

Rebecca Rogers Ackermann

curriculum vitae

contact details

Department of Archaeology
University of Cape Town
Private Bag
Rondebosch 7701
South Africa

department +27.21.650.2356
dept fax +27.21.650.2352
home +27.21.423.8304
becky.ackermann@uct.ac.za
www.stillevolving.com

research interests

Evolutionary Process and Theory ❖ Hybridization ❖ Genetic Drift ❖ Anthropoid Variation & Integration
❖ Hominin Craniofacial Development & Morphology ❖ Mammalian Models ❖ Quantitative Methods

education

- Washington University in St Louis** 1994-1998
Ph.D. Anthropology (Biological)
Thesis: *A Quantitative Assessment of Variability in the Australopithecine, Human, Chimpanzee, and Gorilla Face.*
Supervisor: Richard J. Smith.
Committee: Jim Cheverud, Glenn Conroy, Charles Hildebolt, Alan Templeton.
- University of Arizona** 1991-1994
M.A. Anthropology (Biological/Forensic)
Thesis: *From Calipers to Computers: Three-Dimensional Imaging in Forensic Anthropology.*
Committee: Walter Birkby, William Stini, Steve Zegura.
- The University of Chicago** 1987-1991
A.B. Anthropology (Biological)

academic positions

- Deputy Dean: Transformation** 2019-present
Faculty of Science, University of Cape Town, South Africa.
- Professor** 2018-present
University of Cape Town, Department of Archaeology, Faculty of Science, South Africa.
- Director, Human Evolution Research Institute (HERI)** 2016-present
University of Cape Town, South Africa.
- Associate Professor** 2008-2017
University of Cape Town, Department of Archaeology, Faculty of Science, South Africa.
- Senior Lecturer** 2004-2007
University of Cape Town, Department of Archaeology, Faculty of Science, South Africa.
- Lecturer** 2000-2003
University of Cape Town, Department of Archaeology, Faculty of Science, South Africa.
- Postdoctoral Research Associate** 1998-2000
Washington University School of Medicine, Dept of Anatomy and Neurobiology, St. Louis, Missouri.
- Lecturer (summer sessions)** 1996-1997

Washington University, Department of Anthropology, St. Louis, Missouri.

Lecturer (Anatomy for Artists) 1999
Webster University, College of Fine Arts, St. Louis, Missouri.

Laboratory Instructor (Gross Anatomy) 1996
Washington University Medical Center, Physical Therapy Program, St. Louis, Missouri.

honours and awards

Visiting Fellow, University of Tübingen Oct 2018

National Research Foundation Rating: B2, Internationally acclaimed researcher 2011-2016, 2017-2022

Distinguished Teacher Award, University of Cape Town 2006

Africa Human Genome Initiative Darwin Lecture 2005

National Research Foundation Rating: C1, Established researcher 2005-2010

Keynote Lecture 2005 SASOL Science Festival, Grahamstown 2005

J. Lawrence Angel Award, National Academy of Forensic Sciences 1995

Maroon Key Society & Dean's List, University of Chicago 1989-1991

Washington University Dean's Summer Fellowship 1995

Mr. and Mrs. Spencer T. Olin Fellowship (Wash U) 1994-1998

University of Arizona Graduate Registration Fellowship 1991-1994

Thomas J. Watson Memorial Scholarship (IBM; U Chicago) 1987-1991

grant funding

Advancing Womxn: Womxn by womxn 2019-2023
The next great South African palaeoanthropologist: where is she? (R3,750,000; PI R Pickering, Co-PIs RR Ackermann, J Wilkins)

National Research Foundation, African Origins Platform 2019-2021
Gene flow and drift in human evolution. (R1,935,000; PI)

National Research Foundation, Human and Social Dynamics Call 2018-2020
Connecting cultural identities through oral histories and genetics. (R858,000; Collaborator; PI Dr Wendy Black)

Centre of Excellence, Evolutionary Studies Institute, University of the Witwatersrand 2018
New mammal models for hybridization in human evolution. (R60,000; PI)

National Science Foundation (USA), Research grant 2017-2020
Morphological consequences of hybridization in primate and human evolution: a macaque model. (\$387,556; PI T Weaver; Co-PIs RR Ackermann, L Hlusko, D Katz, S Kanthaswamy). Award# 1720128

Centre of Excellence, Evolutionary Studies Institute, University of the Witwatersrand 2017
Investigating the relative roles various evolutionary processes (e.g. drift, selection, gene flow) played in shaping human evolution. (R80,000; PI)

National Science Foundation (USA), RAPID funding 2016
Morphological consequences of admixture in human and non-human primates. (\$50,000; PI T Weaver; Co-PIs RR Ackermann, S Kanthaswamy)

The Leakey Foundation, General grant <i>Morphological consequences of admixture in human and non-human primates.</i> (\$25,000; PI D Katz; Co-PIs: RR Ackermann, S Kanthaswamy, T Weaver)	2016
Centre of Excellence, Evolutionary Studies Institute, University of the Witwatersrand <i>Evolutionary processes shaping the phenotype in human evolution.</i> (R50,000; PI)	2016
National Research Foundation, Competitive Funding for Rated Researchers <i>Hybrid models for human evolution.</i> (R1,351,000; PI)	2015-2017
Centre of Excellence, Evolutionary Studies Institute, University of the Witwatersrand <i>Non-adaptive processes shaping human evolution.</i> (R77,350; PI)	2015
Palaeontological Scientific Trust (PAST) <i>Investigation of hybridization in Krapina Neanderthals: International visit.</i> (R45,744; PI)	2015
University of Cape Town Research Committee Block Grant (R9190)	2015
Centre of Excellence, Evolutionary Studies Institute, University of the Witwatersrand <i>Using mouse models to assess the phenotypic effects of hybridization.</i> (R60,000; PI)	2014
University of Cape Town Research Committee Travel Grant (R13,404) and Block Grant (R3634)	2014
National Research Foundation, African Origins Platform <i>Investigating the hybrid phenotype.</i> (R960,432; PI)	2013-2015
University of Cape Town Research Committee Block Grant (R6409)	2013
National Research Foundation, Competitive Funding for Rated Researchers <i>Investigating the hybrid phenotype.</i> (R940,000; PI)	2012-2014
University of Cape Town Research Committee Block Grant (R6567)	2012
National Research Foundation, Incentive Funding for Rated Researchers Support of research (R480,000; PI)	2011-2016
University of Cape Town Research Committee Travel Grant (R20,434) and Block Grant (R7953)	2011
National Lottery Funding <i>Infrastructure development at the West Coast Fossil Park.</i> Granted to the WCFP Trust. (R67,000,000)	2010-2012
University of Cape Town Research Committee Block Grant (R8447)	2010
Centre for Higher Education Technology (UCT) Teaching with Technology Grant (R20,000)	2010
National Research Foundation, Incentive Funding for Rated Researchers Support of research (R80,000; PI)	2009-2010
University of Cape Town Research Committee Travel Grant (R27,000) and Block Grant (R8097)	2009
National Research Foundation, African Origins Platform <i>Maximising the research, educational and tourism potential of the West Coast Fossil Park (Langebaanweg).</i> (R2,700,000; PI: R Smith; Co-PI: RR Ackermann)	2008-2010
University of Cape Town Research Committee Block Grant (R10,427)	2008

