wolfhagen, *Teaching Old Data New Tricks: Reintegrating Curated Zooarchaeological Material from the Western Swiss Lakes into Modern Academic Discussion*, **New York University**.
- 2010 Nicole Squyres, *The Relationship Between Clavicle Length and Body Dimensions in Two Samples of Modern Humans*, **New York University**.
- 2009 Sarah Pilliard, *Rethinking Cattle: A Comprehensive Archaeological Analysis of North and East Africa*, **New York University**.

UNIVERSITY SERVICE (HARVARD UNIVERSITY)

Faculty coordinator for Archaeology Multi-User Laboratory and Project Room (2015-2016).

Organizer for weekly/bi-weekly talk series in Archaeology, 2014-2015, 2015-2016.

Member, Standing Committee on African Studies, 2014-2015.

Member, GSAS Committee on Merit/Term Time Research Fellowships, 2014

Member, Department of Anthropology College Fellow Search Committee, 2014

Professors and Pastries, Spring, 2014

UNIVERSITY SERVICE (NEW YORK UNIVERSITY)

Undergraduate Curriculum Committee, 2013.

Library Liaison for the College of Arts and Sciences, 2011-2013.

Judge, CAS Undergraduate Research Conference, 2013

Reviewer for: (1) Social Science Committee for the Director of Undergraduate Research Fellowship (DURF; >30 applications), Fall 2010, Spring 2011, (2) NYU Graduate School of Arts and Sciences predissertation fellowship applications in the Department of Anthropology, 2009-2010.

NYU Anthropology Department departmental nomination selection committee: 2009-2011

Admissions committee member (2009-2011) for NYU Department of Anthropology MA program in Human Skeletal Biology, and M.A. committee member for Nicholas Holowka, Allison Sharplin, Daniel O'Shea, Kate McCormick, Julia Chmaj, Maria Darr, Alison Miller, Michala Stock, Evan Bird, Molly Miranker.

Borgman Prize (best undergraduate thesis) committee member (2009), NYU Anthropology.

Undergraduate Studies Committee member (2009-2011), NYU Department of Anthropology.

Organizer, 2009-2010 and 2010-2011 six-part CSHO lecture series.

PROFESSIONAL ORGANIZATION MEMBERSHIP

Paleoanthropology Society, Society of American Archaeology, Society of Africanist Archaeologists, Geological Society of America, British Institute of East Africa, Massachusetts Archaeological Society, Massachusetts Geological Society, Sigma Xi.

MEDIA COVERAGE

- 2016 Harvard Gazette: <http://news.harvard.edu/gazette/story/2016/07/rusingoryx-dinosaur-skull/>
- 2015 Livescience, Stone Age Skull Reveals Astonishing Human Diversity
<http://www.livescience.com/49875-stone-age-skull-found.html>
- 2014 Science Now, Christian Science Monitor, Nature, comment on 'early Levallois technology of the southern Caucasus'
- 2011 Science Now, comment on Arabian evidence for 'out of Africa'
<http://news.sciencemag.org/sciencenow/2011/11/ancient-tools-point-to-early-hum.html?ref=hp>
- 2011 Associated Press, comment on dates for the earliest Acheulian handaxes
[\(http://www.boston.com/news/science/articles/2011/08/31/ancient_humans_used_hand_axes_earlier_than_thought/\)](http://www.boston.com/news/science/articles/2011/08/31/ancient_humans_used_hand_axes_earlier_than_thought/)
- 2010 National Public Radio, discussion of "what it means to be human."
<http://www.npr.org/templates/story/story.php?storyId=128415050>.
- 2009 Science Now, comment on the dates of the earliest stone tools found in Europe.
<http://sciencenow.sciencemag.org/cgi/content/full/2009/902/5>.
National Geographic, commentary on earliest dates for the African Middle Stone Age, Gademotta, Ethiopia. (<http://news.nationalgeographic.com/news/2008/12/081203-homo-sapien-missions.html>).
- 2008 Science Now, commentary on earliest dates for the African Middle Stone Age, from Gademotta, Ethiopia. (<http://sciencenow.sciencemag.org/cgi/content/full/2008/1201/1>).

COURSES TAUGHT (* denotes new course preparation)

Harvard University

- 2016 *Undergraduate*
Freshman Seminar: Finding Your Inner Neanderthal

Graduate
Case Studies and Research Proposal Preparation
- 2015 *Graduate*
Changes in the Land (with Jeff Quilter)
- 2014 *Undergraduate*
The Archaeology of the Modern Human Origins*
The Fundamentals of Archaeological Reasoning (with Jason Ur)

Graduate
Case Studies and Research Proposal Preparation*
Small-scale Societies (with Rowan Flad)
- 2013 *Undergraduate*
African Archaeology*

COURSES TAUGHT, CONTINUED

New York University

2013 *Undergraduate*
Archaeology: Early Societies and Cultures

Graduate
The Archaeology of Modern Human Origins (with Randall White)
Directed readings in the Archaeology of North America (with Pam Crabtree)

2011 *Undergraduate*
African Archaeology
Paleolithic Archaeology

Graduate
Archaeological Perspectives on Society and Technology*
Archaeological Perspectives on Forager Societies*
Directed readings in the African Middle Stone Age and Modern Human Origins*

2010 *Undergraduate*
Archaeology: Early Societies and Cultures
Honors Seminar*

Graduate
Paleoanthropology II (with Shara Bailey and Tom Plummer)*
Geoarchaeology*

2009 *Undergraduate*
Archaeology: Early Societies and Cultures*
Paleolithic Archaeology*

Graduate
The Archaeology of Modern Human Origins (with Randall White)*
Lithic Technology*

2008 *Undergraduate*
African Archaeology*

George Washington University

2005-2007 *Undergraduate*
Introduction to Archaeology
Human Cultural Beginnings (Paleolithic Archaeology)
African Roots: From *Australopithecus* to Zimbabwe
Archaeological Field and Laboratory Techniques

Graduate
Human Cultural Beginnings Seminar, with Alison Brooks.
Diet and Human Evolution, with Peter Lucas.

University of Connecticut

2002 *Undergraduate*
Human Evolution