

## TAL SIMMONS

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### ACADEMIC POSITIONS:

- 2019-- Professor, Department of Forensic Science Virginia Commonwealth University, Richmond, VA
- 2018 Professor and Graduate Program Director, Department of Forensic Science Virginia Commonwealth University, Richmond, VA
- 2015 -17 Professor, Chair, and Graduate Program director, Department of Forensic Science Virginia Commonwealth University, Richmond, VA
- 2011-4 Chair, STEMH (Science, Technology, Engineering, Medicine and Health) Ethics Committee, University of Central Lancashire, Preston, UK.
- 2008-14 Reader in Forensic Anthropology and Archaeology, Course Leader, MSc Forensic Anthropology; School of Forensic and Investigative Sciences, University of Central Lancashire, Preston, UK.
- 2011 Lady Davis Visiting Professor, Faculty of Humanities, Institute of Archaeology and Prehistory. The Hebrew University of Jerusalem (March-May).
- 2004 -8 Principal Lecturer in Forensic Anthropology and Archaeology, Course Leader, MSc Forensic Anthropology; Department of Forensic and Investigative Sciences, University of Central Lancashire, Preston, UK.
- 2003-4 Senior Lecturer and Programme Leader, Forensic and Biological Anthropology MSc, Bournemouth University, Poole, Dorset, UK.
- 1996-2003 Associate Professor, Department of Anthropology, Western Michigan University, Kalamazoo, MI.
- 2002 Visiting Scholar, Institute for Advanced Studies, Hebrew University of Jerusalem, "Palaeoecology of the Levantine Corridor" Working Group (February-August).
- 1998 University Visiting Professor, Department of Evolution, Systematics, and Ecology, The Hebrew University of Jerusalem (March-June).
- 1991-6 Assistant Professor, Department of Anthropology, Western Michigan University, Kalamazoo, MI.
- 1991 Lecturer, Department of Sociology and Anthropology, Loyola University, Chicago, IL.
- 1990-1 Postdoctoral Fellow and Lecturer. Department of CMS Biology, Northwestern University Medical and Dental Schools, Chicago, IL.

### CONSULTANCIES:

- 2022 Consultant, B'Tselem, review of cases and two-day workshop on scene documentation for human rights investigators
- 2022 Consultant, Physicians for Human Rights. Ukraine conflict forensics.

- 2022 United Nations International Investigative Mechanism for Myanmar (IIMM) and Physicians for Human Rights (Pro Bono) Consultation concerning Christmas Massacre.
- 2019-- Forensic Architecture. (Pro Bono) Case consultation concerning the determination from CT scans of type of bullet.
- 2017 Yazda, Kurdistan. (*Pro Bono*) Case consultations re. determination of the postmortem interval and trauma analysis.
- 2016-- Amnesty International, Washington, DC. (*Pro Bono*) Case consultations re. determination of the postmortem interval, postmortem population demographics, evaluation of allegations of torture, etc. Workshops on documentation of crime scenes and physical evidence (Mexico City – August 2017; London – October 2017)
- 2015 -- Offices of the Chief Medical Examiner, Richmond, VA and Tidewater, VA
- 2013 National Criminal Police Forensic Laboratories, Gobalsi, Turkey. Forensic Anthropology section, Forensic taphonomy research centre (ATAS).
- 2011--13 Development of Post-mortem Database forms for the International Committee of the Red Cross (ICRC)
- 2011-7 Forensic anthropology Consultant, Fox Television series *Bones* (*Pro Bono*)
- 2004 -7 Forensic Consultant, Human Rights Educational Institute of Burma in Chiang Mai, Thailand. (*Pro Bono*)
- 2004 Forensic Anthropology Consultant for Morgue Operations in Iraq, Regime Crimes Liaison Office, US Department of Defense (June-August) (*Pro Bono*)
- 2001 FAFG, Guatemala. Short courses and Quality Assurance exercise. (May)
- 2000 Senior Forensic Consultant, Organization for Security and Cooperation in Europe (OSCE) Human Rights Division, Missing Person's Unit, Pristina. Kosovo (February-May)
- 1999 Consultant, Physicians for Human Rights. Galle, Sri Lanka (October)
- 1999 Laboratory Director, Physicians for Human Rights, Cyprus Project, Nicosia, Cyprus (May-July)
- 1998 Consultant, Forensic Monitoring Project, Physicians for Human Rights, Tuzla, Bosnia (July-August)
- 1997 Director, Forensic Monitoring Project, Physicians for Human Rights, Tuzla, Bosnia (June-December).

#### **EDUCATION:**

- PhD. 1987-90 Anthropology, University of Tennessee, Knoxville. (Dissertation: "Comparative Morphometrics of the Frontal Bone in Hominids: Implications for Models of Modern Human Origins")
- 1988 (Autumn Semester) Special Graduate Student in Gross Anatomy, University of Texas Medical Branch, Galveston, Texas.
- M.A. 1984-5 Paleopathology and Funerary Archaeology, Sheffield University, England. (Thesis: "The Ipiutak Cemetery at Point Hope, Alaska: Cultural Ecology, Ethnography and Funerary Analysis")
- 1983-4 Graduate student in Anthropology, University of Wisconsin, Madison.

A.B. 1980-3 Anthropology (minor: Fine Art), Bryn Mawr College. (Thesis: "Lithic Source Analysis in Southeast Pennsylvania")

**PROFESSIONAL CERTIFICATION and LICENSURE:**

2013-- Forensic Anthropologist-I (ChFA), Royal Anthropological Institute. Entry into Forensic Anthropologist I is by case review and a cross examination based *viva voce* examination. (Registration No. FAI-08) (Current certification 2020-2025)

1997-- Diplomate of the American Board of Forensic Anthropology (Diplomat Number: 56)

2013 Fellow of the Higher Education Academy (Reference No. PR057689)

2009 Justice Rapid Response Certification Course, No Peace Without Justice, Brussels, 11-14 September, (Certificate of Completion)

2009-12 First Aid for Remote Locations qualification. (ITC level 2 Certificate)

2009-13 Registered Forensic Practitioner in Anthropology (General Forensic Work and Osteology). Registration Number 01930, Council for the Registration of Forensic Practitioners. Period of Registration: 9.8.09-8.8.13

2005-9 Registered Forensic Practitioner in Anthropology (General Forensic Work and Osteology). Registration Number 01930, Council for the Registration of Forensic Practitioners. Period of Registration: 9.8.05-8.8.09

2008 Analysis Skills Seminars, Institute for International Criminal Investigations, The Hague (Certificate of Completion)

2005 International Investigators Course, Instruction in Techniques of Investigating Serious Violations of International Humanitarian Law, Institute for International Criminal Investigations, The Hague (Certificate of Completion)

**MAJOR FIELDS OF INTEREST:**

Forensic Anthropology, International Humanitarian Law, Forensic Taphonomy, Trauma Analysis, Evidence Degradation, Human Identification, Great War Archaeology, Levantine Archaeo-zoology(Avifauna), Palaeoanthropology and Palaeoecology, Evolutionary Theory

**LANGUAGES:**

Hebrew and English (fluent); Spanish (reading: excellent; spoken: good); Danish (reading: excellent; spoken: fair); Bosnian (reading: good; spoken: fair); French (reading: good).