University of Cape Town Research Committee Travel Grant (R17,000) and Block Grant (R8007)	2007
National Research Foundation, Team Grant <i>Human evolution, diets and environments.</i> (R3,047,172; PI: J Sealy; Co-PIs RR Ackermann, N vd Merwe)	2006-2009
University of Cape Town Research Committee Block Grant (R6465)	2006
National Research Foundation, Team Grant Human evolution, diets and environments. (R596,793; PI: J Lee-Thorp, Co-PIs RR Ackermann, J Sealy, N vd Merwe)	2005
National Research Foundation International Science Liaison Grant (R20,000; PI)	2005
University of Cape Town Research Committee Travel Grant (R18,000) and Block Grant (R7632)	2005
University of Cape Town Research Committee Travel Grant (R8000)	2004
National Research Foundation, Team Grant (R1,248,000; PI: J Lee-Thorp; Co-PIs RR Ackermann, J Sealy, N vd Merwe)	2003-2004
University of Cape Town Research Committee Team Block Grant (R56,000)	2003
National Research Foundation, Team Grant (R456,000; PI: J Sealy; Co-PIs RR Ackermann, J Lee-Thorp, N vd Merwe)	2002
University of Cape Town Research Committee Travel Grant (R15,000) and Team Block Grant (R34,000)	2002
National Science Foundation Dissertation Improvement Grant (\$11,750; Supervisor/grantee RJ Smith)	1996
L.S.B. Leakey Foundation Grant (\$7520; PI)	1996
Sigma Xi Grant-in-Aid of Research (\$2000; PI)	1996

publications (* designates postgraduates)

In review K Harvati and **RR Ackermann**. Hybridization in the Late Pleistocene. *Nature Ecology and Evolution*.

2019 **Ackermann RR**, ML Arnold, MD Baiz, J Cahill, L Cortes-Ortiz, B Evans, BR Grant, PR Grant, B Hallgrímsson, R Humphreys*, CJ Jolly, J Malukiewicz, CJ Percival, T Ritzman*, C Roos, CC Roseman, L Schroeder*, FH Smith, K Warren*, R Wayne, D Zinner. Hybridization in human evolution: insights from other organisms. *Evolutionary Anthropology*. Preprint (2018) *AfricArxiv* DOI: 10.31730/osf.io/y3bp7

2019 **Ackermann RR** Reflections on the history and legacy of scientific racism in South African palaeoanthropology and beyond. *Journal of Human Evolution*. 126: 106-111. DOI: <https://doi.org/10.1016/j.jhevol.2018.11.007> Preprint *AfricArxiv* DOI: <https://doi.org/10.31730/osf.io/t3v9a>

- 2018 **Ackermann RR** and L Schroeder. The emergence of complexity and novelty in the human fossil record. In: Humility, Wisdom and Grace in Deep Time. A Fuentes and C Deane-Drummond, Eds. Preprint *AfricaArxiv* DOI: 10.31730/osf.io/k39h2
- 2018 Athreya S and **RR Ackermann**. Colonialism and narratives of human origins in Asia and Africa. In: Interrogating Human Origins: Decolonisation and the Deep Past. M Porr and J Matthews, Eds. Archaeological Orientation Series. Routledge: Abingdon. (Series editors: Christopher Witmore and Gavin Lucas). Preprint *AfricaArxiv* DOI: 10.31730/osf.io/jtkn2
- 2018 Warren, K*, T Ritzman*, R Humphreys*, C Percival, B Hallgrimsson, **RR Ackermann**. Craniomandibular form and body size variation of first generation mouse hybrids: a model for hominin hybridization. *J Hum Evol.* 116: 57-74.
- 2017 Gunbin K, L Peshkin, K Popadin, S Annis, **RR Ackermann**, K Khrapko. Data on the time of integration of the human mitochondrial pseudogenes (NUMTs) into the nuclear genome. *Data in Brief*. DOI: 10.1016/j.dib.2017.05.024
- 2017 Schroeder L* and **RR Ackermann**. Evolutionary processes shaping diversity across the *Homo* lineage. *J Hum Evol.* 111: 1-17. <https://doi.org/10.1016/j.jhevol.2017.06.004> (Preprint: *BioRxiv* DOI: 10.1101/136507)
- 2017 Gunbin K, L Peshkin, K Popadin, S Annis, **RR Ackermann**, K Khrapko. Integration of mtDNA pseudogenes into the nuclear genome coincides with critical periods in human evolution. A hypothesis. *Mitochondrion.* 34: 20-23. DOI: 10.1016/j.mito.2016.12.001
- 2017 Laird MF, Schroeder L*, HM Garvin, JE Scott, M Dembo, D Radovčić, CM Musiba, **RR Ackermann**, P Schmid, J Hawks, LR Berger, DJ de Ruiter. The skull of *Homo naledi*. *J Hum Evol.* 104: 100-123. DOI: 10.1016/j.jhevol.2016.09.009
- 2017 Schroeder L*, JE Scott, HM Garvin, MF Laird, M Dembo, D Radovčić, LR Berger, DJ de Ruiter, **RR Ackermann**. Skull diversity in the *Homo* lineage and the relative position of *Homo naledi*. *J Hum Evol.* 104: 124-135. DOI: 10.1016/j.jhevol.2016.09.014
- 2016 Dembo M, D Radovčić, HM Garvin, MF Laird, L Schroeder*, JE Scott, **RR Ackermann**, C Musiba, DJ de Ruiter, A Mooers, M Collard. The evolutionary relationships and age of *Homo naledi*: An assessment using dated Bayesian phylogenetic methods. *J Hum Evol.* 97: 17-26.
- 2016 Eichel, K & **RR Ackermann**. Variation in the nasal cavity of baboon hybrids with implications for late Pleistocene hominins. *J Hum Evol.* 94:134-145.
- 2016 **Ackermann RR**, A Mackay, ML Arnold. The hybrid origin of “modern” humans. *Evol Biol.* Vol 43, Issue 1, pp.1-11. DOI: 10.1007/s11692-015-9348-1
- 2015 Berger LR, J Hawks, DJ de Ruiter, SE Churchill, P Schmid, SA Williams, JM DeSilva, T Kivell, M Skinner, CM Musiba, N Cameron, TW Holliday, W Harcourt-Smith, **RR Ackermann**, Bastir M, Bogin B, Bolter D, Brophy J, Cofran ZD, Congdon KA, Deane AS, Dembo M, Drapeau M, Elliott M, Feuerriegel EM, Garcia-Martinez D, Green DJ, Gurtov A, Irish JD, Kruger A, Laird MF, Marchi D, Meyer MR, Nalla S, Negash EW, Orr CA, Radovcic D, Schroeder L*, Scott JE, Throckmorton Z, Tocheri MW, VanSickle C, Walker CS, Wei P, & Zipfel B. *Homo naledi*, a new species of the genus *Homo* from the Dinaledi Chamber, South Africa. *eLife.* 4:e09560. DOI: 10.7554/eLife.09560

