

Curriculum Vitae

Timothy James Upton Thompson

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Nat: British | Date of Birth: 20 - 12 - 1976



Current Employment

Oct 2019 to date	Associate Dean (Academic) School of Health & Life Sciences, Teesside University.
Jan 2015 to date	Professor of Applied Biological Anthropology Teesside University.
Aug 2016 to Sept 2019	Associate Dean (Learning & Teaching) School of Science, Engineering & Design, Teesside University.
June 2011 to Dec 2014	Reader in Biological & Forensic Anthropology, School of Science & Engineering, Teesside University.
May 2011 to June 2020	Managing Director of 'anthronomics ltd'.
Feb 2007 to May 2011	Senior Lecturer in Crime Scene Science, School of Science & Engineering, Teesside University.

Current selected administrative duties include:

- » Teesside University Student Learning and Experience Committee (Jan 2017 to date; Deputy Chair, Sept 2017 to date).
- » External Examiner Conferment Committee (Chair, Aug 2019 to date).
- » Recognising Excellence in Learning and Teaching Committee (Chair, Sept 2018 to date).
- » University Research Ethics & Integrity Committee (Chair, Jan 2012 to Aug 2019; Member, Sept 2010 to Jan 2012).
- » Teesside University Research and Innovation Committee (Jan 2017 to date).
- » Teesside University Postgraduate Research Assessment Board member (Oct 2009 to Aug 2019; Chair, July 2015 to Dec 2016; Deputy Chair, Feb 2014 to July 2015).
- » University lead for Academic Excellence Framework institutional project (2017 to date).
- » University academic lead for Institutional and Subject-level TEF submissions (2018 to date).
- » Athena Swan University Self-Assessment Team member (Sept 2014 to date) and School Senior Champion (Sept 2018 to date).
- » Teesside University Foundation Year Working Group (2018 to 2020).
- » Teesside University Accelerated Degree Working Group (2018 to 2020).
- » Teesside University Contracting to Cheat Working Group (Sept 2018 to June 2019).
- » Teesside University PREVENT Strategy Working Group (Sept 2017 to Aug 2019).
- » Steering Group member, Learning for the 21st Century Grand Challenge (2017 to date).
- » Chair, Advisory Group for the HEFCE-funded Student Safeguarding Project (May 2017 to April 2018).
- » Academic Strategy Working Group member (Sept 2014 to Sept 2015).
- » School Research Ethics Committee member (Sept 2008 to date – Chair, 2009 to 2012).
- » School Research Degrees Committee member (Oct 2008 to Aug 2012 – Chair, 2009-2011).
- » School Policy Committee member (Oct 2009 to Jan 2012); School Academic Standards Committee member (Oct 2009 to Jan 2012); University Research Policy Committee member (Jan 2012 to 2015); Academic Quality and Standards Policy Committee (July 2015 to July 2017).
- » Forensic Biology Research Kernel leader (2007-2009).
- » Degree Leader for: Mass Fatalities Management & Victim Identification (2009-2011).
- » Sample Modules I contribute to: Forensic Medicine; Forensic Biology; Forensic Ecology.

PhD Supervision:

- » Chrysostomou, Popi (2013-2020) Methodological approaches for the sorting of commingled remains. F/T Distance.
- » Adamson, Kent Matthew (2016-2021) Degraded and degrading: Understanding diagenetic processes in commingled graves from contexts of mass violence. F/T. Funded by a Teesside University Doctoral Scholarship.
- » Crowther, Matthew (2017-2021) Non-contact scanning of forensic evidence. F/T. Funded by University Graduate Tutor Scheme.
- » Williams, Rhys (2017-2021) Diagenetic changes in human bone from Vindolanda. F/T. Funded by University Graduate Tutor Scheme. *2nd Supervisor.*
- » Rebecca Strong (2019-2022) The evaluation of GMM on the analysis of traumatic lesions in forensic and archaeological contexts. F/T.
- » Shamata, Awatif (2015-2019) 3D non-contact surface scanning of traumatic injuries of the soft tissues. F/T. Funded by the Libyan Government. *Passed.*
- » Ulguim, Priscilla (2014-2019) Understanding the funerary practice of cremation in the southern Brazilian highlands: A study regarding the application of advanced analytical methods and techniques in archaeological contexts. F/T. Funded by CAPES. *Passed.*
- » Olakanye, Ayodeji (2012-2018) Microbial forensics: the application to grave location. F/T. *2nd Supervisor. Passed.*
- » Griffiths, Sam (2013-2017 – University of Southampton) The effect of submersion in water on bone. F/T. Funded by a University of Southampton Doctoral Scholarship. *2nd Supervisor. Passed.*
- » Errickson, David (2012-2015) The application of laser scanning in forensic anthropology. F/T. Funded by the EWS Educational Trust. *Passed.*
- » Ellingham, Sarah (2012-2015) The advanced analysis of burned bone from forensic and archaeological contexts. F/T. Funded by private donation to the University. *Passed.*
- » Butler, Mark (2008-2013) Mapping and exploring volume crime scene practise to inform learning and teaching: A study in a North East United Kingdom Police Service. P/T. *Passed.*
- » Garrido-Varas, Claudia (2009-2013) An investigation into bilateral asymmetry of the skeleton and its use in physical and forensic anthropology. F/T. Funded by Becas, Chile grant and sponsored by Servicio Medico Legal, Ministry of Justice, Government of Chile. *Passed.*
- » Gonçalves, David (University of Coimbra, Portugal) Bioanthropological analysis of burned bones. F/T. *2nd Supervisor. Passed.*
- » Starkie, Alexandra (2008-2011) The use of body modification in human identification. F/T. Funded by The Leverhulme Trust grant F/00 762/C. *Passed.*

Research Masters Supervision:

- » DeBattista. R. (2010-2011) The effect of decomposition on fibre retention and recovery. MRes (Sci). F/T. *2nd Supervisor. Pass with Distinction.*
- » Wright, Julie (2009-2011) Body modification: The potential of piercing artefacts in human identification. MRes (Sci). P/T. *Pass with Distinction.*
- » Lipscomb, Vikki (2009-2011) Imaging diagenesis of bone from the soil. MRes (Sci). P/T. *Pass.*

Selected Staff Development courses/training to date:

- » AdvanceHE Promoting Standards and Consistency in Fellowships Judgements; Associate Deans Leadership Development programme (Leadership Foundation for Higher Education); Equality and Diversity; Managing Conflict and Grievances; Research supervision training (20 M-level credits - Pass); Media training; Bid writing; Ethics; Introduction to enterprise; CRM; Research ethics in-depth; Use of Twitter and Wordpress in teaching and learning.

Previous Employment

Apr 2004 to Feb 2007 Lecturer in Forensic Anthropology, Unit of Anatomy and Forensic Anthropology, College of Life Sciences, University of Dundee.

Previous administrative duties include:

- » BSc (Hons) in Forensic Anthropology: Established and developed degree; Degree Convener; UCAS Admissions Tutor; Advisor of Studies; Module Convener/Leader; lecture/lab/seminar provision.
- » MSc in Human Identification: Established and developed degree; Degree Convener & Admissions Tutor (2005-2006); lecture/lab/seminar provision; dissertation supervision.
- » MSc Advanced Practice (Diagnostic Imaging): degree and lecture provision.
- » Module Leader for: Introduction to Human Anatomy; Introduction to Forensic Anthropology; Biological Identity; Sex Determination; Age Determination; Personal Identity; Pathology and Trauma; Time-Death Interval; The Law, the Police and the Mortuary; The Context of Human Identification.