**SERVICE TO PROFESSIONAL ORGANIZATIONS:**

2019-21 Abstract reviewer for AAFS Annual Conference, Anthropology Section

2019-- Selected to serve on the East Marshall Street Well Project, Research Implementation Committee

2018-- Elected to the AAAS Science and Human Rights Coalition Steering Committee

2017-- Invited participant in the AAAS On-call Scientists Hotline

2017 Appointed to the Commonwealth of Virginia's OCME Workgroup for Disposition of Historic Remains

- 2017 External reviewer Master of Science in Forensic Science program at Drexel University College of Medicine
- 2016 Appointed to the Commonwealth of Virginia's Workgroup for Search and Rescue Canine Training using Anatomical Gifts
- 2016-8 Appointed to the American Academy of Forensic Sciences' Standards Board of the Disaster Victim Identification Consensus Body
- 2016 Reviewer, Forensic Anthropology Curriculum Mapping, Royal Institute of Anthropology
- 2016-8 Scientific and Advisory Board, Hitit University Journal of Social Sciences Institute, Turkey.
- 2015-- Emerging Forensic Scientist Award reviewer, American Academy of Forensic Sciences
- 2015 Confidential report reviewer for a National Academies of Science, Engineering, and Medicine's report to strengthen the forensic science within NIJ (July)
- 2013-- Reviewer of applicants for certification as FA-III and reviewer of renewals for FA-I, FA-II and FA-III certification for the Royal Anthropological Institute
- 2011-3 British Association of Forensic Anthropologists: Practitioner Certification Committee (Chair); Steering Committee (member); Internationalisation Committee (member)
- 2009-- Investigators Roster for Justice Rapid Response (Current Chair: Canada)
- 2008-- Registered with "On-Call Scientists" AAAS Science and Human Rights Program
- 2006--9 Specialty Assessor in Forensic Anthropology for the Council of Registered Forensic Practitioners (CRFP).
- 2006--9 Council Member, British Association for Human Identification (BAHID)
- 2005-7 *Ad Hoc* Ethics Committee, Physical Anthropology Section, American Academy of Forensic Sciences.
- 2002-4 INFORCE (International Forensic Centre of Excellence) Advisory Board
- 1999-2001 Chair, J. Lawrence Angel Student Paper Award Committee, Physical Anthropology Section, American Academy of Forensic Sciences
- 1996-8 J. Lawrence Angel Student Paper Award Committee, Physical Anthropology Section, American Academy of Forensic Sciences
- 1996 Co-Chair and Organizer of the Midwest Bioarchaeology and Forensic Anthropology meetings. Kalamazoo, MI (11-13 October 1996).

**GRANTS:**

- 2019 Forensic Science Foundation Lucas Grant (Comparison of Nuclear, Mitochondrial and Bacterial DNA Quantity and Quality Recovered from Waterlogged Skeletal Remains, Co-Investigator of Claire Cartozzo and B. Singh) (\$3,323)
- 2019 Catalyst Award. College of Humanities and Sciences, Virginia Commonwealth University. Cross-Validation of ICP-MS and LA-ICP-MS Analysis of Trace Isotope Ratios from Dental Enamel for the Geographic Attribution of Human Remains in Virginia (\$16,982.82)

- 2019 Irene Levi Sala CARE Archaeological Foundation grant. "The Raptors of Nahal Roded 110: 'birds of prey hover over it'" (\$3,000)
- 2019 Supervisor of PhD student's (Claire Cartozzo) grant. National Institute of Justice NIJ-2018-13638 "DNA Analysis and the Postmortem Submersion Interval from the Microbiome of Waterlogged Skeletal Remains" (\$49,981)
- 2018 Irene Levi Sala CARE Archaeological Foundation grant. "The Final Natufian Avifauna of Eynan." (\$6,000)
- 2017 Co-sponsor with Amnesty International. (Scene Documentation for Human Rights Investigators), American Academy of Forensic Sciences' Human Rights and Humanitarian Resource Center, \$14,450
- 2016 Forensic Science Foundation Lucas Grant. (Predicting the Postmortem Submersion Interval from the Microbiome of Waterlogged Bone, with C. Cartozzo and B. Singh) \$5,000
- 2015 Faculty Council Research Awards. (Recovery of DNA from water-logged bones) \$500.00
- 2011 Capital Equipment Replacement and Expansion Fund, UCLAN. (TRACES) £1,720.00
- 2010 Capital Equipment Replacement and Expansion Fund, UCLAN. (Modeling the Thermodynamics of Maggot Mass during Decomposition) £27,805.00
- 2009 Teaching Equipment Fund, UCLAN. (Teaching Forensic Anthropology) £27,600.00
- 2003-4 Irene Levi Sala CARE Archaeological Foundation grant. "What ceremony else? Ritual treatment of the dead at the PPNB site of Kfar HaHoresh"
- 2001 Irene Levi Sala CARE Archaeological Foundation grant. "Human Burial Taphonomy of the Pre-Pottery Neolithic B Site of Kfar HaHoresh, Israel"
- 2001 Faculty Research and Creative Activities Support Fund grant, Western Michigan University. "Human Burial Taphonomy of the Pre-Pottery Neolithic B Site of Kfar HaHoresh, Israel"
- 1998 University Visiting Professorship (Lady Davis Fellowship Trust). Department of Evolution, Systematics, and Ecology at the Hebrew University of Jerusalem, Israel.
- 1998-2000 WMU President's Grant for Outstanding Contributions to Teaching, Western Michigan University.
- 1995-6 Faculty Research and Creative Activities Support Fund Grant, Western Michigan University, "The Avifauna of Ohalo II: Prehistoric human ecology in Israel."
- 1995 WMU Faculty Development Fund for sitting the Board Certification Examination in Forensic Anthropology (ABFA).
- 1993-4 New Faculty Research Support Program Grant, Western Michigan University. "Analysis of Avian Fauna from the Site of Ohalo II, Israel," and "Late Pleistocene Hybrid Zones in the Levant and North Africa: Baboon Models and Species Recognition."
- 1990 University of Tennessee Graduate Student Travel Grant.
- 1989-90 National Science Foundation Doctoral Dissertation Improvement Grant, "Comparative Morphometrics of the Frontal Bone in Hominids."