- 2015 Harvati K, C Bauer, FE Grine, S Benazzi, **RR Ackermann**, KL van Niekerk, CS Henshilwood. A human deciduous molar from the Middle Stone Age (Howiesons Poort) of Klipdrift Shelter, South Africa. *J Hum Evol.* 82:190-196.
- 2015 Warren K*, S Hall, **RR Ackermann**. Cranio-dental evidence for between-population homogeneity in the archaeological record of southern African Iron Age peoples. *S African Archaeological Bulletin* 70(201): 76-88.
- 2015 Sithaldeen R*, **RR Ackermann**, JM Bishop (2015) Pleistocene aridification cycles shaped the contemporary genetic architecture of southern African baboons. *PLoS ONE.* 10(5): e0123207. DOI:10.1371/journal.pone.0123207
- 2014 Schroeder L*, CC Roseman, JM Cheverud, **RR Ackermann**. Characterizing the evolutionary path(s) to early *Homo*. *PLoS ONE.* 9(12): e114307. DOI:10.1371/journal.pone.0114307
- 2014 **Ackermann RR**, L Schroeder*, J Rogers, JM Cheverud. Further evidence for phenotypic signatures of hybridization in descendant baboon populations. *J Hum Evol.* 74: 54-62. DOI: 10.1016/j.jhevol.2014.05.004.
- 2014 Irish, JD, W Black*, JC Sealy, **RR Ackermann**. Questions of Khoesan continuity: Dental affinities among the indigenous Holocene peoples of South Africa. *Am J Phys Anth.* 155(1): 33-44. DOI: 10.1002/ajpa.22526.
- 2014 Fuzessy LF, IO Silva, J Malukiewicz, FFR Silva, MC Ponzio, V Boere, **RR Ackermann**. Morphological variation in wild marmosets (*Callithrix penicillata* and *C. geoffroyi*) and their hybrids. *Evolutionary Biology.* 41(3): 480-493. DOI: 10.1007/s11692-014-9284-5.
- 2014 Warren K*, S Hall, **RR Ackermann**. Cranio-dental continuity and change between Iron Age peoples and their descendants. *South African Journal of Science.* 110(7/8), Art. #2013-1275, 11 pp. DOI: 10.1590/sajs.2014/20130275.
- 2013 de Ruiter DJ, TJ DeWitt, KB Carlson, JK Brophy, L Schroeder*, **RR Ackermann**, SE Churchill, LR Berger. Mandibular remains support taxonomic validity of *Australopithecus sediba*. *Science* **340**. DOI: 10.1126/science.1232997.
- 2012 Govender R*, A Chinsamy, **RR Ackermann**. An anatomical and landmark morphometric analysis of the phocid seals from Langebaanweg, South Africa. *Transactions of the Royal Society of South Africa.* 67(3):135-149.
- 2012 Williams FL, L Schroeder*, **RR Ackermann**. The mid-face of lower Pleistocene hominins and its bearing on the attribution of SK 847 and StW 53. *Homo: J of Comp Human Biology.* 63: 245-257.
- 2011 Wood, B.A., Henry, A., Baker, J., Claxton, A., Mikels, E., Bishop, L., Goodrum, M., Stone, A., Tyron, C., **Ackermann, RR.**, et al. (eds). *Blackwell Encyclopedia of Human Evolution*. New York: Blackwell, pp. 1264.
- 2010 **Ackermann RR**. Phenotypic traits of primate hybrids: recognizing admixture in the fossil record. *Evolutionary Anthropology.* 19: 258-270.
- 2010 **Ackermann RR** and JM Bishop. Morphological and molecular evidence reveals recent hybridization between gorilla taxa. *Evolution.* 64: 271-290. DOI: 10.1111/j.1558-5646.2009.00858.x

- 2010 **Ackermann RR**, JS Brink, S Vrahimis, B de Klerk. Hybrid wildebeest (Artiodactyla: Bovidae) provide further evidence for shared signatures of admixture in mammalian crania. *South African Journal of Science*. 106(11/12), Art. #423: 5 pp. DOI:10.4102/sajs.v106i11/12.423
- 2009 Sithaldeen R*, JM Bishop, **RR Ackermann**. Mitochondrial DNA analysis reveals Plio-Pleistocene diversification within the chacma baboon. *Molecular Phylogenetics & Evolution*. 53: 1042-1048. DOI:10.1016/j.ympev.2009.07.038.
- 2009 Neeser R*, **RR Ackermann**, J Gain. Comparing the accuracy and precision of three techniques used for estimating missing landmarks when reconstructing fossil hominin crania. *Am J Phys Anth*. 140(1):1-18. DOI: 10.1002/ajpa.21023
- 2009 **Ackermann RR**. Morphological integration and the interpretation of fossil hominin diversity. *Evolutionary Biology*. 36: 149-156.
- 2008 Fourie NH*, JA Lee-Thorp, **RR Ackermann**. Biogeochemical and craniometric investigation of dietary ecology, niche separation and taxonomy of Plio-Pleistocene cercopithecoids from the Makapansgat Limeworks. *Am J Phys Anth*. 135(2): 121-135.
- 2007 Stynder DD*, **RR Ackermann**, JC Sealy. Craniofacial variation and population continuity during the South African Holocene. *Am J Phys Anth*. 134(4): 489-500.
- 2007 Stynder DD*, **RR Ackermann**, JC Sealy. Early to mid-Holocene South African Later Stone Age human crania exhibit a distinctly Khoesan morphological pattern. *S African J Science*. 103: 349-352.
- 2007 **Ackermann RR** & RJ Smith. The macroevolution of our ancient lineage: what we know (or think we know) about early hominin diversity. *Evolutionary Biology*. 34(1):72-85.
- 2007 **Ackermann RR**. Craniofacial variation and developmental divergence in primate and human evolution. In: Tinkering: the micro-evolution of development. Novartis Foundation Symposium 284. Wiley, Chichester, pp. 262-279.
- 2007 Williams FL, **RR Ackermann**, SR Leigh. Inferring Plio-Pleistocene southern African biochronology from facial affinities in *Parapapio* and other southern African papionins. *Am J Phys Anth*. 132(2):163-174.
- 2006 **Ackermann RR**, J Rogers, JM Cheverud. Identifying the morphological signatures of hybridization in primate and human evolution. *J Hum Evol*. 51:632-645.
- 2005 **Ackermann RR**. Ontogenetic integration of the hominoid face. *J Hum Evol*. 48:175-197.
- 2005 **Ackermann RR**. Variation in Neandertals: A response to Harvati (2003). *J Hum Evol*. 48:643-646.
- 2004 **Ackermann RR** and JM Cheverud. Detecting genetic drift versus selection in human evolution. *Proc Nat Acad Sci*. 101:17946-17951.
- 2004 **Ackermann RR** and JM Cheverud. Morphological integration in primate evolution. In: Pigliucci, M and Preston, K, eds., Phenotypic Integration: Studying the Ecology and Evolution of Complex Phenotypes. Oxford University Press, pp. 302-319.
- 2003 **Ackermann RR**. Using extant morphological variation to understand fossil relationships: a cautionary tale. *S African J Science*. 99:255-258.

