

Kerryn A. Warren (PhD)

Postdoctoral Fellow at the University of Cape Town

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Skills

My core competencies include archaeological/palaeontological understanding and skills. I am adept at research coordination, data analytical skills, data visualisation skills, and technical knowledge of several key analytical computer languages (R, and SQL) and GIS programs (QGIS). I have excellent written and verbal communication skills, specializing in science communication and education, and have won or placed in several science communication competitions. I am an enthusiastic lecturer, and received excellent reviews from students. I am involved in the high profile excavations at Rising Star, interacting with learners and communities around the world.

Experience

University of Cape Town/ Postdoctoral Fellow

DECEMBER 2018 - PRESENT, CAPE TOWN

Research on Evolution Education and outreach to South African communities.

SAEON / Data Scientist

DECEMBER 2017 - SEPTEMBER 2018, CAPE TOWN

Coordinating and publishing GIS data, interacting with municipal and private stakeholders in BioEnergy and Risk & Vulnerability analysis.

University of Cape Town / Archaeology Course convener/lecturer

JUNE 2017 - DECEMBER 2017, CAPE TOWN

Adapted, convened and lectured a first year course on African and World archaeology and heritage under the principle of decolonization.

Education

University of Cape Town / PhD in Archaeology

FEBRUARY 2013 - FEBRUARY 2017, CAPE TOWN

PhD dissertation: Mice as models for understanding hybridization in the hominin fossil record. This research project included international collaboration with researchers from the University of Calgary, and predictive statistical modelling.

University of Cape Town /MSc in Archaeology

FEBRUARY 2011 - JANUARY 2013, CAPE TOWN

Masters dissertation: Population variation within the Iron Age of southern Africa: An assessment using dental anthropological and cranio-mandibular metric techniques.

Awards

Winner of the National Science and Technology (SET) division for Three-Minute Thesis Competition (2017).

Runner-up of the SAASTA Young Science Communicators Competition in the Audio Division (2017).

Recipient of a Student Travel Award for the American Association of Physical Anthropology (2018).

CoE in Palaeosciences, postdoctoral fellowship (2017).

NRF-DST Centre of Excellence in Palaeosciences, PhD fellowship (2014, 2015).

NRF Grantholder, PhD Fellowship (2013).

Harry Crossley Full fellowship for Master's and Honours (2010, 2011 and 2012).

NRF Foundation Scholarship for Honours (2010).

UCT awards: Dean's merit list (2008, 2009), Book Award for Human Evolution (2008).

Publications

Ackermann, R.R., M.L. Arnold, J. Cahill, L. Cortes-Ortiz, B. Evans, P.R. Grant, B.R. Grant, B. Hallgrimsson, R. Humphreys, C.J. Jolly, M.D. Nidiffer, C.J. Percival, T. Ritzman*, C. Roos, C.C. Roseman, L. Schroeder, F.H. Smith, **K.A. Warren**, R. Wayne, D. Zinner. *Alphabetical order. Accepted. Hybridization in Human Evolution: Insights from other organisms.

Warren, K. A., T.B. Ritzman, R.A. Humphreys, C.J. Percival, B. Hallgrimsson and R.R. Ackermann. 2018. "Cranio-mandibular form and body size variation of first generation mouse hybrids: A model for hominin hybridization." *Journal of Human Evolution*, 116:57-74. DOI: 10.1016/j.jhevol.2017.12.002.

Black, W., L. Ward, **K.A. Warren**. 2018. Bringing the community to archaeology: an educational workshop for teachers. *The Digging Stick*, 34(3): 11-13.

K.A. Warren, S. Hall and R.R. Ackermann. Variation in Iron Age populations of southern Africa using dental anthropology and 3D cranio-mandibular techniques" *South African Archaeological Bulletin*, 70 (201): 76-88. JSTOR, www.jstor.org/stable/24643610.

K.A. Warren, S. Hall and R.R. Ackermann. Craniodental continuity and change between Iron Age peoples and their descendants". *South African Journal of Science*, 110 (7-8):1-11.DOI: <https://doi.org/10.1590/sajs.2014/20130275>.

Warren, K.A., T. Ritzman, C. Percival, B. Hallgrimsson, R.R. Ackermann. Covariance and integration of cranio-mandibular elements in mouse hybrids: an explanation for the morphology of the Oase 1 mandible. In prep.

Warren, K.A., W. Black, R.R. Ackermann, S. Hall. Dental modification on southern Africa over time. In prep.

Warren, K.A., R. Ackermann, J. Malukiewicz, *et. al.* Morphometric analysis of marmoset species and their hybrids. In Prep.

Academic Conference Output

Using R Stats To Teach About Hominins And Adorable Primates. 2019. Authors: **Kerryn A. Warren**, Marc Kissel. - American Association of Physical Anthropology (poster).

Of Hybrid Mice And Hominins: Disintegration Key To Understanding Hominin Hybrid Morphologies. 2017. Authors: **Kerryn A. Warren**, Christopher J Percival, Terrence Ritzman, Benedikt Hallgrimsson, Rebecca R. Ackermann - American Association of Physical Anthropology (podium).

Using A Mouse Model To Understand The Relationship Between Skeletal And Ectodermal Trait Variation In Mammalian Hybrids. 2017. Authors: Robyn A. Humphreys, Terrence Ritzman, **Kerryn A. Warren**, Christopher J. Percival, Benedikt Hallgrimsson, Rebecca R. Ackermann - American Association of Physical Anthropology (podium).

Using Extant Taxa To Model Variation In Hominin Hybrid Populations. 2016. Authors: **Kerryn A. Warren**, Lauren Schroeder, Terrence Ritzman, Christopher J. Percival, Benedikt Hallgrimsson and Rebecca R. Ackermann - American Association of Physical Anthropology (podium).

Variation In The Skeletal And Ectodermal Phenotype Of Mouse Hybrids. 2016. Authors: Robyn A. Humphreys, Terrence Ritzman, **Kerryn A. Warren**, Christopher J. Percival, Charles C. Roseman, Benedikt Hallgrimsson, Rebecca R. Ackermann - American Association of Physical Anthropology (poster).

Mouse Models For Identifying Hybridization In The Hominin Fossil Record: Preliminary Results. 2015. Authors: **Kerryn A. Warren**, Terrence Ritzman, Christopher J. Percival, Benedikt Hallgrimsson and Rebecca R. Ackermann (2015) - American Association of Physical Anthropology (podium).

Dental Variation In Iron Age Populations Of Southern Africa. 2013. Authors: **Kerryn A. Warren**, Simon Hall and Rebecca R. Ackermann (2013) - American Association of Physical Anthropology (poster).

Morphological Variation Within The Iron Age Of Southern Africa. 2013. Authors: **Kerryn A. Warren**, Simon Hall and Rebecca R. Ackermann (2013) - Association of Southern African Professional Archaeologists (podium).

Career development

Stellenbosch Science Communication Course (Sponsored by SAASTA, NRF) - Sept 2018.

Title: Rising Star Excavations (talks aimed at Junior School learners from around Cape Town).

Title: There and Back again: A Homo naledi tale (2019) - Pint of Science.

Title: What would a human-neanderthal hybrid look like? (2018) - UCT, Summer School; Pint of Science (CTN CBD).

Title: The Evolution of Diet (2016) - The Good Food and Wine Show, Cape Town .

Title: Finding the Original Sugarman (2016) - The Good Food and Wine Show, Cape Town.

Fieldwork Experience:

- Rising Star excavations (2018, 2019)
 - Koobi Fora (2012)
 - Duinefontein (2016)
 - Elandsfontein (2009, 2010)
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