## AWARDS and HONORS:

- 2022 T. Dale Stewart Award, Anthropology Section, American Academy of Forensic Sciences
- 2007 Merit Award for Contributed Scientific Paper, "Forensic anthropological documentation of patterns of torture in Sri Lanka," (with Clifford Perera and Will Goodwin) 9<sup>th</sup> Indo-Pacific Congress on Legal Medicine and Forensic Sciences, Colombo, Sri Lanka.
- 1999 Merit Award, College of Arts and Sciences Administration, Western Michigan University. For excellence in research, teaching, and service.
- 1998 Merit Award, College of Arts and Sciences Administration, Western Michigan University. For excellence in research.
- 1996 Merit Award, College of Arts and Sciences Administration, Western Michigan University. For excellence in the areas of research, service and teaching.
- 1995 Merit Award, College of Arts and Sciences Administration, Western Michigan University. For excellence in teaching.
- 1995 Inducted as an Honorary Member of the Golden Key National Honor Society.
- 1994 Elected to Sigma Xi, the Scientific Research Society.
- 1994 Merit Award, College of Arts and Sciences Administration, Western Michigan University.
- 1990 Chancellor's Citation for Extraordinary Professional Promise. The University of Tennessee, Knoxville.
- 1989 J. Lawrence Angel Student Paper Award, Physical Anthropology Section, American Academy of Forensic Sciences, "Stature estimation from fragmentary femora: a revision of the Steele method."
- 1988 Elected to Phi Kappa Phi, honor society.

## MANUSCRIPTS IN PREPARATION OR REVIEW

Collazo Maldonado, T, Sodano, J, Mays, D, and **Simmons, T.**

The Effect of Time and Temperature on the Quality of Latent Fingerprints on Incandescent Lightbulbs, Varying Donors Age and Sex. *Journal of Forensic Identification* (in revision)

Simmons, T. and Galloway, A.

"The 'Three Little Pigs' Conundrum: Experimental Design in Forensic Taphonomy" to be submitted to *Science and Justice*.

Randall, S, Cartozzo, C, Singh, B, Swall, J, and **Simmons, T.**

Prediction of Minimum Postmortem Submersion Interval (PMSImin) Based on Eukaryotic Community Succession on Skeletal Remains Recovered from a Lotic Environment

## PUBLISHED PAPERS

Cartozzo, C., Singh, B. and **Simmons, T.**

*In press* Prediction of the Postmortem Interval from the Microbiome. *Forensic Taphonomy* (Ed. M. Sorg) (Publication date pending)

- Simmons, T.** and Galloway, A.  
In press Animal models for human decomposition studies: Utility and Limitations. *Forensic Taphonomy* (Ed. M. Sorg). (Publication date pending)
- Sanitllán, P, Swall, J, Edwards, S and **Simmons, T.**  
2022 Mass Grave Localization Prediction with Geographical Information Systems in Guatemala and Future Impacts. *Journal of Forensic Sciences* 67(1):112-127  
(<https://onlinelibrary.wiley.com/doi/10.1111/1556-4029.14889>)
- Randall, S, Cartozzo, C, **Simmons, T.**, Swall, J, and Singh, B  
2021 Prediction of Minimum Postmortem Submersion Interval (PMSImin) Based on Eukaryotic Community Succession on Skeletal Remains Recovered from a Lentic Environment. *Forensic Science International* 323:110784-110784
- Cartozzo, C, Singh, B, Swall, J, and **Simmons, T.**  
2021 "Postmortem Submersion Interval (PMSI) Estimation from the Microbiome of *Sus scrofa* Bone in a Freshwater Lake" *Journal of Forensic Science* 66(4): 1334-1347 <https://doi.org/10.1111/1556-4029.14692>
- Thornton, I., Cartozzo, C, Singh, B, Mays, D, and **Simmons, T.**  
2021 Development of a Quantitative PCR (qPCR) Based Method for Studying Temporal DNA Degradation in Waterlogged Bone *Journal of Forensic Science*, 66(3):1114-1123  
<https://doi.org/10.1111/1556-4029.14641>
- Cartozzo, C, **Simmons, T.**, Swall, J, and Singh, B  
2021 Postmortem Submersion Interval (PMSI) Estimation from the Microbiome of *Sus scrofa* Bone in a Freshwater River. *Forensic Science International* 318:110480-110480.  
<https://doi.org/10.1016/j.forsciint.2020.110480>
- Connon, C, **Simmons, T.** and Greenspoon, S  
2020 "Crafting an Effective Virtual Classroom in the COVID-19 Pandemic" submitted to *Journal of Forensic Science Education* 2020, 1, 1-7
- Birkenfeld, M, Avner, U, Bar-Yosef Mayer, D, Cummings, L, Natalio, F, Neumann, F, Porat, N, Scott, L, **Simmons, T.**, Toffolo, M, and Kolska Horwitz, L.  
2020 Hunting in the skies: Dating, paleoenvironment and archaeology at the late Pre-Pottery Neolithic B site of Nahal Roded 110, Eilat Mountains, Israel. *Paleorient* Vol. 46 (1-2):43-68
- Colella, O., Boone, E., Buffington-Lester, S, Curan, F., Miller, M. and **Simmons, T.**  
2020 The Effect of Time and Temperature as a Combined Variable on the Viability of Latent Fingerprints Recovered from 60-Watt Incandescent Lightbulbs *Journal of Forensic Sciences* 65(1):90-96 (<https://doi.org/10.1111/1556-4029.14133>)
- Palmer, N., Stein, R., Gronert, S., Wang, Q, and **Simmons, T.**  
2019 Trace isotope analysis of dental enamel for the micro regional geographic attribution of human remains in Virginia. *Journal of the American Society of Trace Evidence Examiners* 9(1):37-63
- Forger, LV, Woolf, MS, **Simmons, T.**, Swall, JL and Singh, B  
2019 A Eukaryotic Community Succession Based Method for Postmortem Interval (PMI) Estimation of Decomposing Porcine Remains. *Forensic Science International* 302 (accepted 26.5. 2019;  
<https://doi.org/10.1016/j.forsciint.2019.05.054>) September
- Birkenfield, M, Horwitz, L, Bar-Yosef, D, Cummings, L, Goldgeier, H, Krakovsky, M, Natalio, F, Nebenhaus, K, Neumann, F, Porat, N, Scott, L, **Simmons, T.**, Yashuv, T, and Avner, U.  
2019 Investigations at Nahal Roded 110 – a Late Neolithic Ritual Site in the Southern Negev. *Antiquity* 93 367, e4: 1–8 <https://doi.org/10.15184/aqy.2019.6>