- 2002 **Ackermann RR.** Patterns of covariation in the hominoid craniofacial skeleton; implications for paleoanthropological models. *J Hum Evol.*, 43:167-187.
- 2002 **Ackermann RR** and GE Krovitz. Common patterns of facial ontogeny in the hominid lineage. *The Anatomical Record (New Anat)*, 269:142-147.
- 2002 **Ackermann RR** and JM Cheverud. Discerning evolutionary processes in patterns of tamarin (genus *Saguinus*) craniofacial variation. *Am J Phys Anth.* 117:260-271.
- 2000 **Ackermann RR** and JM Cheverud. Phenotypic covariance structure in tamarins (genus *Saguinus*): A comparison of variation patterns using matrix correlation and common principal component analysis. *Am J Phys Anth.*, 111:489-501.
- 1998 **Ackermann RR.** A Quantitative Assessment of Variability in the Australopithecine, Human, Chimpanzee, and Gorilla Face. Ph.D. Dissertation. Washington University in St. Louis.
- 1997 **Ackermann RR.** Mrs. Ples Now and Then. In: 50 Years of 'Mrs. Ples'. *S African J Science.* 93:167.
- 1997 **Ackermann RR.** Three-dimensional imaging in forensic anthropology: A test study using the Macintosh. *J Forensic Sci* 42(1): 93-99.
- 1994 **Ackermann RR.** From Calipers to Computers: Three-Dimensional Imaging in Forensic Anthropology. Master's Thesis. University of Arizona.

significant professional service – off campus

- Chair, Committee on Diversity International (COD-I), American Association of Physical Anthropologists (AAPA)** 2018-present
- Co-organizer, AAPA Committee on Diversity Women's Initiative (COD-WIN) International Workshop for Women Biological Anthropologists, Cape Town, South Africa** 2018
- National Geographic "Umsuka" Public Palaeoanthropology Project's Curriculum Advisory Committee** 2017-present
- American Association of Physical Anthropologists Program Committee** 2017-2018
- AAPA Committee on Diversity International (COD-I)** 2016-2017
- Editorial Board, American Anthropologist** 2016-present
- Organisation for Women in Science for the Developing World (OWSD) South African National Chapter** 2016-present
- AAPA Committee on Diversity Women's Initiative Workshop, Graduate Student Mentor** 2016
- American Association of Physical Anthropologists Student Awards Committee** 2016-2018
- Physical Anthropology Women's Mentoring Network (PAWMN), Discussion Leader** 2016
Discussion topic: "How to be a Good Ally"
- Associate Editor, Journal of Human Evolution** 2014-present
- Associate Editor, Primate Biology** 2014-present
- External Examiner** 2012
Palaeoanthropology Module, University of Johannesburg
- Advisory Editor and Contributor** 2009-2011

Blackwell Encyclopedia of Human Evolution
Blackwell Dictionary of Human Evolution
Blackwell Concise Dictionary of Human Evolution.

Book Review Editor, Journal of Human Evolution 2008-2012

External Examiner 2006

Human Biology Honours Programme, School of Anatomical Sciences, U Witwatersrand

Founding Trustee, West Coast Fossil Park Trust (Langebaanweg) 2005-2015

Associate Editor, Journal of Human Evolution 2004-2007

Commissioning Editor, Special Edition of South African Journal of Science 2003

Current issues in human origins research in South Africa.

Advisory Panel, Science in Africa (www.sciencein africa.co.za). 2003-present

Member (ongoing): American Association of Physical Anthropologists, American Academy of Forensic Sciences, Society for the Study of Evolution, Paleoanthropology Society, International Primatological Society, European Society for Human Evolution.

Journal reviewer for: American Journal of Physical Anthropology; American Journal of Primatology; Annals of the Transvaal Museum; Biological Journal of the Linnean Society; Current Anthropology; Evolution; Evolutionary Anthropology; Evolutionary Biology; International Journal of Evolutionary Biology; International Journal of Primatology; Journal of Anatomy; Journal of Biogeography; Journal of Experimental Zoology Part B: Molecular and Developmental Evolution; Journal of Human Evolution; Journal of Morphology; Journal of Zoology; Molecular Ecology; Nature; New Anatomist (The Anatomical Record); Paleobiology; Palaeontologica Africana; South African Archaeological Bulletin; South African Journal of Science; Transactions of the Royal Society of South Africa; Systematic Biology; Trends in Ecology and Evolution; Zoologia; Zoological Studies.

Thesis examiner: Ntuthuzelo Makhasi, MSc U Fort Hare, 2013; Craig Richards, MSc UCT (Health Sciences), 2017; Susan Dykes, PhD U Witswatersrand, 2017.