Selected Consultancy and Training Provision

June 2020	External assessor for Unit of Assessment 3 REF outputs, University of Central Lancashire.
May 2020	'Guidance for forensic science teaching and learning in the 2020-2021 academic year' policy document and position statement in response to COVID-19. Chartered Society of Forensic Sciences.
Dec 2019	'Fundamentals of forensic archaeology and anthropology' 3.5-day training. International Committee of the Red Cross. Abkhazia and Georgia.
Nov 2019; Apr 2020	'Forensic Archaeology and Anthropology' 6-week online training course with Durham University and the ICRC. 12,000+ learners. Future Learn: https://www.futurelearn.com/courses/forensic-archaeology-and-anthropology .
June 2019	Oral presentation of independent scientific advice on behalf of the European Human Rights Advocacy Centre to the Committee on Legal Affairs and Human Rights of the Parliamentary Assembly of the Council of Europe, Strasbourg.
Mar 2019	Teaching Excellence Alliance Peer Review College consultant for the development to Foundation Year provision, University of South Wales. 1-day facilitation event.
Oct 2018	'Application of Forensic Archaeology and Anthropology to Mass Grave Scenarios' 1-day training. European Human Rights Advocacy Centre.
Oct 2018	Presentation of oral evidence to the House of Lords Science and Technology Committee regarding the Forensic Science Inquiry.
May 2018	Consultant for Department of Archaeology, Durham University. 2.5 days feasibility study on new taught postgraduate provision.

Jan 2018	'New Directions in Forensic Anthropology' 3-day training. International Committee of the Red Cross. Commission on Missing Persons Cyprus. Nicosia, Cyprus.
Feb-Apr 2017	Provided scientific advice to Blindfire Limited for the development of the 'True Legacy' video game.
Nov 2015	Publication of standards for the use of structured light scanning by the Archaeology Data Service: Errickson, D., Thompson, T. and Rankin, B. An Optimum Guide for the Reduction of Noise using a Surface Scanner for Digitising Human Osteological Remains. http://guides.archaeologydataservice.ac.uk/g2gp/CS_StructuredLight
July 2009 to date	'Body location and recovery in forensic contexts' 4.5-day short course. HEFCE Pathfinder funded. In collaboration with Dr Becky Gowland, Department of Archaeology, Durham University.
Feb 2007 to date	Forensic Anthropologist, Teesside University. Duties include: anthropological analysis of skeletal material, advice to police and judiciary.
Feb 2006	'Workshop on forensic anthropology', Department of Forensic Medicine, University of Helsinki. Invited lecturer on international workshop.
Apr 2004 to Feb 2007	Forensic Anthropologist, University of Dundee. Duties include: anthropological analysis of skeletal material, advice to police and judiciary.
Oct 2003 to Feb 2004	Consultant, Kenyon International Emergency Services, Inc. Duties include: Compiling the UK Manual for Deployment (including writing chapters, editing submitted chapters), revising old and creating new operational databases, and writing articles for publication. Organising first international conference in UK.
Dec 2001 to Nov 2003	Junior Forensic Anthropologist, Department of Forensic Pathology, University of Sheffield. Duties include: Anthropological analyses and creation of osteological profiles, compiling statements, providing information and advice to the police.
June 2000	Junior Forensic Anthropologist, Foreign and Commonwealth Office. Deployed to Kosovo to aid in the collection of evidence of war crimes. Duties included: human identification, excavation of human remains, supervision of grave site.
Jan 2000 to date	Consultant, <i>Kenyon International Emergency Services, Inc.</i> Duties include: Victim repatriation, repatriation of personal effects and general admin support. Deployments include: Solway Harvester, Isle of Man; Gulf Air, Bahrain; GNER, Selby; Scandinavian Airways, Milan; and Phuket, Thailand; as well as training other consultants in deployment procedures and protocol.

Academic Qualifications

Sept 2000 to Nov 2003	PhD, Departments of Forensic Pathology and Archaeology, University of Sheffield, "An experimental study of the effects of heating and burning on
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the hard tissues of the human body, and its implications for anthropology and forensic science". *Pass*.

- Sept 2001 to June 2003 Post-Graduate Certificate in Higher Education, Staff Development Unit, University of Sheffield. *Pass*
- Sept 1998 to Sept 1999 MSc in Forensic Anthropology, Department of Archaeological Sciences, University of Bradford. Dissertation: "A preliminary investigation into the influence of burning on the ability to sex the pelvis". *Pass with Distinction*.
- Sept 1995 to June 1998 BSc (Hons) in Archaeological Science and Geography, Departments of Archaeology and Geography, University of Sheffield. *Class 2 (i)*.

Current Research

My main areas of research focus on the human body and how it changes, particularly in the modern context. Here, most of my research examines the effects of burning on the skeleton and the development of new analytical tools to examine this challenging biomaterial. I also have research lines investigating new ways of visualising the body and forensic evidence, and issues associated with commingled remains. I am interested in the relationship between the biological and social body (again particularly in the modern context), and the role of forensic anthropology/ists in the world at large (particularly in terms of training and education). Various projects are currently underway in all of these areas, involving leading researchers in a variety of UK and overseas academic institutions.

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Academic Publications – Books

- Errickson, D. and Thompson, T.J.U. (eds.) (2017) Human remains – another dimension: The application of imaging to the study of human remains. Elsevier: GB.
- Thompson, T.J.U. (ed.) (2015) The Archaeology of cremation: Burned human remains in funerary studies. Oxbow Books.
- Gowland, R. and Thompson, T.J.U. (2013) Human identity and identification. Cambridge University Press.
- Thompson, T.J.U. and Black, S.M. (eds.) (2007) Forensic human identification: an introduction. CRC Press, Inc.: Florida, USA.

Academic Publications – Books Chapters

- Gowland, R.L. and Thompson, T.J.U. (in press) The skeleton and human identity. In: Ferguson, R., Littlefield, M and Purdon, J. (eds.) *The Art of Identification*. Princeton University Press.
- Errickson, D. and Thompson, T.J.U. (2019) Sharing is not always caring: Social media and the dead. In: Squires, K., Errickson, D. and Marquez-Grant, N. (eds.) *Ethical approaches to human remains: A global challenge in bioarchaeology and forensic anthropology*. Springer: Switzerland. pp299-313.
- Thompson, T.J.U., Jiménez Gaytan, D., Bedoya Sánchez, S. and Ninel Pleitez Quiñónez, A. (2018) Forensic anthropology: Whose rules are we playing by? - Contextualising the role of forensic protocols in human rights investigations. In: Waterlow, J. and Schuhmacher, J. (eds.) *War crimes trials and investigations: A multidisciplinary introduction*. Palgrave Macmillan: UK. pp59-80.