- Cartozzo, C. Singh, B., Boone, E. and **Simmons, T.**  
2018 DNA Quality and Quantity from Waterlogged Bone: A pilot study testing three extraction methods. *Journal of Forensic Science* 63(6):1830-1835 <https://doi.org/10.1111/1556-4029.13792>
- Heaton, V. Moffat, C. and **Simmons, T.**  
2018 The movement of fly larvae within a feeding aggregation. *The Canadian Entomologist* (<https://doi.org/10.4039/tce.2018.9>)
- Fragkouli, K, Al Hakeem, E, Bulut, O and **Simmons, T.**  
2018 The Effect of Range and Ammunition Type on Fracture Patterns in Porcine Postcranial Flat Bones *Journal of Forensic and Legal Medicine* 53:1-12
- Simmons, T.  
2017 PMI estimation: an overview of techniques (Chapter 10) in *Taphonomy of Human Remains: Forensic Analysis of the Dead and Depositional Environment* (Eds) E.M.J. Schotsmans, N. Márquez-Grant & S. Forbes (editors), pp. 134-142. Chicheshter: John Wiley & Sons, Ltd.
- Harrison, K. and **Simmons, T.**  
2016 Forensic Archaeology and Anthropology. In: *From Crime Scene to Court*, Ed. P.C. White. Chapter 7. Cambridge: Royal Society of Chemistry.
- Moffatt, C, **Simmons, T** and Lynch-Aird, J  
2016 An Improved Equation for TBS and ADD: Establishing a Reliable Postmortem Interval Framework for Casework and Experimental Studies. *Journal of Forensic Sciences* 61(S1):S201-S207
- Simmons, T, Goodburn, B and Singhrao, S  
2016 Decision Tree Analysis as a Supplementary Tool to Enhance Histomorphological Differentiation when Distinguishing Human from Non-human Cranial Bone in both Burnt and Unburnt States: A feasibility study. *Medicine, Science and the Law* 2016, Vol. 56(1) 36–45
- Reber, S and **Simmons, T**  
2015 Interpreting Injury Mechanisms of Blunt Force Trauma from Butterfly Fracture Formation. *Journal of Forensic Sciences* 60(6):1401-1411
- Lynch-Aird, J, Moffatt, C and **Simmons, T**  
2015 Decomposition Rate and Pattern in Hanging Pigs. *Journal of Forensic Sciences* 60(5):1155-1163.
- Alt, K, Benz, M, Vach, W, **Simmons, T** and Goring-Morris, N  
2015 Insights into the social structure of the PPNB site of Kfar HaHoresh, Israel, based on dental remains. *PLoS ONE* 10(9):e0134528. doi:10.1371/journal.pone.0134528, 16 September 2015
- Card, A, Cross, P, Moffatt, C and **Simmons, T**  
2015 The Effect of Clothing on the Rate of Decomposition and *Diptera* Colonization on *Sus scrofa* Carcasses. *Journal of Forensic Sciences* 60(4):979-982.
- Moffat, C and **Simmons, T**  
2015 Forensic entomology research at the University of Central Lancashire's TRACES decomposition facility. *Antenna (Journal of the Royal Entomological Society)* Special Edition, pp.114-115
- Singhrao, S, Harding, A, **Simmons, T**, Robinson, S, Kesavalu, L, Crean, S.  
2014 Oral inflammation, tooth loss, risk factors and association with progression of Alzheimer's disease. *Journal of Alzheimer's Disease* 42: 723–737



- Moffatt, C and **Simmons, T**  
2014 Letter to the Editor - Commentary on: Humphreys MK, Panacek E, Green W, Albers E. Comparison of Protocols for Measuring and Calculating Postmortem Submersion Intervals for Human Analogs in Fresh Water. *J Forensic Sci* 2013; 58(2): 513-517. *Journal of Forensic Sciences* 59(4):1161.
- Heaton, V, Moffatt, C and **Simmons, T**  
2014 Quantifying the Temperature of Maggot Masses and its Relationship to Decomposition. *Journal of Forensic Sciences* 59 (3):676-682
- Troutman, L., Moffatt, C. and **T. Simmons**  
2014 A preliminary examination of differential decomposition patterns in mass graves. *Journal of Forensic Sciences* 59 (3):621-626
- Simmons, T and Heaton, V  
2013 Postmortem Interval: Submerged Bodies. In *Wiley Encyclopedia of Forensic Science*, eds A. Jamieson and A.A. Moenssens, John Wiley: Chichester. DOI: 10.1002/9780470061589.fsa1080. Published 4<sup>th</sup> December 2013.
- Valla, F., Khalaily, K. Samuelian, N., Bridault, A. Rabinovich, R. **Simmons, T.** Dosseur, G., and Ashkenazi, S.  
2013 La structure 215-228 de Mallaha (Eynan), Israël, esai d'analyse spatiale. (The Final Natufian Structure 215-228 at Mallaha (Eynan), Israel: an Attempt at Spatial Analysis) In: *Natufian Foragers in the Levant: Terminal Pleistocene Social Changes in Western Asia*, Eds. O. Bar-Yosef and F. Valla, pp. 146-171. International Monographs in Prehistory, Archaeological Series 19, Ann Arbor.
- Simmons, T.  
2013 Avifauna of the final Natufian of Eynan. In: *Natufian Foragers in the Levant: Terminal Pleistocene Social Changes in Western Asia*, Eds. O. Bar-Yosef and F. Valla, pp. 284-292 International Monographs in Prehistory, Archaeological Series 19, Ann Arbor.
- Goodwin, W. H. and **T. Simmons**  
2013 Disaster Victim Identification. In: Siegel JA and Saukko PJ (eds.) *Encyclopedia of Forensic Sciences*, Second Edition, vol. 1, pp. 332-338. Waltham: Academic Press.
- Simmons, T. and P. Cross  
2013 Forensic Taphonomy. In: Siegel JA and Saukko PJ (eds.) *Encyclopedia of Forensic Sciences*, Second Edition, vol. 1, pp. 12-17. Waltham: Academic Press.
- Widya, M., Moffatt, C. and **T. Simmons**  
2012 The formation of early stage adipocere in submerged remains: a preliminary experimental study. *Journal of Forensic Sciences* 57(2):328-333.
- Gruenthal, A., Moffatt, C. and **T. Simmons**  
2012 Differential Decomposition Patterns in Charred versus Un-Charred Remains. *Journal of Forensic Sciences*. 57(1):12-18.
- Simmons, T., Moffatt, C., Heaton, V. And A. Lagden  
2010 Letter to the Editor "Reply to Madea and Doberentz re. JFS 2010:55:302-307" *Journal of Forensic Sciences*, 55(6):1668.
- Horwitz, L., **Simmons, T.** Lernau, O. and Tchernov, E.  
2010 Fauna from the sites of Gilgal I, II, and III. In: *Gilgal: Early Neolithic Occupations in the Lower Jordan Valley*. Eds: O. Bar-Yosef, Gopher, A. and Goring-Morris, N. Chapter 18, pp. 259-283. Harvard University Press: Cambridge