Grant reviewer for: L.S.B. Leakey Foundation (USA), National Research Foundation (South Africa), National Science Foundation (USA), DST-NRF Centre of Excellence in Palaeosciences (CoE-Pal), Claude Leon Foundation.

significant professional service – on campus

Senate 2018-present

Employment Equity Representative, Science Faculty 2017-present

Senate, Co-opted member 2016-2017

Chair, Faculty Research Committee, Science Faculty. 2016-present

Faculty Research Committee, Science Faculty. 2013-present

University Postgraduate Studies Funding Committee 2013-2014

Deputy Chair, Faculty Animal Ethics Committee, Science Faculty. 2013-2014

Faculty Animal Ethics Committee, Science Faculty. 2012-2014

Faculty Research Committee, Science Faculty Jan-June 2012

Selection Committee, Curator of Cenozoic Collections, Iziko Museums of Cape Town. 2010

Senate Panel for Committees of Review: Unsatisfactory Performance 2010-2013

Faculty Ethics in Research Committee, Science Faculty	2008-2009
Selection Committee, Curator of Cenozoic Collections, Iziko Museums of Cape Town.	2007
Communication and Marketing Committee, Science Faculty	2005-2014
Academic Selection Committees, University of Cape Town	2005-present
Lecturer, Department of Archaeology, 2005	
Lecturer, Department of Archaeology, 2006	
Postgraduate Programme Coordinator, Environmental and Geographical Sciences Department, 2007	
Lecturer in Human Geography, Environmental and Geographical Sciences Department, 2007/8	
Lecturer in Atmospheric Science, Environmental and Geographical Sciences Department, 2008	
Lecturer, Department of Archaeology, 2009	
Lecturer/Senior Lecturer, Department of Archaeology, 2011	
Research Chair in Archaeology and Stable Isotopes, Department of Archaeology 2012	
Professor/Lecturer (Open Rank), Department of Archaeology, 2012/13	
Lecturer/Senior Lecturer, Department of Archaeology, 2017/18	
Orientation Committee, Science Faculty	2004
Biological, Earth and Environmental Sciences Programme Committee	2003-2009

graduated postgraduate students

Postdoctoral Research Fellow:

Dr. Terrence Ritzman, PhD Arizona State (2014). PhD supervisors: Gary Schwartz, Bill Kimbel. Recipient of NRF and Claude Leon Foundation Postdoctoral Fellowships (2014-2016).

PhD students:

Wendy Black, PhD. 2014. Curator of Archaeological Collections, Iziko Museums of Cape Town. Thesis: Dental morphology and variation across Holocene Khoesan people of southern Africa. Primary supervisor: RR Ackermann. Co-supervisor: JC Sealy.

Eileen Off, PhD. 2009. Quantification of craniofacial variation, integration, and evolutionary diversification in baboons. Recipient of PAST grants in 2004 & 2005. Supervisor: RR Ackermann.

Trish Parsons, PhD. 2011. (University of Calgary). A developmental analysis of the variation of shape of the chondrocranium and its effects on the evolution of the mammalian skull. Primary supervisor: B Hallgrímsson. Co-supervisor: H Jamniczky. Committee: RR Ackermann, SK Boyd, F Jirek, J Theodor.

Joshua M. Polanski, PhD. 2009. (University of Iowa). Morphological integration of the cranium during ontogeny of *Homo sapiens* and *Pan troglodytes*. Primary supervisor: RG Franciscus. Committee: RR Ackermann, J Canady, R Ciochan, N Ting.

Lauren Schroeder, PhD. 2015. Assistant Professor, Dept of Anthropology, University of Toronto. Thesis: The evolution and diversification of Pleistocene *Homo*. Recipient of Leakey Foundation Baldwin Fellowship. 2015 Mail and Guardian Top 200 Young people you should know. Supervisor: RR Ackermann.

Riashna Sithaldeen, PhD. 2011. Senior Lecturer, CHED, University of Cape Town. Thesis: Phylogeny and phylogeography of the chacma baboon (*Papio ursinus*): the role of landscape in shaping contemporary genetic structure in the southern African baboon. Primary supervisor: RR Ackermann. Co-supervisor: J Bishop (Zoology).

Deano Stynder, PhD. 2006. Senior Lecturer, Department of Archaeology, University of Cape Town. Thesis: A quantitative assessment of variation in Holocene Khoesan crania from South Africa's western, south-western, southern and south-eastern coasts and coastal forelands. Primary supervisor: RR Ackermann. Co-supervisor: JC Sealy.

Kerryn Warren, PhD. 2017. Using the craniomandibular morphology of hybrid mice to better understand hybrid morphologies in the hominin fossil record. Winner of National 3 Minute Thesis competition for the Science and Technology division. Supervisor: RR Ackermann.

Masters students:

Nicolaas Fourie, MSc (with distinction). 2006. Dietary ecology and niche separation in three genera (*Parapapio*, *Theropithecus* and *Cercopithecoides*) of South African Plio-Pleistocene Cercopithecoidea. Co-supervisors: RR Ackermann & J Lee-Thorp.

Nomawethu Hlazo, MSc (with distinction). 2018. The relative role of genetic drift versus selection in shaping cranial variation in *Paranthropus*. Supervisor: RR Ackermann.

Robyn Humphreys, MSc. 2018. Coat colour variation in hybrid mice and its relevance to developmental divergence. Supervisor: RR Ackermann

Rudy Neeser, MSc (with distinction). 2007. A comparison of statistical and geometric reconstruction techniques: guidelines for correcting fossil hominin crania. Primary supervisor: J Gain (Computer Science). Co-supervisor: RR Ackermann.

Kerryn Warren, MSc. 2013. Dental and facial variation in Iron Age southern African peoples. Primary supervisor: RR Ackermann. Co-supervisor: S Hall.

Honours students:

Kyla Bluff. 2009. The morphological expression of hybridization in a chacma baboon hybrid zone. Supervisor: RR Ackermann.

Erica Forbes. 2003. Sexual dimorphism in the tibiae of Khoesan populations. Primary supervisor: RR Ackermann. Co-supervisor: JC Sealy.

Nicolaas Fourie (with distinction). 2003. Primate models of human evolution: an isotope study of chacma baboons (*Papio ursinus*). Co-supervisors: RR Ackermann & J Lee-Thorp.

Nomawethu Hlazo. 2015. Cranial variation in *Paranthropus*. Recipient of departmental bursary and grantholder-linked NRF bursary. Supervisor: RR Ackermann.

Jenna Lavin. 2007. The lost tribes of the peninsula: history and demography of chacma baboons on the Cape Peninsula. Supervisor: RR Ackermann.

Lauren Powell. 2016. Quantifying "ruggedness" in the snout of baboon hybrids. Supervisor: RR Ackermann.

Chantal Rossouw. 2012. Morphometric analysis of hybrid baboon crania. Supervisor: RR Ackermann

Jordan Saltzman. 2006. Shape variation in early Holocene Khoesan crania. Supervisor: RR Ackermann.