Thompson, T.J.U., Gonçalves, D., Squires, K. and Ulguim, P. (2017) Thermal alteration to the body. In: Schotsmans, E. et al (eds.) *Taphonomy of human remains: forensic analysis of the dead and the depositional environment*. Wiley-Blackwell. pp318-334. [invited contributor]

Thompson, T.J.U. and Ulguim, P.F. (2016) Burned human remains. In: Blau, S. and Ubelaker, D. (eds.) *Handbook of forensic anthropology and archaeology (2nd Edition)*. Left Coast Press: USA. pp391-401. [invited contributor]

Thompson, T.J.U. (2015) Deconstructing the 'ideal' of standardisation. In: Crossland, Z. and Joyce, R. (eds.) *Disturbing bodies: Perspectives on forensic anthropology*. SAR Press. pp63-84. [invited contributor]

Errickson, D. and Thompson, T.J.U. (2015) Animal attacks. In: Payne-James, J. (ed.) *Encyclopaedia of Forensic and Legal Medicine*. Elsevier. [invited contributor]

Chrysostomou, P. and Thompson, T.J.U. (2015) Ancestry assessment. In: Payne-James, J. (ed.) *Encyclopaedia of Forensic and Legal Medicine*. Elsevier. [invited contributor]

Thompson, T.J.U. (2015) Cremated bone. In: Payne-James, J. (ed.) *Encyclopaedia of Forensic and Legal Medicine*. Elsevier. [invited contributor]

Thompson, T.J.U. (2015) Fire and the body; fire and the people. In: Thompson, T.J.U. (ed.) *The Archaeology of cremation: Burned human remains in funerary studies*. Oxbow Books. pp1-17.

Thompson, T.J.U. (2015) The analysis of heat-induced crystallinity change in bone. In: Schmidt, C. and Symes, S. (eds.) *The analysis of burned human remains (2nd ed)*. Academic Press. pp323-337. [invited contributor]

Fowler, G. and Thompson, T.J.U. (2015) A mere technical exercise? Challenges and technological solutions to the identification of individuals in mass grave scenarios in the modern context. In: Anstett, E. et al (eds.) *Search and identification of corpses and human remains in post-genocide and mass violence contexts*. pp117-141. [invited contributor]

Butler, M., Thompson, T.J.U. and Bel, É. (2014) Exploring the implementation of head mounted camera technology in Volume Crime Scene Investigation. In de Guzman, Das and Das (ed.) *The evolution of policing: worldwide innovations and insights*. CRC Press, Inc.: Florida, USA. pp281-297.

Thompson, T.J.U. (2009) Burned human remains. In: Blau, S. and Ubelaker, D. (eds.) *Handbook of forensic anthropology and archaeology*. Left Coast Press: USA. pp 295-303. [invited contributor]

Black, S.M. and Thompson, T.J.U. (2007) Body modifications. In: Thompson, T.J.U. and Black, S.M. (eds.) *Forensic human identification*. CRC Press, Inc.: Florida, USA. pp 379-400.

Thompson, T.J.U. (2007) Biometric identity cards. In: Thompson, T.J.U. and Black, S.M. (eds.) *Forensic human identification*. CRC Press, Inc.: Florida, USA. pp 415-423.

Thompson, T.J.U. and Puxley, A. (2007) Personal effects. In: Thompson, T.J.U. and Black, S.M. (eds.) *Forensic human identification*. CRC Press, Inc.: Florida, USA. pp 365-377.

Thompson, T.J.U. (2000). A preliminary investigation into the influence of burning on the ability to sex the human pelvis. In: *Proceedings from the 46th annual meeting of the Canadian Society of Forensic Science, Edmonton, Alberta, Canada, November 16-21*.

Academic Publications - Journals

Thompson, T.J.U. (2020) Choose your own murder: Non-linear narratives enhance student understanding in forensic science education. *Forensic Science International: Synergy* 2: 82-85.

Poulter, A.L., Thompson, T., Thomas-Oates, J.E., Buckley, S., Petzold, A., Ramsøe, A., O'Connor, S. and Collins, M.J. (2020) A conscious rethink: Why is brain tissue commonly preserved in the archaeological record? Commentary on: Petrone P, Pucci P, Niola M, et al. Heat-induced brain vitrification from the Vesuvius eruption in C.E. 79. *N Engl J Med* 2020;382:383-4. DOI: 10.1056/NEJMc1909867. *PubPeer* <https://pubpeer.com/publications/891F4E6CABAAA80FD92E32255E17AF#>.

Martyn, R., Craig, O.E., Ellingham, S.T.E., Islam, M., Fattore, L., Sperduti, A., Bondioli, L. and Thompson, T. (2020) A re-evaluation of manner of death at Roman Herculaneum following the AD 79 eruption of Vesuvius. *Antiquity* 94: 76–91.

Shamata, A. and Thompson, T.J.U. (2019) Determining the effectiveness of noncontact three-dimensional surface scanning for the assessment of open injuries. *Journal of Forensic Sciences* <http://doi.org/10.1111/1556-4029.14205>.

Nakhaeizadeh, S., Morgan, R.M., Olsson, V., Arvidsson, M. and Thompson, T.J.U. (2019) The value of eye-tracking technology in the analysis and interpretations of skeletal remains: A pilot study. *Science & Justice* doi: <https://doi.org/10.1016/j.scijus.2019.08.005>.

Williams, R., Thompson, T.J.U., Orr, C., Birley, A. and Taylor, G. (2019) 3D imaging as a public engagement tool: Investigating an Ox cranium used in target practice at Vindolanda. *Theoretical Roman Archaeology Journal* 2 doi: <http://doi.org/10.16995/traj.364>.

Brookes, G.K. and Thompson, T.J.U. (2019) The impact of personal perception on the identification of tattoo pattern in human identification. *Journal of Forensic and Legal Medicine* 64: 34-41.

Hansford, J., Wright, P.C., Rasoamiamanana, A., Pérez, V.R., Godfrey, L.R., Errickson, D., Thompson, T. and Turvey, S.T. (2018) Early Holocene human presence in Madagascar evidenced by exploitation of avian megafauna. *Science Advances* 4 doi: 10.1126/sciadv.aat6925.

Shamata, A. and Thompson, T.J.U. (2018) Documentation and analysis of traumatic injuries in clinical forensic medicine involving structured light three-dimensional surface scanning versus photography. *Journal of Forensic and Legal Medicine* 58: 93-100.

Shamata, A. and Thompson, T.J.U. (2018) Using structured light three-dimensional surface scanning on living individuals: Key considerations and best practice for forensic medicine. *Journal of Forensic and Legal Medicine* 55: 58-64.

Thompson, T.J.U. and Norris, P. (2018) A new method for the recovery and evidential comparison of footwear impressions using 3D structured light scanning. *Science & Justice* 58: 237-243.

Thomas, B., McIntosh, D., Fildes, T., Smith, L., Hargrave, F., Islam, M., Thompson, T.J.U., Layfield, R., Scott, D., Shaw, B., Burrell, C.L. and Taylor, S. (2017) Second-harmonic generation imaging of collagen in ancient bone. *Bone Reports* 7: 137-144.

Ellingham, S.T.D., Thompson, T.J.U. and Islam, M. (2017) Scanning Electron Microscopy-Energy Dispersive X-ray (SEM/EDX): A rapid diagnostic tool to aid the identification of burnt bone and contested cremains. *Journal of Forensic Sciences* doi: 10.1111/1556-4029.13541.

Errickson, D., Grueso, I., Griffith, S.J., Setchell, J.M., Thompson, T.J.U., Thompson, C.E.L. and Gowland, R.L. (2017) Towards a best practice for the use of active non-contact surface scanning to record human skeletal remains from archaeological contexts. *International Journal of Osteoarchaeology* doi: 10.1002/oa.2587.