- Simmons, T. And Hunter, J.  
2010 Forensic Archaeology and Anthropology. In: *From Crime Scene to Court*, Ed. P.C. White. Chapter 16, pp. 468-506. Cambridge: Royal Society of Chemistry.
- Simmons, T., Cross, P., Adlam, R. and Moffatt, C.  
2010 The influence of insects on decomposition rate in buried and surface remains. *Journal of Forensic Sciences* 55(4):889-892
- Bachmann, J. and **Simmons, T.**  
2010 The influence of pre-burial Insect access on the decomposition rate. *Journal of Forensic Sciences* 55(4): 893-900
- Heaton, V., Lagden, A. Moffatt, C. and **Simmons, T.**  
2010 Predicting the Post-Mortem Submersion Interval for Human Remains Recovered from UK Waterways. *Journal of Forensic Sciences* 55(2):302-7
- Cross, P and **Simmons, T.**  
2010 The Influence of Penetrative Trauma on the Rate of Decomposition. *Journal of Forensic Sciences* 55(2):295-301
- Simmons, T., Adlam, R., and Moffatt, C.  
2010 Debugging decomposition data – comparative taphonomic studies and the influence of insects and carcass size on decomposition rate. *Journal of Forensic Sciences*, 55(1):8-13.
- Cross, P., **Simmons, T.**, Cunliffe, R. And Chatfield, L.  
2009 Establishing a taphonomic research facility in the UK. *Forensic Science Policy & Management: An International Journal* 1(4):187-91
- Bridault, A., Rabinovich, R. and **Simmons, T.**  
2009 Human activities, site location and taphonomic process: a relevant combination for understanding the fauna of Eynan (Ain Mallaha), level Ib (final Natufian, Israel). Proceedings of the 8<sup>th</sup> International Meeting of the ASWA (Archaeozoology of Southwestern Asia) held in Lyon – 28 June / 1 July 2006. This volume edited by E. Vila, L. Gourichon, A. Choyke and H. Buitenhuis, Maison de l’Orient et de la Méditerranée in the Series TMO (Travaux de la Maison de l’Orient) 49:99-117.
- Valla F.R., Khalaily H., Valladas H., Kaltnecker, E., Bocquentin F., Cabellos, T., Bar-Yosef-Mayer D., Le Dosseur G., Regev, L., Chu, V., Weiner, S., Boaretto, E., Samuelin, N., Valentin, B., Delerue, S., Poupeau, G., Bridault A., Rabinovich R., **Simmons T.**, Zohar, I., Ashkenazi, S., Deglado Huertas, A., Spiro, B., Mienis, H., Miller-Rosen A., Porat, N., and Belfer-Cohen A  
2007 Les Fouilles de Ain Mallaha (Eynan) de 2003 à 2005: Quatrième Rapport Préliminaire. *Mitkufat Haeven (Journal of the Israel Prehistoric Society)* 37:135-380.
- Adlam, R. and **Simmons, T.**  
2007 The effect of repeated physical disturbance on soft tissue decomposition – are taphonomic studies an accurate reflection of decomposition? *Journal of Forensic Sciences* 52(5): 1007-1014.
- Simmons, T.  
2007 “Fleeing Srebrenica: A surprise attack on a group of men and boys in the mountains,” In: *Forensic Anthropology: Case Studies from Europe*, Eds. M. Brickley and R. Ferllini, Chapter 11, pp.165-182 Springfield: Charles C. Thomas Press.
- Simmons, T. Horwitz, L., and Goring-Morris, N.  
2007 “What ceremony else?”: Ritual treatment of the dead in the Pre-Pottery Neolithic B Mortuary Complex at Kfar HaHoresh, Israel. Pp. 100-126. BAR International Series 1603, "Faces from the Past: Diachronic Patterns in the Biology of Human Populations from the Eastern Mediterranean. Papers in honour of Patricia Smith" Archaeopress, Oxford

