

Chris Stantis | CV

Education

University of Otago <i>PhD, Defended with no required changes</i>	Dunedin, NZ 2012–2015
Durham University <i>MSc Paleopathology, Graduated with Merit</i>	Durham, UK 2010–2011
Auburn University <i>BA Anthropology, Graduated Magna Cum Laude</i>	Auburn, AL 2005–2009

Experience

Smithsonian Institute <i>Research Fellow</i> Fellowship to investigate health risks from mining-related activities in ancient Peru using archaeological chemistry. Mentor Dr Sabrina Sholts.	June 2021 – May 2022
Poole Hospital <i>COVID-19 Tester</i> Helping the local hospital run real-time reverse transcriptase PCR (rRT-PCR) tests for Sars-COV-2 infection. Lab Manager Dr Anna Mantazourou.	May 2020 – Dec 2020
Bournemouth University <i>Postdoctoral Researcher</i> 'The Hyksos Enigma,' a European Research Council Advanced Grant. Main research contribution is the use of stable isotopes analysis to investigate patterns of mobility and migration between Egypt and the Near East and to reconstruct dietary patterns and subsistence practices, but team lead for coordinating all destructive analyses of human remains. Key in project management of the bioarchaeological research team, including agile-like work practices to make sure different research strands are tied together for streamlining outcomes, as well as leading financial management. Supervisor Professor Holger Schutkowski.	2017–2020
University of Otago <i>Research Assistant</i>	2017
University of Otago <i>Research Assistant</i>	2015

Publications

Articles

forthcoming: Buckley HR, Petchey P, Kinaston RL, King C, Geber J, Matisoo-Smith E, Snoddy AM, **Stantis C**, Kendall E, Nowell GM, and Gröcke DR. "'Buried with his boots on' – uncovering the story of a liminal burial from the New Zealand goldrushes"

in review: Stantis C, Maaranen N, Kharobi A, Nowell GM, Macpherson C, Doumet-Serhal C, and Schutkowski H. "Sidon on the Breadth of the Wild Sea: Movement and Diet on the Mediterranean coast in the Middle Bronze Age" Submitted to American Journal of Physical Anthropology.

in review: Stantis C, Bourke S, Maaranen N, Kharobi A, Nowell GM, Macpherson C, and Schutkowski H. "Jordanian migration and mobility in the Middle Bronze Age (c. 2100—1550 BCE) at Pella" Submitted to International Journal of Osteoarchaeology.

in review: Stantis C. "Isotopic data for bioarchaeological samples from Polynesia (pre-Contact and modern periods) " Submitted to Data in Brief.

submitted: Stantis C, Maaranen N, Peterkin J, Nowell GM, Macpherson C, and Schutkowski H. "Bioarchaeological observations from Tell Fadous-Kfarabida". Submitted to BAAL: bulletin d'archéologie et d'architecture libanaises.

submitted: Maaranen N, **Stantis C**, Schieb C, Charaf H, Nowell GM, MacPherson C, Peterkin J, and Schutkowski H. "Some preliminary notes on the humans remains from Arqa using stable isotopes and dental morphology." Submitted to BAAL: bulletin d'archéologie et d'architecture libanaises.

2021: Kharobi A, **Stantis C**, Maaranen N, Nowell GM, and Schutkowski H. "Once were warriors: challenging occupation preconceptions in Lebanese weapon-associated burials" International Journal of Osteoarchaeology, early view online.

2021: Stantis C, Kharobi A, Maaranen N, Macpherson C, Bietak M, Prell S, and Schutkowski H. "Multi-isotopic study of diet and mobility in the northeastern Nile Delta" *Archaeological and Anthropological Sciences*, 13:105.

2021: Stantis C, Buckley HR, Commendador A, and Dudgeon J. "Expanding on incremental dentin methodology to investigate childhood and infant feeding practices on Taumako (southeast Solomon Islands)." *Journal of Archaeological Sciences*, 126: 105294.