Lauren Schroeder (with distinction). 2007. Using Mahalanobis' generalized distances to investigate morphological relationships and variation in early *Homo* dental specimens. Supervisor: RR Ackermann.

Riashna Sithaldeen. 2002. Sexual dimorphism in chacma baboons (*P. ursinus*) from the Western Cape Province, South Africa. Supervisor: RR Ackermann.

Kerryn Warren. 2010. Dental variation in Iron Age peoples. Supervisor: RR Ackermann.

current postgraduate students

Masters and PhD students:

Tessa Campbell (PhD). Evaluating the evolution of TB in South Africa through ancient DNA. Recipient of the Wadsworth African Fellowship from the Wenner-Gren Foundation. Primary supervisor: RR Ackermann. Co-supervisor: A Stone (Arizona State University).

Nomawethu Hlazo (PhD). Investigating niche differentiation through adaptation and proteomics in the genus *Paranthropus*. Primary supervisor: RR Ackermann. Co-supervisor: L Schroeder (University of Toronto).

Robyn Humphreys (PhD) Tracing the origins of 18th and 19th century slaves from Cape Town using ancient DNA. Supervisor: RR Ackermann

Jani Louw (MSc). Dental health in Holocene Khoesan peoples of the Western Cape. Supervisor: W Black (Iziko). Co-supervisor: RR Ackermann.

Megan Malherbe (MSc). The evolution of *Equus capensis*. Supervisor: D Stynder. Co-supervisor: RR Ackermann

Lauren Powell (MSc). Admixture and shifting morphological variation in pre- and post- 2000 Khoesan crania. Supervisor: RR Ackermann.

classroom teaching experience

Introduction to Earth and Environmental Sciences (GEO1009F)
University of Cape Town). Lectures, practicals and field trip. Team taught. 2012-2014.

Biological Diversity (BIO1004S)
University of Cape Town. Lectures and practicals. Team taught. 2006-present.

Human Evolution (AGE2011S)
University of Cape Town. Lectures and practicals. Course Coordinator and sole lecturer. 2000-2013, 2016-present.

Systematics and Evolution (BIO3000S)
University of Cape Town. Lectures and practicals. Team taught. 2005, 2006, 2008.

Vertebrate Biology (BIO3001F)
University of Cape Town. Lectures and practicals. Team taught. 2008/9.

Directed Reading and Research (AGE3006H)
University of Cape Town. Supervisor/mentor. 1 student in 2015. 2 students in 2009, 1 student in 2006, 2 students in 2003, 3 students in 2002.

BSc (HONS) in Archaeology (AGE4000W)

University of Cape Town. Lectures and laboratory instruction, 2000-present. Course Coordinator in 2002, 2003, 2008 & 2009.

BSc (HONS) in Archaeology and Environmental Science (ERT4000W)

University of Cape Town. Course Coordinator. 2002-2003.

Gross Anatomy.

Washington University Medical School. Laboratory instruction. 1998-2000.

Anatomy for Artists.

Webster University, St. Louis. Lecturing and laboratory instruction. 1999.

Introduction to Human Evolution

Washington University in St. Louis. Lecturing. Summer 1996 & 1997.

Gross Anatomy

Washington University in St Louis. Laboratory prosection and instruction. Physical Therapy Programme. 1996

conference presentations & published abstracts (last 10 years)

- 2019 Schroeder L, **RR Ackermann**. The path to *Homo*, revisited. *Am J Phys Anth*, Supp 66. AAPA Annual Meeting, Cleveland, OH, March 2019.
- 2019 Katz DC, LT Buck, J Devine, **RR Ackermann**, B Hallgrimsson, LJ Hlusko, S Kanthaswamy, TD Weaver. Predicting skull shape from admixture in a multigenerational macaque cross sample. *Am J Phys Anth*, Supp 66. AAPA Annual Meeting, Cleveland, OH, March 2019.
- 2018 Schroeder L, **RR Ackermann**. The hybrid phenotype of the “coywolf”: a new mammalian model for detecting hybridization in hominin evolution. Canadian Association for Physical Anthropology Annual Meeting, London, ON, October 2018.
- 2018 Hlazo N, T Ritzman, L Schroeder, **RR Ackermann**. The role of selection in shaping the craniomandibular morphology of *Paranthropus*. *Am J Phys Anth*, Supp 64. AAPA Annual Meeting, Austin, TX, April 2018.
- 2018 Powell L, **RR Ackermann**. Detecting migration and admixture in South African Holocene human crania. *Am J Phys Anth*, Supp 64. AAPA Annual Meeting, Austin, TX, April 2018.
- 2017 Gunbin K, Popadin K, L Peshkin, S Annis, Z Fleischmann, N Markuzon, Y Kraysberg, **RR Ackermann**, K Khrapko. Pseudogenes of mtDNA suggest repeated distant inter-species hybridization in evolution of the human lineage. Society for Molecular Biology and Evolution (SMBE) Annual Meeting, Austin Texas, July 2017.
- 2017 Warren KA, CJ Percival, T Ritzman, B Hallgrimsson, **RR Ackermann**. Of hybrid mice and hominins: disintegration key to understanding hominin hybrid morphologies. *Am J Phys Anth*, Supp 62. AAPA Annual Meeting, New Orleans, LA, April 2017.
- 2017 Humphreys RA, T Ritzman, KA Warren, CJ Percival, B Halgrimsson, **RR Ackermann**. Using a mouse model to understand the relationship between skeletal and soft tissue trait variation in mammalian hybrids. *Am J Phys Anth*, Supp 62. AAPA Annual Meeting, New Orleans, LA, April 2017.
- 2017 Ritzman TB, **RR Ackermann**. A three-dimensional geometric morphometric evaluation of shape variation in the hybrid baboon cranium. *Am J Phys Anth*, Supp 62. AAPA Annual Meeting, New Orleans, LA, April 2017.