Thompson, T.J.U., Szigeti, J., Gowland, R.L. and Witcher, R.E. (2016) Death on the frontier: military cremation practices in the north of Roman Britain. *Journal of Archaeological Science Reports* 10: 828-836.

Griffith, S.J., Thompson, C.E.L., Thompson, T.J.U., and Gowland, R.L. (2016) Experimental abrasion of water submerged bone: The influence of bombardment by different sediment classes on microabrasion rate. *Journal of Archaeological Science Reports* 10: 15-29.

Ralebitso-Senior, T.K., Thompson, T.J.U. and Carney, H.E. (2016) Microbial ecogenomics and forensic archaeology: New methods for investigating clandestine gravesites. *Human Remains and Violence: An Interdisciplinary Journal* 2: 41-57.

Piga, G., Guirguis, M., Thompson, T.J.U., Isidro, A., Enzo, S., and Malgosa, A. (2016) A case of semi-combusted pregnant female in the Phoenician-Punic necropolis of Monte Sirai (Carbonia, Sardinia, Italy). *Homo – Journal of Comparative Human Biology* 67: 50-64.

Piga, G., Gonçalves, D., Thompson, T.J.U., Brunetti, A., Malgosa, A. and Enzo, S. 2016. Understanding the crystallinity indices behaviour of burned bones and teeth by ATR-IR and XRD in the presence of bioapatite mixed with other phosphate and carbonate phases. *International Journal of Spectroscopy* <http://dx.doi.org/10.1155/2016/4810149>.

Ellingham, S.T.D., Thompson, T.J.U., and Islam, M. (2016) The effect of soft tissue on temperature estimation from burnt bone using Fourier Transform Infrared Spectroscopy. *Journal of Forensic Sciences* 61: 153 – 159.

Gonçalves, D., Cunha, E. and Thompson, T.J.U. (2015) The estimation of the pre-burning condition of human remains in forensic contexts. *International Journal of Legal Medicine* 129: 1137-1143.

Olakanye, A.O., Thompson, T.J.U. and Ralebitso-Senior, K. (2015) Shifts in soil biodiversity - A forensic comparison between *Sus scrofa domesticus* and vegetation decomposition. *Science & Justice* 55: 402–407.

Gonçalves, D., Thompson, T.J.U. and Cunha, E. (2015) Sexual dimorphism of the lateral angle of the internal auditory canal and its potential for sex estimation of burned human skeletal remains. *International Journal of Legal Medicine* DOI: 10.1007/s00414-015-1154-x

Chimutsa, M., Olakanye, A.O., Thompson, T.J.U. and Ralebitso-Senior, K. (2015) Soil fungal community shift evaluation as a potential cadaver decomposition indicator. *Forensic Science International* 257: 155-159.

Ellingham, S.T.D., Thompson, T.J.U. and Islam, M. (2015) Thermogravimetric analysis of property changes and weight loss in incinerated bone. *Palaeogeography, Palaeoclimatology, Palaeoecology* 438: 239-244.

Garrido-Varas, C.E., Rathnasinghe, R., Thompson, T.J.U. and Savriama, Y. (2015) A new method to pair-match metacarpals using bilateral asymmetry and shape analysis. *Journal of Forensic Sciences* 60: 118-123.

Ellingham, S.T.D., Thompson, T.J.U., Islam, M. and Taylor, G. (2015) Estimating temperature exposure on burnt bone – a methodological review. *Science & Justice* 55: 181-188.

Piga, G., Malgosa, A., Thompson, T.J.U., Guirguis, M. and Enzo, S. (2015) A unique case of prone position in the primary cremation Tomb 252 of Monte Sirai necropolis (Carbonia, Sardinia, Italy). *International Journal of Osteoarchaeology* 25: 146-159.

Olakanye, A., Thompson, T.J.U., Ralebitso-Senior, K. (2014) Changes to soil bacterial profiles as a result of *Sus scrofa domesticus* decomposition. *Forensic Science International* 245: 101-106.

Bergmann, R., Ralebitso-Senior, K. and Thompson, T.J.U. (2014) An RNA-based analysis of changes in biodiversity indices in response to *Sus scrofa domesticus* decomposition. *Forensic Science International* 241:190-194.

Errickson, D., Thompson, T.J.U. and Rankin, B. (2014) The application of 3D visualization of osteological trauma for the courtroom: a critical review. *Journal of Forensic Radiology and Imaging* **2**: 132-137.

Garrido-Varas, C.E., Thompson, T.J.U. and Campbell, A. (2014) Parámetros métricos para la determinación de sexo en restos esqueléticos Chilenos modernos [Metric parameters for sex determination of modern Chilean skeletal remains]. *Chungara - Revista de Antropología Chilena* [Journal of Chilean Anthropology] **46**: 285-293.

DeBattista, R., Tidy, H. and Thompson, T.J.U. (2014) An investigation into the persistence of textile fibres on buried carcasses. *Science & Justice* **54**: 288-291.

DeBattista, R., Thompson, T.J.U., Thompson, C.E.L. and Gowland, R.L. (2013) A comparison of surface features on submerged and non-submerged bone using scanning electron microscopy. *Journal of Forensic and Legal Medicine* **20**: 770-776.

Gonçalves, D., Cunha, E. and Thompson, T.J.U. (2013) Weight references for burned human skeletal remains from Portuguese samples. *Journal of Forensic Sciences* **58**: 1134-1140.

Gonçalves, D., Cunha, E. and Thompson, T.J.U. (2013) Osteometric sex determination of burned human skeletal remains. *Journal of Legal and Forensic Medicine* **20**: 906-911.

Piga, G., Solinas, G., Thompson, T.J.U., Brunetti, A., Malgosa, A. and Enzo, S. (2013) Is X-Ray Diffraction able to distinguish between animal and human bones? *Journal of Archaeological Science* **40**: 778-785.

Thompson, T.J.U., Islam, M. and Bonniere, M. (2013) A new statistical approach for determining the crystallinity of heat-altered bone mineral from FTIR spectra. *Journal of Archaeological Science* **40**: 416-422.

Starkie, A., White, L. and Thompson, T.J.U. (2013) An investigation into the effects of decomposition on the post-mortem location of trans-dermal artefacts. *Forensic Science International* **224**: 68-72.

Rankin B.W.J., Taylor G. and Thompson T.J.U. (2012) Should Higher Education respond to recent changes in the forensic science marketplace? *New Directions in the Teaching of Physical Sciences* **8**: 27-32.

Starkie, A., Birch, W., Ferlini, R. and Thompson, T.J.U. (2011) An investigation into the merits of infrared imaging in the investigation of tattoos post mortem. *Journal of Forensic Sciences* **56**: 1569-1573.

Gonçalves, D., Thompson, T.J.U. and Cunha, E. (2011) Implications of heat-induced changes in bone on the interpretation of funerary behaviour and practice. *Journal of Archaeological Science* **38**: 1308-1313.

Squires, K.E., Thompson, T.J.U., Islam, M., Chamberlain, A. (2011) The application of histomorphometry and Fourier Transform Infrared Spectroscopy to the analysis of early Anglo-Saxon burned bone. *Journal of Archaeological Science* **38**: 2399-2409.