2020: Stantis C, Kharobi A, Maaranen N, Nowell GM, Bietak M, Prell S, and Schutkowski H. "Who were the Hyksos? Challenging traditional narratives using strontium isotope ($^{87}\text{Sr}/^{86}\text{Sr}$) analysis of human remains from ancient Egypt." *PLOS ONE*, 15(7): e0235414.

2020: Stantis C, Schutkowski H, and Sołtysiak A. "Reconstructing breastfeeding and weaning practices in the Bronze Age Near East using stable nitrogen isotopes." *American Journal of Physical Anthropology*, 172(1): 58–69.

2020: Clark AL, **Stantis C**, Buckley HR, and Tayles, N. "Oral health of the prehistoric Rima Rau Cave burials, Atiu, Cook Islands." *Journal of the Royal Society of New Zealand*, 50(1): 158–177.

2019: Stantis C, Nowell GM, Prell S, and Schutkowski H. "Animal proxies to characterize the strontium biosphere in the northeastern Nile Delta." *Bioarchaeology of the Near East*, 13: 1–13.

2018: Clark AL, King CL, Buckley HR, Collins CJ, Dhavale N, Elliot GE, Gosling A, Halcrow SE, Ivory B, Mastisoo-Smith E, McDonald SK, **Stantis C**, Tromp M, Ward S, West K. "Biological Anthropology in the Indo-Pacific Region: New Approaches to Age-Old Questions." *Journal of Indo-Pacific Archaeology*, 41: 78–94.

2016: Stantis C, Buckley HR, Kinaston RL, Nunn PD, and Richards MP. "Isotopic evidence of mobility and diet in a prehistoric/protohistoric Fijian coastal environment (c. 750–150 BP)." *American Journal of Physical Anthropology*, 159(3): 478–495.

2015: Stantis C, Kinaston RL, Richards MP, Davidson JM, and Buckley HR. "Assessing diet and movement in the Tongan maritime chiefdom using isotopic analyses." *PLoS ONE*, 10, e0123156

2013: Kendall EJ, Montgomery J, Evans JA, **Stantis C**, and Mueller V. 2013. "Mobility, mortality, and the Middle Ages: Identification of migrant individuals in a 14th century Black Death cemetery population." *American Journal of Physical Anthropology* 150(2):210–222.

2012: Shuler KA, Hodge SC, Danforth ME, Funkhouser LJ, **Stantis C**, Cook DN, and Zeng P. "In the shadow of Moundville: A bioarchaeological view of the transition to agriculture in the central Tombigbee valley of Alabama and Mississippi." *Journal of Anthropological Archaeology* 31(4):586-603.

Book chapters.....

forthcoming: Stantis C and Kendall E. "Isotopes in paleopathology" In: *Handbook of Paleopathology*, Grauer AG, editor. London, United Kingdom: Routledge

in review: Kharobi A, Maaranen N, **Stantis C**, Zakrzewski S, Schutkowski H. "Contribution of Bioanthropology to defining the Hyksos population in the Eastern Delta: Preliminary findings" In: *The Enigma of the Hyksos v III*, Bietak M, and Prell S, editors. Wiesbaden, Germany: Harrassowitz Verlag

2019: Stantis C and Schutkowski H. "Stable Isotope Analyses to Investigate Hyksos Identity and Origins " In: *The Enigma of the Hyksos*, Bietak M, and Prell S, editors. Wiesbaden, Germany: Harrassowitz Verlag. p 321-338.

2019: Maaranen N, Schutkowski H, Zakrzewski S, **Stantis C** and Zink A. "The Hyksos in Egypt: A Bioarchaeological Perspective " In: *The Enigma of the Hyksos*, Bietak M, and Prell S, editors. Wiesbaden, Germany: Harrassowitz Verlag. p 311-316.