- Haglund, W. and **Simmons, T.**  
 2005 Archaeology, Excavation and Retrieval of Remains. In: *The Encyclopedia of Forensic and Legal Medicine*, Vols.1-3, Eds. J. Payne-James, R.Byard, T. Corey and C.Henderson, pp. 89-94. Elsevier Sciences Ltd.
- Simmons, T. and W. Haglund  
 2005 Anthropology in a Forensic Context. In: *Forensic Archaeology: Advances in Theory and Practice*. Eds. J. Hunter and M. Cox, Chapter 6, pp. 159-176. Routledge: London.
- Dani Nadel, Alexander Tsatskin, Miriam Belmaker, Elisabetta Boaretto, Mordechai Kislev, Henk Mienis, Rivka Rabinovich, Orit Simchoni, **Tal Simmons**, Ehud Weiss, Irit Zohar  
 2004 On the shore of a fluctuating lake: Environmental evidence from Ohalo II (19,500 B.P.) *Israel Journal of Earth Sciences* 53:207-223.
- Keough, M. E., **Simmons, T.**, and Samuels, M.  
 2004 Missing persons in post-conflict settings: best practices for integrating psychosocial and scientific approaches. *The Journal of the Royal Society for the Promotion of Health*, 124(6): 271-275.
- Valla F.R., Khalaily H., Valladas H., Samuelian N., March R., Bocquentin F., Bridault A. , Rabinovich R., **Simmons T.**, Le Dosseur G., Bar-Yosef-Mayer D., Miller-Rosen A., Dubreuil L., Belfer-Cohen A  
 2004 Les fouilles à Mallaha en 2000 et 2001: 3ème rapport préliminaire. *Mitkufat Haeven (Journal of the Israel Prehistoric Society)* 34:49-244.
- Simmons, T.  
 2004 "A feather for each wind that blows": Utilizing avifauna in assessing changing patterns in palaeoecology and subsistence at Jordan Valley archaeological sites". In: *Human Palaeoecology in the Levantine Corridor*, Chapter XIII. Eds: N. Goren-Inbar and J. Speth, pp.191-205. Oxford: Oxbow Books.
- Osborne, D., **Simmons, T.** and Nawrocki, S.  
 2004 Reconsidering the auricular surface as an indicator of age at death. *Journal of Forensic Sciences* 49(5):905-911.
- Nadel D., Tsatskin A., Bar-Yosef Mayer D.E., Belmaker M., Boaretto E., Kislev M.E., Hershkovitz I., Rabinovich R., **Simmons T.**, Weiss E., Zohar I., Emmer G., Ghraieb T., Grinberg U., Spivak P., Weissbrod L., Zaidner Y.  
 2003 The Ohalo II 2001 season of excavation: a preliminary report. *Mitkufat Haeven (Journal of the Israel Prehistoric Society)* 33: 9-36.
- Nadel, D., A. Tsatskin, D.E. Bar-Yosef Mayer, M. Belmaker, E. Boaretto, M.E. Kislev, I. Hershkovitz, R. Rabinovich, **T. Simmons**, E. Weiss, I. Zohar, O. Asfur, G. Emmer, T. Ghraieb, U. Grinburg, H. Halabi, L. Weissbrod, and Y. Zaidner  
 2002 The Ohalo II 1999-2000 seasons of excavation: a preliminary report. *Mitkufat Haeven (Journal of the Israel Prehistoric Society)* 32: 17-48.
- Simmons, T.  
 2002 The Birds of Ohalo II. In: *Ohalo II: A 23,000-year-old Fisher-Hunter-Gatherers' Camp on the shore of the Sea of Galilee*. Ed: Dani Nadel. (Hebrew pp. 29-32; English pp. 32-36). Reuben and Edith Hecht Museum, University of Haifa.
- Simmons, T.  
 2002 Taphonomy of a Karstic Cave Execution Site at Hrgar, Bosnia-Herzegovina. In: *Advances in Forensic Taphonomy: Method, Theory and Archaeological Perspectives*. Eds: W. Haglund and M. Sorg, pp.263-275. Boca Raton: CRC Press, Inc.
- Nadel, D., Tsatskin, A., Zertal, A. and **Simmons, T.**  
 1999 Ein Suhun -- a PPNA/B site in the Eastern Sumarian Hills. *Neo-Lithics: A Newsletter of Southwest Asian Lithics Research* 2/99: 3-4.

- Simmons, T.  
1999 Home Alone: Distinguishing Blunt Force Trauma from Possible Taphonomic Processes. In: *Broken Bones: Anthropological Analysis of Blunt Force Trauma*. Ed: A. Galloway, pp. 301-303. Springfield: Charles C. Thomas.
- Simmons, T.  
1999 Migration and Contact Zones in Modern Human Origins: Baboon models for hybridization and species recognition. *Anthropologie* (Brno): XXXVII (1):101-109.
- Burge, B. Mumcoughlu, M. and **Simmons, T.**  
1999 The Effects of Sambucol<sup>®</sup> on Flu-like Symptoms in Chimpanzees (*Pan troglodytes*): Prophylactic and Symptom-dependent Treatment. *International Zoo News*, Vol. 46/1(290):16-19.
- Simmons, T. and Nadel, D.  
1998 The Avifauna of the Early Epipalaeolithic Site of Ohalo II (19,400 B.P), Israel: Species Diversity, Habitat, and Seasonality. *International Journal of Osteoarchaeology*, 8:79-96
- Galloway, A. and **Simmons, T.**  
1997 Education in Forensic Anthropology: Appraisal and Outlook. *Journal of Forensic Sciences*, 42(5):796-801.
- Simmons, T.  
1997 Late Pleistocene Hybrid Zones in the Levant and North Africa: Baboon Models and Species Recognition. In: *The Human Tide: Human Colonization and the Paleolithic Archaeological Record*. Eds: A. Velichko and O. Soffer, pp. 85-96. INQUA, Moscow (in Russian)
- Smith, F. H., Falsetti, A. B., and **Simmons, T.**  
1995 Circum-Mediterranean biological connections and the pattern of late Pleistocene human evolution. In *Man and Environment in the Palaeolithic*, Ed. H. Ullrich, pp. 197-207. Liege: Etudes et Recherches Archéologiques de Université de Liège (E.R.A.U.L.), n°62.
- Simmons, T.  
1994 Archaic and Modern *Homo sapiens* in the Contact Zones: Evolutionary schematics and model predictions. In *Origins of Anatomically Modern Humans*, Eds. M. Nitecki and D. Nitecki, pp. 201-225. Interdisciplinary Contributions to Archaeology series. New York: Plenum Press.
- Simmons, T. and Smith, F. H.  
1991 Human Population Relationships in the Late Pleistocene. *Current Anthropology*, (December) 32:623-627.
- Simmons, T., Falsetti, A.B., and Smith, F.H.  
1991 Frontal Bone Morphometrics of Southwest Asian Pleistocene Hominids. *Journal of Human Evolution*, 20:249-269.
- Simmons, T., Jantz, R.L., and Bass, W.M.  
1990 Stature estimation from fragmentary femora: Revision of the Steele Method. *Journal of Forensic Sciences*, 35(3):628-636.

#### BOOK REVIEWS:

- Simmons, T.  
2010 Review of: Maureen Schaefer, Sue Black and Louise Scheuer's *Juvenile Osteology: A Laboratory and Field Manual*. Academic Press, Amsterdam. 2009 In: *Science and Justice* 50(3): 162-163

- Simmons, T.  
2002 Review of: William J. Farrant's *Depositional History of Franchthi Cave: Sediments, Stratigraphy, and Chronology*. Bloomington: Indiana University Press. 2000. In *American Antiquity* 67(2): 384-5.
- Simmons, T.  
1992 Review of: G. Philip Rightmire's *The Evolution of Homo erectus: Comparative Anatomical Studies of an Extinct Human Species*. New York: Cambridge University Press. 1990. In *American Scientist*, Vol. 80 (November-December), pp. 612-613.