Thompson, C.E.L., Ball, S., Thompson, T.J.U. and Gowland, R.L. (2011) The abrasion of modern and archaeological bones by mobile sediments: the importance of transport modes. *Journal of Archaeological Science* **38**: 784-793.

Thompson, T.J.U., Islam, M., Piduru, K. and Marcel, A. (2011) An investigation into the internal and external variables acting on crystallinity index using Fourier Transform Infrared Spectroscopy on unaltered and burned bone. *Palaeogeography, Palaeoclimatology, Palaeoecology* **299**: 168-174.

Garrido-Varas, C.E. and Thompson, T.J.U. (2011) Metric dimensions of the proximal phalanges of the human hand and their relationship to side, position, and asymmetry. *Homo – Journal of Comparative Human Biology* **62**: 126-143.

Piga, G., Thompson, T.J.U., Malgosa, A., and Enzo, S. (2009) The potential of X-ray Diffraction (XRD) in the analysis of burned remains from forensic contexts. *Journal of Forensic Sciences* **54**(3): 534-539.

Thompson, T.J.U., Gauthier, M. and Islam, M. (2009) The application of a new method of Fourier Transform Infrared Spectroscopy to the analysis of burned bone. *Journal of Archaeological Science* **36**(3): 910-914.

Thompson, T.J.U. and Inglis, J. (2009) Differentiation of serrated and non-serrated blades from stab marks in bone. *International Journal of Legal Medicine* **123**(2): 129-135.

Thompson, T.J.U. (2008) The role of the photograph in the application of forensic anthropology and the interpretation of clandestine scenes of crime. *Photography & Culture* **1**(2): 163-182. [invited contributor]

Piga, G., Malgosa, A., Thompson, T.J.U. and Enzo, S. (2008) A new calibration of the XRD technique for the study of archaeological burned human remains. *Journal of Archaeological Sciences* **35**(8): 2171-2178.

Thompson, T.J.U. and Chudek, J.A. (2007) A novel approach to the visualisation of heat-induced structural change in bone. *Science & Justice* **47**(2): 99-104.

Thompson, T.J.U. (2005) Heat-induced dimensional changes in bone and their consequences for forensic anthropology. *Journal of Forensic Sciences* **50**(5): 1008-1015.

Thompson, T.J.U. (2004). Recent advances in the study of burned bone and their implications for forensic anthropology. *Forensic Science International* **146S**: S203–S205.

Thompson, T.J.U. (2003) The quality and appropriateness of forensic anthropological education in the UK. *Public Archaeology* **3**(2): 88-94.

Thompson, T.J.U. and Evison, M.P. (eds.) (2003) Forensic anthropology in the United Kingdom – Current trends, problems and concerns. *Science and Justice* **43**(4). [invited editor]

Thompson, T.J.U. (2003) Supply and demand: Shifting expectations in forensic anthropology. *Science and Justice* **43**(4): 183-186.

Hiller, J., Thompson, T.J.U., Evison, M.P., Chamberlain, A.T. and Wess, T.J. (2003) Bone mineral change during experimental heating: An X-ray scattering investigation. *Biomaterials* **24**(28): 5091-5097.

Thompson, T.J.U. (2002) The assessment of sex in cremated individuals: Some cautionary notes. *Canadian Society of Forensic Science Journal* **35**(2): 49-56.

Thompson, T.J.U. (2001) Legal and ethical considerations of forensic anthropological research. *Science and Justice* **41**(4): 261-270.

Book Reviews

Thompson, T.J.U. (2014) Review of 'Bioarchaeological and forensic perspectives on violence' by D.L. Martin and C. Anderson (eds.). *Journal of Forensic Sciences*.

Thompson, T.J.U. (2013) Review of 'Research methods in human skeletal biology' by E.A. DiGangi and M.K. Moore (eds.). *Journal of Forensic and Legal Medicine*
<http://dx.doi.org/10.1016/j.jflm.2013.03.001>.

Thompson, T.J.U. (2012) Review of 'The juvenile skeleton in forensic abuse investigations' by A.H. Ross and S.M. Abel (eds.). *Journal of Forensic and Legal Medicine* **20(1)**: 64.

Thompson, T.J.U. (2009) Review of 'Skeletal trauma: Identification of injuries resulting from human rights abuse and armed conflict' by E.H. Kimmerle and J.P. Baraybar. *Science & Justice* **49**: 296.

Thompson, T.J.U. (2007) Inside the world of the silent witness - a review of 'Postmortem' by Stefan Timmermans. *The Times Higher Educational Supplement* Aug 3rd.

Thompson, T.J.U. (2007) The study of slow decay – a review of 'Essential Forensic Biology' by Alan Gunn. *The Times Higher Educational Supplement Textbook Guide* 26: 4.

Thompson, T.J.U. (2006) Review of 'Identification of pathological conditions in human skeletal remains (2nd ed.)' by Don Ortner. *Journal of Clinical Forensic Medicine* **13(3)**: 153-154.

Thompson, T.J.U. (2006) Review of 'Forensic archaeology: Advances in theory and practice' by John Hunter and Margaret Cox. *Science & Justice* **46(2)**: 126.

Thompson, T.J.U. (2005) Review of 'Forensic science' by Andrew Jackson and Julie Jackson. *The Times Higher Education Supplement* Feb.

Thompson, T.J.U. (2005) Neither the sun nor death can be looked at steadily – a review of 'The Bone Woman' by Clea Koff. *The Times Higher Education Supplement* Feb.

Thompson, T.J.U. (2004) The way of all flesh – a review of 'Death's Acre: Inside the legendary body farm' by Bill Bass and Jon Jefferson. *Science and Justice* **44(4)**: 237.

Thompson, T.J.U. (2004) Grounds for deconstruction – a review of 'Death's Acre: Inside the legendary body farm' by Bill Bass and Jon Jefferson. *The Times Higher Education Supplement* **1639**: 31.

Selected Conferences of Merit

Thompson, T.J.U. (2019) Hot Mess: Towards a bioarchaeology of cremation. Keynote presented at the 'Trial by Fire' conference, UCL, May 17. [invited keynote speaker]

Thompson, T.J.U. (2018) Current & Future Challenges. Keynote presented at the 'Advancing Forensics: current and future directions' Chartered Society of Forensic Sciences Annual Student Conference, University of Derby, Dec 1. [invited keynote speaker]

Thompson, T.J.U. (2016) Entangled: Methods for differentiating bodies and physical identities presented at the 'Bodies of Evidence' Art of Identification workshop, Center for Advanced Study, University of Urbana-Champaign, IL, USA, Mar 29. [invited speaker]

Thompson, T.J.U. (2016) The relationship between research and learning and teaching. Keynote presented at the 'Festival of Learning', Teesside University, Mar 14-17. [invited keynote speaker]

Thompson, T.J.U. and Errickson, D. (2014) The development of digital resources for teaching skeletal anatomy in the forensic sciences. Presented at the 'Skin and Bones' Anatomical Society Annual Conference, University of Bradford, July 8-10. [invited speaker]

Thompson, T.J.U. (2014) [invited speaker and discussant] at the 'Trials and investigations: an integrated approach to the study of war crimes prosecutions' workshop, Research Centre in the Humanities, University of Oxford, June 6.