2015: Stantis C, Tayles N, Kinaston RL, Cameron C, Nunn PD, Richards MP, and Buckley HR "Diet and subsistence in Remote Oceania: an analysis using oral indicators of diet." In: *The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific*, Oxenham, M. F. and Buckley, H. R., editors, London, United Kingdom: Routledge.

Book reviews.....

in press: "Bioarchaeology of Marginalized People Mant ML, and Holland AJ, editors." Archaeological Review from Cambridge

Other.....

2021: "Stable Isotopes for Archaeology: Data Visualization" on GitHub.

2020: Stantis, C. and Mourad, A-L. "The Foreigner as Scapegoat: Lessons from Ancient Egypt and Today" Invited guest blog for ChrisNaunton.com

2019: "How breastfeeding sparked population growth in ancient cities" Originally published in *The Conversation*, also covered by groups such as Newsweek, Irish Sun, Yahoo News, and Canada Standard using the CC-BY license.

2015: "Diet and Migration in Remote Oceania." PhD thesis. University of Otago, Department of Anatomy.

2011: "Reconstructing a Catastrophic Climate: Climate Change in 14th Century London Using Stable Oxygen Isotopes" MSc dissertation. Durham University, Department of Archaeology.

Teaching

Bournemouth University

Courses Taught

2019–2020

Ancient People and Places, Archaeological Science, Cultural Ecology

Master's supervision for Georgina Compton.

PhD Student Review Panel: PhD panel review member to help address Samantha de Simone's research progress, training needs, and confirm the Supervisory Team meets the student's needs.

University of Otago

Senior Demonstrator

2012–2015

Assist undergraduates in understanding practical material presented in lab sessions for Introduction to Biological Anthropology, Biological Anthropology of the Human Skeleton, Physical Education Anatomy

Academic Citizenship

Service to the Discipline

2021–present: Treasurer, Paleopathology Association

In addition to treasury duties, also organizing PPA Online Webinar Series, including topics such as *Paleopathology in a Digital World* and *Colonialism and Bioarchaeology*

2019–present: Communications Officer, IsoArch Association Executive Board

2021: Member of organizing committee for BANEA (The British Association of Near Eastern Archaeology) for 2021 annual conference in Bournemouth

Reviewer Scientific Reports - Nature, Antiquity, Data in Brief, Journal of Archaeological Science, PLOS ONE, International Journal of Paleopathology, Quaternary Science Reviews, Bioarchaeology of the Near East, Environmental Archaeology: The Journal of Human Palaeoecology, Journal of Anthropological Archaeology

2013–2015: Co-Chair, Paleopathology Association Student Group

2013–2015: Student Liaison to the Executive Committee, American Association of Physical Anthropologists

2014–2015: Co-Chair, Student Committee of the American Association of Physical Anthropologists

Service to the University

2019–2020: University Research Staff Representative, advise on and influence BU policy and projects relating to BU research staff across the university

2018–2020: LGBT+ Staff Network, member

2019–2020: ACORN funding panel, university funding for early career researchers

2018–2020: Research Concordat Steering Group, member

2019 Jan: Industrial Strategy Creative Challenge judge alongside Vice-Chancellor Professor John Vinney, Conor Burns (MP). Challenged secondary school students to propose creative solutions to UK's current infrastructure problems.

Service to the Faculty & Department

2019: Quality-related (QR) funding panel, Panel member for departmental QR funding.

2018–2019: Faculty Research Staff Representative, advise on and influence BU policy and projects relating to BU research staff in the Faculty of Science and Technology

2017–2019: Organizer, Centre for Archaeology and Anthropology seminars

2013: Interview panel for a functional/clinical anatomy professor position

2012–2014: Organizer, Biological Anthropology Research Group Journal Club

2012: Co-organizer, Anatomy Department Postgraduate Journal Club

2012: Interview panel for a functional/clinical anatomy lecturer position

2012: Interviewed by panel for the Department of Anatomy (University of Otago) Review

Conference Presentations (First author only)

2021 Apr 15: C Stantis, A Kharobi, N Maaranen, H Schutkowski. "Once were warriors: challenging occupation preconceptions in Lebanese weapon-associated burials". Paleopathology Association Annual Meeting. Online.