#### **TECHNICAL REPORTS:**

- 2019 Forensic Case report (co-authored with Stephanie Walcott) Forensic Architecture
- 2018 Forensic case report to Yazda, Iraq.
- 2016 -- Forensic case reports to Amnesty International, Washington, DC (AAAS Scientists On-Call)
- 2015-- Forensic case reports to the Virginia OCME, Central and Tidewater Districts
- 2007-14 Forensic case reports to the Lancashire, Cheshire and East Midlands Constabularies, Preston, UK.
- 2003 (with Bill Haglund and Melissa Connor) Comments on "Inforce Protocols for Investigating Mass Graves, Version 3" From International Forensic Program of Physicians for Human Rights (November)
- 2003 Forensic case reports to Kent Police, Crime Scene Investigation Unit, Kent, UK
- 2003 The Avifauna of Eynan. (To: Francois Vallas. CNRS)
- 2002 The Fauna of Ain Darat (with Liora Kolska Horwitz).
- 2000 Presumptive Identification System design and Project Reports for Organization for Security and Cooperation in Europe (OSCE) (internal documents), Human Rights Division, Pristina, Kosovo.
- 1999 Forensic Monitoring Project Reports to Physicians for Human Rights (internal documents)  
Examination and Identification of skeletal remains from Chemmani, Sri Lanka.
- 1999 Forensic Project Reports to Physicians for Human Rights (internal documents) and to the Foreign Affairs Division, Cypriot Government  
Exhumations and Laboratory Procedures at the Lakatamia Cemetery and Constantine and Helena Cemetery.
- 1998 Forensic Monitoring Project Reports to Physicians for Human Rights (internal documents)  
Re-examination of bodies exhumed by the International Criminal Tribunal for the Former Yugoslavia in 1996.
- 1997 Forensic Monitoring Project Reports to Physicians for Human Rights (internal documents) and to the Expert Group on Exhumations and Identifications (Office of the High Representative, Sarajevo).  
Gorazde-Sarajevo Grebak Mountain Passage; Gorazde-Drina River; Gorazde Burnt House; Hrgar-Jama, Bihac; Suhi-Potok executions, Gorazde; Kravica-Konjatic Polje (Srebrenica).
- 1991-2006 Forensic reports to local and state medico-legal officials in Michigan re. the recovery, analysis and identification of human remains (mean = 5 per year).
- 1988 The estimation of stature from fragments of the femur: a revision of the Steele Method. (with W. M. Bass and R. L. Jantz). Final Report submitted to Universal Energy Systems, Sept. 23, 1988.

## OTHER PUBLICATIONS:

- Simmons, T.  
2005 The Red Panda (*Ailurus fulgens*), *Animal in Focus*, June 2005, [www.jerusalemzoo.org.il](http://www.jerusalemzoo.org.il)
- Simmons, T.  
2005 The Tawny Frogmouth (*Podargus strigoides*), *Animal in Focus*, May 2005, [www.jerusalemzoo.org.il](http://www.jerusalemzoo.org.il)
- Simmons, T.  
2005 Hand-Raising a Baby Zoo-Keeper, *Propil – The Newsletter of the Tisch Family Zoological Gardens*. (Summer).
- Simmons, T.  
2002 Cooperation between the Jerusalem Biblical Zoo and the Archaeozoology Laboratory of Hebrew University. *Propil – The Newsletter of the Tisch Family Zoological Gardens*. (May)
- Simmons, T.  
1999 Faith inspiring, Defying: Human rights forensic anthropology in Bosnia-Herzegovina. *Bryn Mawr College Alumnae Bulletin*, pp. 16-19. Winter 2000.

## PUBLISHED ILLUSTRATIONS:

- 2014 in Singhrao, S, Harding, A, **Simmons, T**, Robinson, S, Kesavalu, L, Crean, S. Oral inflammation, tooth loss, risk factors and association with progression of Alzheimer's disease. *Journal of Alzheimer's Disease* 42: 723–737
- 1983-2002 in *Human Variation: Races, types, and ethnic groups*, 2<sup>nd</sup>-5th editions, by S. Molnar. Prentice Hall, Inc.
- 1985 in "Affluent foragers of Mesolithic Scandinavia," by T.D. Price, in *Prehistoric Hunters and Gatherers: the emergence of cultural complexity*, eds. T.D. Price and J.A. Brown. New York: Academic Press.

## INVITED PAPERS/LECTURES:

- 2019 Simmons (2019) Using the Microbiome to Predict the Postmortem Submersion Interval in Waterlogged bone. Presentation at the Site Visit with Dr. Srirama Rao, Vice President for Research Environmental and Ecological Research Opportunities at VCU (1 April 2019)
- 2019 Forensic Anthropology in the service of Human Rights. State University of New York, Albany. (April)
- 2018 Forensic Anthropology in the service of Human Rights. Global Issues Colloquium, Truman State University, Kirksville, Mo. (September)
- 2018 Forensic Anthropology and Human Rights, Honors College Berglund Seminar, VCU. (September)
- 2017 Trauma Analysis in Forensic Anthropology. Biomedical Engineering Seminar Series, School of Engineering, Virginia Commonwealth University (October)
- 2017 Forensic Anthropology and Postmortem Identification in Conflict Zones. Office of the Chief Medical Examiner, VA. (May)
- 2016 Assessment and Documentation of Mass Graves. Presentation to Amnesty International's Crisis Team (May)
- 2015 Applications of DNA for re-association of skeletal elements and familial matching to the East Marshall Street Well Project. The 3<sup>rd</sup> East Marshall Street Well Project Community Consultation, Martin Luther King, Jr. Middle School, Richmond VA (May)