- 2017 Hlazo N, TB Ritzman, RR Ackermann. An assessment of variation and its causes in the face of *Paranthropus*. *Am J Phys Anth*, Supp 62. AAPA Annual Meeting, New Orleans, LA, April 2017.
- 2017 Ackermann RR. The emergence of complexity and novelty in the human fossil record. Humility, Wisdom, and Grace in Deep Time Symposium. Supported by the John Templeton Foundation, Stellenbosch, South Africa, January 2017.
- 2016 Ackermann RR, K Warren, R Humphreys, L Schroeder, T Ritzman, C Percival, D Katz, S Kanthaswamy, T Weaver, J Rogers, JM Cheverud, B Hallgrimsson. Of mice and monkeys: quantitative models for the hybrid phenotype. European Society for Human Evolution (ESHE) Annual Meeting, Madrid, Spain, Sept 2016.
- 2016 Ackermann RR. Everything's coming up hybrids. Primate Ecology and Genetics Group (PEGG), Addo, South Africa, June 8-10.
- 2016 Ackermann RR, L Schroeder, K Warren, R Humphreys, T Ritzman, C Percival, C Percival, D Katz, S Kanthaswamy, T Weaver, J Rogers, JM Cheverud, B Hallgrimsson. The effects of hybridization on the skeleton of primates and other mammals. International Primatological Society Bi-annual Meeting, Chicago, Illinois, August 2016.
- 2016 Ackermann RR. Hybridization in human evolution. *Am J Phys Anth*, Supp 60. AAPA Annual Meeting, Atlanta, Georgia, April 2016.
- 2016 Humphreys R, T Ritzman, K Warren, CJ Percival, CC Roseman, B Hallgrimsson, RR Ackermann. Variation in the skeletal and ectodermal phenotype of mouse hybrids. *Am J Phys Anth*, Supp 60. AAPA Annual Meeting, Atlanta, Georgia, April 2016.
- 2016 Schroeder L, JE Scott, HM Garvin, MF Laird, M Dembo, D Radovčić, LR Berger, DJ de Ruiter, RR Ackermann. Skull diversity within the *Homo* lineage and the relative position of *Homo naledi*. *Am J Phys Anth*, Supp 60. AAPA Annual Meeting, Atlanta, Georgia, April 2016.
- 2016 Ritzman TB, RR Ackermann. An evaluation of integration in the hybrid baboon cranium. *Am J Phys Anth*, Supp 60. AAPA Annual Meeting, Atlanta, Georgia, April 2016.
- 2016 Warren KA, L Schroeder, T Ritzman, C Percival, B Hallgrimsson, RR Ackermann. Using extant taxa to model variation in hominin hybrid populations. *Am J Phys Anth*, Supp 60. AAPA Annual Meeting, Atlanta, Georgia, April 2016.
- 2016 DeRuiter D, et al. *Homo naledi*: a new species of hominin from the Dinaledi Chamber, South Africa. Palaeoanthropological Society Meeting, Atlanta Georgia.
- 2015 Schroeder L and RR Ackermann. The importance of adaption in driving diversification in *Homo*. *Am J Phys Anth*, Supp 58. AAPA Annual Meeting, St Louis, Missouri, March 2015.
- 2015 Warren K, T Ritzman, C Percival, B Hallgrimsson and RR Ackermann. Mouse models for identifying hybridization in the hominin fossil record: preliminary results. *Am J Phys Anth*, Supp 58. AAPA Annual Meeting, St Louis, Missouri, March 2015.
- 2014 Ackermann RR, L Schroeder, J Rogers, JM Cheverud (2014) Further evidence for cranio-dental anomalies in baboon hybrids. International Primatological Society Bi-annual Meeting, Hanoi, Vietnam, August 2014.

- 2013 Ackermann RR (2013) How do non-adaptive evolutionary processes shape the primate phenotype? Primate Ecology and Genetics Group (PEGG), Tsitsikamma, South Africa, June 20-23.
- 2013 Ackermann RR (2013) Crossing disciplines to challenge the adaptationist paradigm. *Am J Phys Anth*, Supp 54. AAPA Annual Meeting, Knoxville, Tennessee, April 2013.
- 2013 Black W, JC Sealy and RR Ackermann (2013) Dental connections between Late Pleistocene and Holocene Khoesan populations in southern Africa. *Am J Phys Anth*, Supp 54. AAPA Annual Meeting, Knoxville, Tennessee, April 2013.
- 2013 Campbell TJ and RR Ackermann (2013) Investigating the emergence of tuberculosis in South Africa. *Am J Phys Anth*, Supp 54. AAPA Annual Meeting, Knoxville, Tennessee, April 2013.
- 2013 Rossouw C and RR Ackermann (2013) Quantitative trait variation in purebred baboons and their hybrids. *Am J Phys Anth*, Supp 54. AAPA Annual Meeting, Knoxville, Tennessee, April 2013.
- 2013 Schroeder L and RR Ackermann (2013) Reconstructing phylogenetic relationships and evolutionary processes in early *Homo* evolution: genetic drift or selection? *Am J Phys Anth*, Supp 54. AAPA Annual Meeting, Knoxville, Tennessee, April 2013.
- 2013 Warren K, S Hall and RR Ackermann (2013) Dental variation in Iron Age populations of southern Africa. *Am J Phys Anth*, Supp 54. AAPA Annual Meeting, Knoxville, Tennessee, April 2013.
- 2012 Ackermann RR (2012) Non-adaptive processes shaping human evolution: what primates can tell us. Primate Ecology and Genetics Group (PEGG), Bloemfontein, South Africa, June 29-30.
- 2012 Sithaldeen R, JM Bishop, RR Ackermann (2012) Demographic history of the southern African chacma baboon (*Papio ursinus*). XXIV Congress of the International Primatological Society, Cancun, Mexico. 12-17 August.
- 2012 Schroeder L, K Carlson, D DeRuiter & RR Ackermann (2012) Mandibular variation in early *Homo* and *Au. sediba*. *Am J Phys Anth*, Supp 52. AAPA Annual Meeting, Portland, Oregon, April 2012.
- 2012 Black W & RR Ackermann (2012) Dental trait comparisons between Holocene Khoesan and Middle Stone Age populations in Southern Africa. *Am J Phys Anth*, Supp 52. AAPA Annual Meeting, Portland, Oregon, April 2012
- 2011 Ackermann RR (2011) Phenotypic signatures of hybridization in later generations: new evidence from baboons. Primate Ecology and Genetics Group (PEGG), Durban, South Africa, June 27-28.
- 2011 Ackermann RR (2011) The longevity of phenotypic signatures of hybridization in descendent populations. *Am J Phys Anth*, Supp 52. AAPA Annual Meeting, Minneapolis, Minnesota, April 2011.
- 2011 Sithaldeen R, JM Bishop & RR Ackermann (2011) The role of landscape in shaping contemporary genetic structure in the chacma baboon (*Papio ursinus*). *Am J Phys Anth*, Supp 52. AAPA Annual Meeting, Minneapolis, Minnesota, April 2011.
- 2011 Campbell T & RR Ackermann (2011) New evidence concerning the emergence of tuberculosis in South Africa. *Am J Phys Anth*, Supp 52. AAPA Annual Meeting, Minneapolis, Minnesota, April 2011.
- 2011 Schroeder L & RR Ackermann (2011) A re-evaluation of mandibular variation in early *Homo*. Paleoanthropology Society Meeting, Minneapolis, Minnesota, April 2011.