2020 Apr 18: C Stantis, GM Schwartz, GM Nowell, EK Batey, N Maaranen, H Schutkowski. "Life Course Perspective of the Elite Burials of Early Bronze Age Umm el-Marra, Syria". Annual Meeting of the American Association of Physical Anthropologists. Los Angeles, California, USA *Cancelled due to COVID-19.

2020 Apr 15: C Stantis, A Kharobi, H Schutkowski. "Once were warriors: challenging occupation preconceptions in Lebanese weapon-associated burials". Paleopathology Association Annual Meeting. Los Angeles, California, USA *Cancelled due to COVID-19.

2019 Dec 5: C Stantis and H Schutkowski. "Can a Multi-isotopic Approach Identify Migration in the Second Intermediate Period?" Changing Clusters and Migration in the Near Eastern Bronze Age. Workshop of the ERC Advanced Grant "The Enigma of the Hyksos" Vienna, Austria.

2019 Sept 14: C Stantis and H Schutkowski. "Can a Multi-isotopic Approach Identify Migration in the Second Intermediate Period?" Poster. British Association for Biological Anthropology and Osteoarchaeology. London, England.

2019 Jun 25: C Stantis. "A Multi-isotope Approach to Identifying Migration in the Second Intermediate Period". Broadening Horizons 6. Berlin, Germany

2019 Mar 29: C Stantis, H Schutkowski. "Migration into Egypt during the Second Intermediate Period". Annual Meeting of the American Association of Physical Anthropologists. Cleveland, Ohio, USA

2019 Mar 26: C Stantis, N Maaranen, A Kharobi, H Schutkowski. "Townscapes: Reflections on Middle Bronze Age Life in Sidon (Lebanon)". Paleopathology Association Annual Meeting. Cleveland, Ohio, USA.

2018 Sept 16: C Stantis, H Schutkowski, A Sołtysiak. "Reconstructing breastfeeding and weaning practices in Bronze Age Near East using stable nitrogen isotopes." British Association for Biological Anthropology and Osteoarchaeology. Cranfield, England.

2018 Apr 6: C Stantis, H Schutkowski. "Bioarchaeological Investigations of Hyksos Identity and Origins." The 11th International Congress on the Archaeology of the Ancient Near East. Munich, Germany.

2017 Mar 30: C Stantis, HR Buckley, A Commendador, J Dudgeon. "Using stable isotopes to identify childhood and infant feeding practices in prehistoric Taumako." Annual Meeting of the Society for American Archaeology. Vancouver, Canada.

2015 Mar 27: C Stantis, RL Kinaston, M Richards, and HR Buckley. "Exploring childhood diet of survivors and non-survivors in prehistoric Tonga (c. 500–150 BP) using isotopic analyses." Annual Meeting of the American Association of Physical Anthropologists. St. Louis, Missouri.

2015 Mar 25: C Stantis, S Halcrow, RL Kinaston, M Richards, and HR Buckley. "Mobility, diet, trauma, and disease in prehistoric Fiji." Annual North American Meeting of the Paleopathology Association. St. Louis, Missouri, USA.

2014 Sept 25: C Stantis. "Mobility in prehistoric Tongatapu" Pacific Voices XI: Pacific Postgraduate Symposium. Dunedin, New Zealand.

2014 Apr 12: C Stantis, HR Buckley, and N Tayles. "Nonmetric dental trait markers in prehistoric

Polynesians: A descriptive analysis." Poster. Annual Meeting of the American Association of Physical Anthropologists. Calgary, Alberta, Canada.

2014 Jan 14: C Stantis, M Richards, R Kinaston, and HR Buckley. "Diet, mobility, and social status in prehistoric Tonga." 20th Congress of the Indo-Pacific Prehistory Association. Siem Reap (Angkor), Cambodia.