Thompson, T.J.U. (2014) Presented at the 'Technologies of Identification and responses to mass death' 15th Annual PEALS International Symposium held jointly with Northumbria University Centre for Forensic Science. Newcastle University, Apr 3-4. [invited speaker]

Thompson, T.J.U. (2014) Alternative resources to using cast and virtual material to teach osteology: problems and prospects. Presented at the HEA funded 'Using human remains in teaching & practicing archaeology' workshop, University of Bradford, March 5. [invited speaker]

Thompson, T.J.U. (2013) Where is the anthropology in forensic anthropology – and does it really matter at the crime scene? Presented at the 'Forensic science and archaeology international workshop', American University of Rome, Rome, Nov 22-23.

Thompson, T.J.U. (2013) [Invited chair and discussant] at the 'Search and Identification of Corpses and Human Remains in Post-Genocide and Mass Violence Contexts' 2nd annual and international workshop of the research programme Corpses of Mass Violence and Genocide, University of Manchester, Sept 9-11.

Thompson, T.J.U. (2013) Where is the anthropology in forensic anthropology – and does it really matter? Presented at the 'Crime Scene Analysis and Victim Identification Forum', Royal College of Pathologists, London, Mar 11. [invited speaker and panellist]

Thompson, T.J.U. (2012) Converging technologies and approaches. Presented at the 'animEXPO' event at the 'Animex Festival', Teesside University, Feb 20. [invited speaker]

Thompson, T.J.U. (2012) [Invited speaker and discussant] at the 'Disturbing Bodies: A Relational Exploration of Forensic Archaeological Practice' workshop, School for Advanced Research, Santa Fe, Mar 25-29.

Thompson, T.J.U. (2010) The application of advanced analytical methods to the study of burned bone. Presented at the 'Moving Goalposts: Innovation and development in the study of human remains' conference, Durham University, Jun 19. [invited speaker]

Thompson, T.J.U. (2009) The potential contribution of microscopic structural changes to the analysis of burned bone. Presented at the 'Ancient Cremations Workshop: Ancient Cremation – reigniting the debate' conference, Cardiff University, Oct 9-10. [invited speaker]

Thompson, T.J.U. (2009) [Invited Chair] of 'Body, object and archive: Genealogies of modern forensic practice' session. At the 'Objects – what matters? Technology, value and social change' conference, Centre for Research on Socio-Cultural Change, University of Manchester, Sept.

Thompson, T.J.U. (2008) Do I really need an archaeologist and anthropologist in a mass disaster situation? Presented at the 'Dealing with Disasters' conference, University of Glamorgan, July 11. [invited speaker]

Thompson, T.J.U. (2008) Heat-induced changes to the body and the implications for human identification. Presented at the 'Vehicle Fires and Explosions' conference, University of Teesside, March 4. [invited speaker]

Thompson, T.J.U. (2007) [Invited Chair] of 'Open Session'. At British Association of Biological Anthropology and Osteoarchaeology annual conference, University of Reading, Sept 14-16.

Thompson, T.J.U. (2006) The appliance of science: Dragging forensic anthropology from the Stone Age to the Space Age. Presented at the The BioNEt Event 'The application of biological and analytical techniques to forensic science', University of Durham, Sept 22. [invited speaker]

Thompson, T.J.U. (2006) The role of anthropology in the mass fatality incident. Presented at the 'Dealing with Disasters: Planning, Response and Investigation' conference, University of Teesside, Sept 21. [invited speaker]

Thompson, T.J.U. (2005) Heat-induced changes to the human body and the implications for positive identification. Presented at the annual International Association of Arson Investigators conference, University of Strathclyde, July 17-18. [Invited speaker]

Thompson, T.J.U. (2005) Heat-induced changes to the human body and the implications for positive identification. Presented at the 2nd annual International Fire & Arson Investigation conference, University of Teesside, July 5-7. [Invited speaker]

Thompson, T.J.U. (2004) Recent advances in the study of burned bone and their implications for victim identification following mass disaster. Presented at the annual Fire Related Research and Developments (RE04) meeting of the Fire Service College, Moreton-in-Marsh, Gloucestershire, Nov 24-25. [Invited speaker]

Thompson, T.J.U. (2004) Archives of memory. Presented at 'The visual archive: History, evidence and make believe', Tate Modern, London, Oct 29. [Invited speaker]

Thompson, T.J.U. (2004) Recent advances in the study of burned bone and their implications for forensic anthropology. Presented at the 1st annual meeting of the Mediterranean Academy of Forensic Sciences, Crotone, Italy, June 10-13.

Thompson, T.J.U. (2002) Re-animating the dead: Keeping statistics real. Presented at the 4th annual meeting of the British Association for Biological Anthropology and Osteoarchaeology, University of Sheffield, Sept 14-15.

Thompson, T.J.U. (2002) Examination of the effects of heating, burning and cremation on the skeletal parameters of human identification: Some exciting results. Presented at the 2nd meeting of the British Association of Human Identification, University of Bradford, May 04-05.

Thompson, T.J.U. (2001) No man is above the law: Ensuring the future of forensic anthropological research. Presented at the 3rd annual meeting of the British Association for Biological Anthropology and Osteoarchaeology, University of Durham, July 13-15.

Thompson, T.J.U. (1999) A preliminary investigation into the influence of burning on the ability to sex the human pelvis. Presented at the 46th annual meeting of the Canadian Society of Forensic Science, University of Alberta, Canada, November 16-21.

Selected Public Lectures, Presentations & Other Teaching

Jan 2020 Lectures given to the Bioarchaeology and the Forensic Science Summer Schools as part of a funded visiting scholar scheme at the University of Otago, New Zealand. [Invited Speaker]

Jan 2019 'Using Minecraft as a virtual field trip – an academic's journey' presented at the Bett Show, Excel London. [Talk was sponsored by Microsoft].

Oct 2018 'What can the dead teach us?' public event at the Middlesbrough Institute of Modern Art (mima). [Invited Speaker]

July 2018 'Fire'. Part of the 'Roman Dead: burials, funerals and rites' event at the Museum of London. [Invited Speaker]

June 2017 'Forensic anthropology in contexts of mass violence'. Department of Criminal Law and Criminology, University of Groningen, The Netherlands. [Invited Speaker]

June 2015 'Bodies of Evidence'. National Museum of Iceland, Reykjavik, Iceland. [Invited Speaker]

May 2015 'Bodies of Evidence'. Part of the Forensic Science session of the Teesside University contribution to the international Pint of Science Festival. **[Invited Speaker]**

Jan 2015 'Bodies of Evidence'. Teesside Archaeological Society Programme, Stockton-on-Tees. **[Invited Speaker]**

Mar 2013 'Where is the anthropology in UK and European forensic anthropology? And does it really matter? Columbia Center for Archaeology, Columbia University, USA.

Oct 2012 'Where is the anthropology in forensic anthropology – and does it really matter?'. Frontiers in Forensic Science series, University of York. **[Invited Speaker]**.

Apr 2011 'Forensic Anthropology'. Crime Writers' Association Annual Conference, Darlington. **[Invited Speaker]**.

Feb 2011 'Framing forensic and crime scene science: the importance of the image in modern forensic practice'. Writing Photography series of lectures for Photography & Culture journal, London. **[Invited Speaker]**.

Nov 2010 'Advances in the study of burned bone from forensic and archaeological contexts'. CIAS Research Centre for Anthropology and Health, University of Coimbra, Portugal.

Jan 2010 'How to study the Stone Age in the Space Age', Cleveland Institution of Engineers, Middlesbrough. **[Invited Speaker]**.