- 2010 Sithaldeen R, J Bishop, RR Ackermann (2010) Intraspecific phylogeography of the chacma baboon. Primate Ecology and Genetics Group (PEGG), Hogsback, South Africa, June 25-26.
- 2010 Black W & RR Ackermann (2010) Dental variation in Holocene humans from Kenya, East Africa. *Am J Phys Anth*, Supp 50. AAPA Annual Meeting, Albuquerque, NM, April 2010.
- 2010 Campbell T & RR Ackermann (2010) Evaluating the emergence of tuberculosis in South Africa. *Am J Phys Anth*, Supp 50. AAPA Annual Meeting, Albuquerque, NM, April 2010.
- 2010 Schroeder L & RR Ackermann (2010) Mandibular variation in southern African early *Homo*. *Am J Phys Anth*, Supp 50. AAPA Annual Meeting, Albuquerque, NM, April 2010.
- 2009 Ackermann RR (2009) Effects of hybridization on the craniofacial skeleton of primates and other mammals: Implications for interpreting extant and extinct diversity. Invited speaker for symposium entitled “Hybridization in Primates - Evidence, Extent, Evolutionary Impact and Problems.” Göttingen, Germany, October 7-10.
- 2009 Ackermann RR (2009) Cranial morphology of hybrid primates and other mammals. Primate Ecology and Genetics Group (PEGG), Pretoria, South Africa, June 26-27.
- 2009 Ackermann RR (2009) Of baboons, gorillas, squirrels and wildebeest: the morphology of hybrid mammals. *Am J Phys Anth*, Supp 48. AAPA Annual Meeting, Chicago, IL, April 1-4.
- 2009 Schroeder L, RR Ackermann & CC Roseman (2009) Evolutionary processes underlying variation in early *Homo*. *Am J Phys Anth*, Supp 48. AAPA Annual Meeting, Chicago, IL, April 1-4.
- 2009 Black W, RR Ackermann & JC Sealy (2009) Qualitative and quantitative analyses of the Holocene Khoesan dentition. *Am J Phys Anth*, Supp 48. AAPA Annual Meeting, Chicago, IL, April 1-4.
- 2009 Sithaldeen R, JM Bishop & RR Ackermann (2009) Intraspecific phylogeography of the chacma baboon reveals evidence for behavioural adaptation to local habitats. *Am J Phys Anth*, Supp 48. AAPA Annual Meeting, Chicago, IL, April 1-4.
- 2009 Black W, RR Ackermann & JC Sealy (2009) Variation in Holocene Khoesan dentition. Paleoanthropology Society Annual Meeting, March 21 & April 1, Chicago. IL.
- 2009 Williams FL, L Schroeder & RR Ackermann (2009) A morphometric analysis of the middle face in SK 847 and STW 53 in comparison to the maxillae of *Paranthropus*, *Australopithecus* and early *Homo*. *Am J Phys Anth*, Supp 48. AAPA Annual Meeting, Chicago. IL.

conference & symposium organization

- 2016 “Hybridization and human evolution: what can other organisms tell us?” Sponsored Wiley symposium, American Association of Physical Anthropologists Annual Meeting, Atlanta Georgia, 12-15 April. Organiser and Co-chair (with B Hallgrímsson).
- 2015 Primate Ecology and Genetics Group (PEGG) Annual Meeting, Cape Town, South Africa. Organiser and Co-chair (with R Sithaldeen).
- 2012 Palaeontological Society of South Africa (PSSA). Cape Town, South Africa, September. Organising Committee Member.

- 2008 Association of Southern African Professional Archaeologists (ASAPA) Biennial Conference. Cape Town, South Africa, 25-28 March. Organising Committee Member.
- 2007 Primate Ecology and Genetics Group (PEGG) Annual Meeting, Cape Town, South Africa, 16-17 June. Organiser and Co-chair (with PhD student Riashna Sithaldeen).
- 2005 Fifth International Bone Diagenesis Conference. Cape Town, South Africa, 29-31 August. Organising Committee Member.
- 2002 “Australopithecus to AMHS: Current paleoanthropological research in South Africa.” Symposium held at the American Association of Physical Anthropologists meeting in Buffalo, NY, 10-13 April. Organizer and Co-chair.

other significant presentations (last 15 years)

- 2018 Ancient sex and the production of human diversity. Royal Society of South Africa Lecture, SA Observatory, Cape Town.
- 2017 How and why humans differ: physical trait variation, race and racism. Tshisimani Centre for Activist Education, Mowbray, Cape Town.
- 2016 Neanderthal sex: tracking gene exchange in our ancestors. Centre for Extra-mural Studies Extension Lecture, University of Cape Town.
- 2016 New insights into the complex evolutionary history of our genus. Archaeological Society Lecture, SA Observatory, Cape Town.
- 2014 Of mice and monkeys: models for understanding non-adaptive processes shaping human evolution. Centre for GeoGenetics, Natural History Museum of Denmark, Copenhagen. May 2014.
- 2011 The role and relevance of hybridization in human evolution. Dept of Human Genetics, University of Cape Town Medical School.
- 2010 The role of hybridization in human evolution. Archaeological Society Lecture, SA Observatory, Cape Town
- 2010 The fossil record of human evolution: recent discoveries and their implications. Centre for Higher Education Development, UCT.
- 2009 Effects of hybridization on the craniofacial skeleton of primates and other mammals. Dept of Zoology, University of Cape Town.
- 2007 Primate hybrids and human evolution. Max Plank Institute for Evolutionary Anthropology, Leipsig, Germany.
- 2007 Linking pattern and process in primate and human evolution. Department of Anthropology, Dartmouth College, USA.
- 2006 Developmental divergence in primate and human evolution. Cross-University Brain and Behaviour Initiative (CUBBI), Cape Town, South Africa.
- 2006 Variation, integration, and diversity in primate evolution. University of Chicago, USA.

- 2005 Primate models for human evolution. MRC Centre for Molecular and Cellular Biology, University of Stellenbosch, South Africa.
- 2005 Still evolving: exploring the living evidence of human evolution. South African Museum (sponsor: Friends of the South African Museum) and at the Langebaanweg Fossil Park.
- 2004 Recent hominid discoveries and their implications for early human ancestry. Earth Science Club of Northern Illinois (ESCONI), at the College of DuPage, Illinois, USA. Invited lecture for seminar series.
- 2003 Invited plenary discussant, Africa Human Genome Initiative. Stellenbosch, South Africa. Plenary Speaker: Prof Chris Stringer. Chair: Prof Philip Tobias.
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