2013 Apr 13: C Stantis. "Bioarchaeological analysis of dental health and diet in Tonga." Poster. Annual Meeting of the American Association of Physical Anthropologists. Knoxville, Tennessee, USA.

2012 Dec 03: C Stantis. "Bioarchaeological analysis of dental health and diet in Tonga." Australasian Society for Human Biology Annual Scientific Conference. Port Vila, Vanuatu.

2012 Nov 07: C Stantis. "Diet and Migration in Prehistoric Polynesia: A Bioarchaeological Approach." Otago International Health Research Network Annual Conference. Dunedin, New Zealand.

2012 Apr 12: C Stantis. "Paleoclimatological reconstruction using $\delta^{18}\text{O}$ analysis in incremental sections of human dentine: a preliminary study using a catastrophic cemetery sample." Annual Meeting of the American Association of Physical Anthropologists. Portland, Oregon, USA.

2011 Sep 03: C Stantis. "Isotopic Analysis of Food Pathway Variance in Neolithic Japan." Poster. British Association for Biological Anthropology and Osteoarchaeology. Edinburgh, Scotland.

2009 Apr 06: C Stantis. "Assessment of Health in Children from Prehistoric Communities in Eastern Mississippi." Auburn University Undergraduate Research Forum. Auburn, Alabama, USA.

2008 Nov 14: C Stantis and C Dansereau. "Macroscopic Examination of Porotic Hyperostosis in Late Woodland and Mississippian Cultures from the Tenn-Tom Waterway Area." Southeastern Archaeological Conference. Charlotte, North Carolina, USA.

2008 Apr 21: C Stantis. "An Examination of 19th Century Land Surveys in Elmore County, Alabama." Auburn University Undergraduate Research Forum. Auburn, Alabama, USA.

2008 Mar 21: C Stantis. "Examination of 19th Century Land Surveys in the Tallapoosa River Valley." Alabama Academy of Science. Birmingham, Alabama, USA.

Community Engagement and Media Coverage

2020 Dec 28: "Merry Hyksmas! With Chris Stantis" The Dirt Podcast.

2020 Mar 9: "How may isotopic analyses help us understand who Egypt's Hyksos Dynasty were?" *The Arch and Anth Podcast*.

2019 Oct: "Unearthing the past: bioarchaeology techniques lead to a new understanding of Egyptian history" *Bournemouth Research Chronicle*

2019 Aug 28: "From Russia with Love: FST's Chris Stantis makes valuable research connections with Arctic and sub-Arctic specialists." *BU Research Blog*

Retrieved from: <<https://blogs.bournemouth.ac.uk/research/2019/08/28/>>

2019 Aug 8: Community Open Day, in collaboration with Solovetsky Museum. Bolshoy Solovetsky Island, Russia

2019 Jul 28: "A career in isotopes." *Career in Ruins Podcast*.

2019 Apr 11: Department of Anthropology (Das Wiener Naturhistorische Museum, Vienna, Austria) Tag der offenen Tür (Open Day)

2019 Apr 2: B Bower. "Foreigners may have conquered ancient Egypt without invading it" *Science*

News Retrieved from: <<https://www.sciencenews.org/article/mysterious-hyksos-dynasty-conquered-ancient-egypt-marriage>>

2018 Sept 29: Soapbox Science at Bournemouth's city square

2018–2019: Skype a Scientist, including outreach in Poland and Texas

Invited Talks

2021 Jul 19: "Isotopic approaches to exploring mobility across the Levant" ARWA – The International Association for Archaeological Research in Western & Central Asia Online Series.

2020 Oct 12: "Tooth be Told: Bioarchaeological perspective on migration and life in Bronze Age Near East" Near Eastern Seminar Series, Sydney, Australia.