Feb 2009 and every year since 'Bones in Society: Forensic anthropology', Department of Archaeology, Durham University. **[Invited lecturer]**.

Feb 2009 'Burned bones in archaeology & anthropology: Will we ever be able to determine the temperature and duration that bone has been burned at?', Lunchtime Guest Lecture Series, Department of Archaeology, University of Sheffield. **[Invited Speaker]**.

Nov 2008 'CSI Mania' public debate as part of the Battle of Ideas festival, Institute of Ideas, London. **[Invited Panellist]**

May 2008 'Football Anthropology', community education pilot scheme (10-11yr olds) with Durham University and Middlesbrough FC in the Community, Middlesbrough.

April 2008 'Anthropology', Joint CSI practitioner conference, Centre for Forensic Investigation, University of Teesside. **[Invited lecturer]** for presentation and workshops.

Jan 2008 'Burned bones in archaeology & anthropology: Are they actually of any use?', Lunchtime Guest Lecture Series, Department of Archaeology, University of Sheffield. **[Invited Speaker]**.

2005 to 2007 'Skeletons in the closet', part of the annual Royal Society of Edinburgh Masterclass series for 13-15 yr olds, half day osteology lab sessions.

2005 'Forensic anthropology, science & society', part of the 'Wrexham Science Festival', Wrexham, March 21.

2005 'Forensic anthropology, society & science, part of the 'Science behind the news' public lecture series with Dundee College, Dundee, February 8.

2004 'Forensic archaeology and anthropology workshop', part of the 'Inaugural Meeting of the Forensic Science Society as a Professional Body' event, Wyboston, Nov 5-7.

2004 'Medical ethics' part of the Religious Education Movement Scotland 'Speakers in schools' project to promote 'Education for mutual understanding', Dundee.

Selected Media Work

- Television: 'Ancient Mysteries', Channel 5, two episodes in Spring of 2017; 'Missing Live', BBC One, April 2008; 'Sky News', Dec 2009.
- Radio: Various. Including features/interviews with: BBC Tees (various), BBC York, BBC Radio 4 ('Leading Edge'), BBC World Service ('Science in Action'), BBC Southern Counties, BBC Radio Scotland (including two-part documentary 'Learning from the Dead').
- Printed: Various. *For my burned bone research*: NYT, Washington Post, The New Yorker, National Geographic, Sapiens, Mail Online, Daily Mail (all 2020); LA Times (2019), Forbes (2019), PBS Nova (2019), Popular Science (2019). *For my company*: featured in the Independent and The Week (2013). *For myself*: featured academic in Times Higher Education Supplement.
- The Conversation: The human body never truly disappears – finding the remnants of a tragic end can help us uncover atrocities. Nov 2019.
- Other: Two invited Op-Ed pieces in FSSoc magazine Interfaces on forensic anthropology (2013).

Grants, Awards and Prizes

- 2020 Private gift donation for forensic anthropology research (£10,000).
- 2019 Private gift donation for forensic anthropology research (£15,000).
- 2017 Minecraft in the Biosciences. *Heads of University Biosciences* (£800 – with Dr Helen Carney)
- 2017 Private gift donation for forensic anthropology research (£50,000).
- 2016 Potential and perceptions workshop. Museum University Partnership Initiative (£800 – with Gemma Lewis, Durham University).
- 2016 Private gift donation for forensic anthropology research (£10,000).
- 2015 To develop an innovative Biometric Identification and Tracking System (IBITS). *KTP with Acumé Forensics* (£125,299.72 – with Martin Brown).
- 2015 Nuffield Foundation Science Bursaries. *Nuffield Foundation* (supported 1 A-level student).
- 2015 Private gift donation for forensic anthropology research (£5000).
- 2014 Higher Education Academy National Teaching Fellowship (£10,000).
- 2014 Understanding the funerary practice of cremation in the southern Brazilian highlands. *Coordenação de Aperfeiçoamento de Pessoal de Nivel Superior - Brazilian Ministry of Education* (~£55,000).
- 2014 Private gift donation for forensic anthropology research (£7,500).
- 2013 Private gift donation for forensic anthropology research (£7,500).
- 2013 Short-listed (1 of 3) for the inaugural Vice-Chancellor's Award for Enterprise Activity.

2012 Artist in Residence Eric Fong. *The Leverhulme Trust ref: AIR-2012-019* (£14,800).

2012 Development of product portfolio for anthronomics ltd. *Business Investment Fund* (£7680)

2012 Biomedical Vacation Scholarship. *Wellcome Trust* (£1440 – with Dr Gillian Taylor, for Emily Kitching).

2012 Nuffield Foundation Science Bursaries. *Nuffield Foundation* (supported 6 A-level students – with Dr Gillian Taylor).

2012 Private gift donation for forensic anthropology research (£7,500).

2012 Travel fund. *Higher Education Academy* (£500 – with Dr Gillian Taylor)

2011 Development of a 3D viewer. *North East England Investment Centre NEEIC-25294* (£2160).

2011 Private gift donation for forensic anthropology research (£37,950).

2011 Use of 3d models to enhance the learning experience of anthropology & anatomy students. *Teesside University Teaching and Innovation Fund* (£1100).

2011 anthronomics. *UnLtd, Millenium Awards* for social enterprises (£1930).

2010 Winner 'Highly Commended' in the Knowledge Transfer Award in Blueprint Business Planning Competition grand final.

2010 Studying the impact of decomposition on soil microbial communities. *University Research Fund* (£5,000).

2010 An investigation into the microscopic and macroscopic heat-induced changes in bone and their application to the archaeological context. *British Council Treaty of Windsor Programme* (£2000 – with University of Coimbra).

2010 Winner *Ward Hadaway Science Award* in Blueprint Business Planning Competition regional final (Teesside University).

2009 *Elsevier Top 10 Cited Paper 2006-2008, Science & Justice*. Thompson, T.J.U. and Chudek, J.A. (2007) A novel approach to the visualisation of heat-induced structural change in bone, 47(2), 99-104.

2009 Digital solutions for anthropological research and practice. *Enterprise Development Fund* (£3,073).

2009 Development of a digital anthropological recording & analysis platform. *Digital City Fellowship* (£4,000).

2009 Best Presentation Prize for 'The use of body modifications as a tool in human identification' at University of Teesside Research Conference, Mar 11.

2009 Best Presentation Prize for 'Age estimation of the living using ultrasound imaging modalities' at University of Teesside University Research Fund Presentations, Feb 26.

2008 The location and recovery of human remains in forensic contexts. *HEFCE Pathfinder Scheme* (£38,739 – with Durham University).

2008 The use of body modifications in human identification. *The Leverhulme Trust ref: F/00 762/C* (£50,304).

2007 Age estimation of the living using ultrasound imaging modalities. *University Research Fund (£2,765)*.

2004 Scholarship for the XVI Amaldi Conference on Problems of Global Security. One of two places awarded nationally, November. *The Royal Society*.

2000 *University of Sheffield PhD Bursary*.

1999 Student Paper Prize at the 46th Annual Meeting of the Canadian Society of Forensic Science, Edmonton, Alberta, November 16-21. *Canadian Society of Forensic Science*.

Memberships, Committees, Esteem etc.