2020 Oct 6: "Revealing the secrets of ancient Egypt through Bioarchaeology" Café Scientifique Online.

2019 Apr 15: "The Hyksos Enigma: Researching the 15th dynasty of ancient Egypt" Bournemouth University Public Lecture Day. Bournemouth, United Kingdom.

2019 Apr 11: "Tell el-Dab'a and the 15th Dynasty of Ancient Egypt: Stable Isotopes Research" Das Wiener Naturhistorische Museum, Vienna, Austria.

2019 Feb 1: "Bioarchaeological Investigations into the Hyksos Enigma" Durham University, Durham, United Kingdom.

2018 Mar 5: "Who were the Hyksos? Origins, ethnicity, and culture in ancient Egypt" Oxford University, Oxford, United Kingdom.

2018 Feb 1: "In search of the Hyksos: Research Track 7 Human Remains" Australian Institute of Archaeology, Melbourne, Australia.

2018 Jan 23: "Who were the Hyksos? The bioarchaeological evidence" The University of Sydney, Sydney, Australia.

2017 Oct 10: "Growing up on an island in between: childhood diet on a Polynesian Outlier" Bournemouth University, Bournemouth, United Kingdom.

2016 Oct 4: "Taumako, a Polynesian Outlier" Idaho State University, Pocatello, Idaho.

2016 Sept 5: "This is Auburn Anthropology: Biological Anthropology" Auburn University, Auburn, Alabama.

2016 Apr 21: "Life in a tropical 'paradise': subsistence and survival in prehistoric Polynesia" University of Nevada Reno, Reno, Nevada.

2016 Apr 04: "What did Tongan children eat in the past? Investigating diet using stable isotope analyses" Texas A&M, College Station, Texas.

2016 Mar 18: "Where are the children in history? A Tongan case study." University of Alabama Huntsville, Huntsville, Alabama.

2016 Mar 14: "Life in a tropical 'paradise': life and death in prehistoric Polynesia" University of Alabama Huntsville, Huntsville, Alabama.

2016 Feb 25: "Integrating Stable Isotope Analyses in Paleopathology Research." Loyola University Chicago, Chicago, Illinois.

Funding Awarded

2020: Shohet Scholars Grant Program of the International Catacomb Society (20,000 USD)

2020: Peter Buck Fellowship, Smithsonian Institute
2019: Bournemouth University Open Access Funding Award (2,800 GBP)
2019: British Council, Researcher Links Workshop (UK-Russia) and Remote Internship
2019: Quality-related research funding, Faculty of Science and Technology (1,098 GBP)
2017: ACORN fund Bournemouth University (1,000 GBP)
2015: Maurice and Phyllis Paykel Trust (800 NZD)
2015: William S. Pollitzer Student Travel Award (500 USD)
2014: Department of Anatomy Departmental Travel Funding (500 NZD)
2014: New Zealand Federation of Graduate Women (2,000 NZD)
2013: Skinner Fund of the Royal Society of New Zealand (1,500 NZD)
2012–2015: University of Otago Doctoral Scholarship (25,000 NZD per annum + tuition)
2012: Department of Anatomy Departmental Travel Funding (2,000 NZD)
2012: Division of Health Sciences Postgraduate Travel Funding (2,000 NZD)
2011: Rosemary Cramp Fund (300 GBP)
2011: Ustinov College Travel Fund (100 GBP)
2010: Binchester Field School (6000 USD)
2010: Department of Archaeology Bursary, Durham University (2000 GBP)
2005–2009: Freshman Academic Scholarship, Auburn University (Tuition)
2005–2008: COSAM Scholarship, Auburn University (1500 USD per annum)

Skills

Software: R, SPSS, Stata, Filemaker Pro, Analyst, Multiquant, \LaTeX , Microsoft Office, Open Office, Windows and Mac OS X

General: Project management of small, research-driven work groups using agile practices, streamlining research data with cloud based solutions, confident in public speaking, cooperates and shares credit with others, handles small details and time-sensitive goals

CV made for Github Sept 2021