Accreditation	Council for the Registration of Forensic Practitioners – one of only 9 accredited nationally – to Mar 2009 when CRFP ceased to exist. Certified Microsoft Innovative Educator.
Professional Bodies	Chartered Society of Forensic Sciences – Fellow. Royal Anthropological Institute – Fellow. Royal Society of Biology – Fellow. Faculty of Forensic & Legal Medicine (part of the Royal College of Physicians – Honorary Fellow. Higher Education Academy – National Teaching Fellow. Higher Education Academy – Senior Fellow.
Academic Associations	American Academy of Forensic Science – Member. International Academy of Legal Medicine – Member. British Association for Biological Anthropology and Osteoarchaeology – Member (Council member 2010-2015). Association of National Teaching Fellows – Member Council of Forensic Science Educators – Member
Director	<u>Dove Academy Trust, multi-academy primary-level trust</u>
PGR Examination	<ul style="list-style-type: none"> » <i>Macoveciuc, I.</i> (2020 – PhD) The utility of gait as a biological characteristic in forensic investigations – An empirical examination of movement pattern variation using biomechanical and anthropological principles. UCL. [External]. » <i>Rosen, S.</i> (2020 – PhD) We were seeds: The socio-political economies of forensic anthropology after political violence. Durham University. [External]. » <i>Bisler, C.</i> (2019 – PhD) Microbial forensics: Soil microbial and elemental composition change in response to carrion decomposition. Teesside University. Internal. » <i>Carroll, E.</i> (2019 – PhD) Burning by numbers: Cremation and cultural transitions in Late Iron Age and Roman Britain (100BC - AD 410). University of Reading. [External]. » <i>Procopio, N.</i> (2018 – PhD) Proteome Taphonomy: Biomolecular investigations into the process of decay for forensic and archaeological applications. University of Manchester. [External]. » <i>Chikhani, M.</i> (2017 – MRes) An assessment of Raman spectroscopy for the estimation of postmortem interval from skeletonised remains. Western Sydney University. [External]. » <i>Hukelova, Z.</i> (2017 – PhD) Comparative osteoarchaeological perspectives on health and lifestyle of Neolithic, Chalcolithic and Bronze Age populations from Slovakia, Moravia and Bohemia. University of Edinburgh. [External]. » <i>Georgiou, K.</i> (2016 – PhD) An investigation into fingerprint development techniques on recycled plastic materials. Teesside University. [Internal]. » <i>Rowntree, G.</i> (2015 – PhD) 'For the good of Humanity I bear the price' (Exploring the lived experience of deploying to mass fatality disasters as a responder, using grounded theory). Bucks New University / Coventry University. [External].

- » *Sandholzer, M.* (2014 – PhD) The study of burned teeth. University of Birmingham. [External].
- » *Bonney, H.* (2013 – PhD) The validity of Sus Scrofa as a model for human cadavers in experimental trauma studies. University of Lincoln. [External].
- » *Dussault, M-C.* (2013 – PhD) Blast injury to the human skeleton: Recognition, identification and differentiation using morphological and statistical approaches. Bournemouth University. [External].
- » *Raja, S.* (2013 – PhD) A study of bone chemistry in forensic applications. University of Technology Sydney, Australia. [External].
- » *Waterhouse, K.* (2013 – PhD) Fragmentation of calcined bone: Aspects relating to improving recovery of calcined bone from fatal fire scenes. University of Alberta, Canada. [External].
- » *Paterson, S.* (2011 – Masters by Research) Decomposition scores and accumulated degree days: Calculating the post-mortem submersion interval in a Dutch sample. University of Dundee. [External].
- » *O'Connor, J.* (2010 – PhD) Age estimation from radiographic assessment of skeletal maturation at the knee and the influence of height and weight on predicted age. University College, Dublin. [External].
- » *Jalaca-Tavakoli, M.* (2008 – PhD) A forensic approach to estimation of stature from dimensions of the skeletonized lumbar and sacral spine. University of Reading. [External].

External Examiner

- » *Chartered Society of Forensic Sciences* (2010 to date) – approved assessor for the Chartered Society of Forensic Sciences (CSFS) University Accreditation Scheme.
- » School of Natural Sciences and Psychology, Liverpool John Moores University (2015 to 2018) – *BSc (Hons) in Forensic Anthropology, MSc in Forensic Anthropology, MSc in Bioarchaeology.*
- » Department of Applied Sciences, University of Huddersfield (2016) – *MSc in Forensic Science courses.* Course validation and approval.
- » School of History, Classics and Archaeology, University of Edinburgh (2011 to 2015) – *MSc in Osteoarchaeology/Human Osteoarchaeology/Forensic Anthropology, MSc by Research Archaeology.*
- » Department of Archaeology, University of Exeter (2009) – *BSc in Archaeology with Forensic Science.* Course validation.

Peer Reviewer

Bioarchaeology International (since 2016); Australian Journal of Forensic Sciences (since 2014); Antiquity (since 2014); American Journal of Physical Anthropology (since 2014); Cambridge Archaeological Journal (since 2013); Journal of Archaeological Science (since 2012); Archaeometry (since 2012); Clinical Anatomy (since 2011); International Journal of Legal Medicine (since 2010); Journal of Comparative Human Biology (since 2010); European Academy of Forensic Science conference (2009); British Archaeological Reviews (since 2008); International Journal of Osteoarchaeology (since 2007); Journal of Forensic Sciences (since 2005); Journal of Legal and Forensic Medicine (since 2005); Science & Justice (since 2002).

Grant / Award Reviewer

Veni Humanities (2016, the Netherlands).
Scopus Young Researcher UK Awards – Medicine (2015, 2018, UK).
Graduate Women in Science (2014, US).

Honorary Roles

Editor-in-Chief – Journal of Forensic and Legal Medicine (Jan 2019 to date; AE, Jan 2018 to Dec 2018).
Editor-in-Chief – Science & Justice (Nov 2014 to Nov 2017).
Editorial Board – Human Remains and Violence: an Interdisciplinary Journal (2013 to date).
Editorial Board – Journal of Forensic and Legal Medicine (2012 to date).
Editorial Board – Journal of Forensic Sciences (2011 to date).
Elsevier Advisory Panel (Apr 2016).
Steering Committee – Art of Identification, AHRC funded Research Networking grant (PI: Rex Ferguson, Uni of Birmingham, £43,976.76).

Publicity Secretary, British Association for Biological Anthropology and Osteoarchaeology (2010 to 2015).

General Secretary, British Association for Human Identification (2007-2008).

Membership Secretary, British Association for Human Identification (2005-2007).

Conference Committees Learning and Teaching Enhancement Conferences, Teesside University. Apr and July 2018.
'Pint of Science', Teesside University. May 2015, 2016, 2017, 2018.
'Visualising the Crime', Teesside University and the Forensic Science Special Interest Group, Apr 17 2013.
'Moving goalposts around the world', NE England Bio Anth Research Network, Jan 30 2012.
'Science – certainty in an uncertain world', Teesside University and Science 2 Business Hub conference on industry-academic collaboration in the forensic sciences, Jan 26, 2011.
School of Science & Engineering Forensic & Crime Scene Science Research Afternoon, Mar 2010.
School of Science & Engineering Forensic & Crime Scene Science Research Afternoon, Feb 2009.
4th Annual Meeting of the British Association for Biological Anthropology and Osteoarchaeology, Sheffield, Sept 14-15, 2003.