- 2015 Decomposition around the world: a preliminary view. Taphonomy Working Group at the AAFS, Orlando, FL (February)
- 2013 Forensic Anthropology for Crime Scene Investigators. Greater Manchester Police. (September)
- 2013 Forensic Taphonomy. Odontological Society of Liverpool (March)
- 2012 Forensic Taphonomy: Estimating the Postmortem Interval. 1st Kahramanmaras International Symposium on Crime Investigation and Forensic Sciences. Kahramanmaras, Turkey (May)
- 2011 Estimating the postmortem interval. Presentation to the British Association of Forensic Odontology (BAFO). Annual conference, in York. (November)
- 2008 "The Taphonomy of Execution and Ambush Sites in the Balkan War," New Perspectives in Conflict Archaeology Conference, The Royal Logistics Corps Museum, The Princess Royal barracks, Deepcut (July)
- 2006 "Forensic Anthropology: Responsible and Responsive Education" Forensic Research and Teaching (FORREST) Conference, Preston (September)
- 2006 "Forensic Anthropology" in "Interdisciplinary work in mass disasters", Forensic Evidence: Guilty or Innocent? CRFP Stakeholder's Conference, Warwick (September)
- 2006 "Forensic anthropology and international investigations." Department of Forensic Sciences, Faculty of Health and Sciences, Staffordshire University (March)
- 2004 "Post conflict forensic investigations: integrating the needs of the scientific and missing persons communities." Irish Centre for Human Rights, International Humanitarian Law Programme, University of Galway, Ireland. (October)
- 2004 "A feather for each wind that blows": Utilizing avifauna in assessing changing patterns in palaeoecology and subsistence at Jordan Valley archaeological sites. Cambridge University. (January)
- 2002 Talons, Feathers and Food: Avifaunal trends in Jordan Valley archaeological sites" University of Michigan, Museum of Anthorpology, Ann Arbor (October).
- 2002 "A feather for each wind that blows": Assessing seasonality and habitat from Avian migration patterns. Institute of Advanced Studies, Hebrew University of Jersusalem, "Palaeoecology of the Levantine Corridor" Conference.
- 2002 The birds of Ohalo II. Haifa University, Reuven and Edith Hecht Museum. (June)
- 2001 Documenting Human Rights Violations Through Forensic Anthropology. Doctors for Social Conscience, Michigan State University Medical School, East Lansing, MI (April)
- 2001 Forensic Anthropology and the Documentation of Human Rights Violations. Keynote Address, Michigan Academy High School Conference. Gilmore Center, Kalamazoo, MI (March)
- 2000 Missing Persons are Good, Bodies are Bad: The process and politics of identifying the dead in the Balkan War. Chico State University, CA. (February)
- 2000 Seeing the Forest (and not missing the trees): Large Scale International Forensic Missions. Chico State University, CA. (February)
- 1999 War Crimes Exhumations and Identifications in Bosnia: A holistic approach to forensic anthropology. Michigan State University, East Lansing. (April)
- 1998 Human Rights Forensic Anthropology: It's more than digging graves. University of Indiana, South Bend. (October)

- 1998 Ethical Considerations in the Investigation of Human Rights Violations and War Crimes: Forensic Anthropology in Bosnia. Midwest BioArchaeology and Forensic Association meetings, Iowa City, IO (October)
- 1998 Forensic Anthropology and Human Rights in Bosnia. Hebrew University Lecture of the Month. Jerusalem, Israel. (April)
- 1998 Taphonomy and Recovery of Human Skeletal Remains in Bosnia. Board of Anthropology Studies, University of California, Santa Cruz, CA. (February)
- 1998 Forensic Anthropology and Human Rights in Bosnia. Department of Anthropology, Northern Illinois University, DeKalb, IL. (January)
- 1998 Skeletal Trauma in Bosnian Victims of Ethnic Cleansing. Departments of Pathology and Orthopaedics, University of Texas Medical branch, Galveston, TX. (January)
- 1997 "The Meaning of Modernity in Middle Eastern Mousterian Hominids" Invited Symposium, "What is Modern About Modern Humans: Prospects for understanding the archaic/modern dichotomy." American Association of Physical Anthropologists. April: St. Louis, Missouri.
- 1996 "Paleolithic Cave Archaeology in Israel: From Goat Dung to Spectrographic Analysis" Kalamazoo Chapter of the Michigan Archaeological Society (10 October 1996)
- 1996 "The Position of a Forensic Anthropologist in Conjunction with a Mass Disaster" (with R. Sundick). Managing Mass Casualty/Disaster - Are You Ready?, Kalamazoo County Medical Examiner Annual Conference, Kalamazoo, MI (16-17 May 1996)
- 1996 "The Archaeology of Crime: Forensic Anthropology in the Investigation of Homicide." Keynote Speaker, Undergraduate Research Symposium, Northeast Missouri State University, Kirksville, MO (29 March 1996)
- 1995 "African Origins of Humankind." For "Africa Today," the African Studies Lecture Series sponsored by the Office of International Affairs, the Asian Studies Program, The Lee Honor's College, The Department of Political Science, and The Institute of Government and Politics at Western Michigan University (12 September 1995)
- 1994 "Archaeological Methods of Recovery in Forensic Anthropology." Chicago Archaeological Society. (24 April 1994)
- 1993 "Hybrids, Variability, and Species Recognition in the Late Pleistocene Levant." Palaeoanthropology Journal Club, Anthropology Department, University of Michigan, Ann Arbor. (27 October 1993)
- 1993 "Late Pleistocene Hybrid Zones in the Levant and North Africa: Baboon models and species recognition." The Human Tide - Human Colonization and the Paleolithic Archaeological Record, an International Symposium sponsored by the Werner-Gren Foundation for Anthropological Research and INQUA. 15-19 June, 1993.
- 1991 "Archaic and Modern *Homo sapiens* in the Contact Zones: North Africa and the Levant." Origins of Anatomically Modern Humans - 14th Annual Spring Systematics Symposium, Field Museum of Natural History, Chicago. 11 May 1991.
- 1990 "North African Hominid Frontal Morphology: Complex Population Relations in the Late Pleistocene." Chicago Primatological Society. 14 December 1990.
- 1990 "Frontal Bone Morphology of Late Pleistocene Hominids: Regional Perspectives on Modern Human Origins." Departments of Biology, Sociology and Anthropology, Loyola University, Chicago. 5 December 1990.



## PAPERS PRESENTED at PROFESIONAL MEETINGS:

- 2022 A81 Open Source Geographic Information Systems (GIS) Models for Clandestine Mass Grave Prediction in Developing vs. Industrialized Countries (Perla Santillán, MSFS\*; Tal Simmons, PhD)
- 2022 A159 Testing the Efficacy of Bone Surface Swab Sampling of Microbial Colonization to Determine Postmortem Submersion Interval (PMSI) in Lentic and Lotic Environments (Sarah Rose, BSc\*; Hannah Johnson, MSc; Claire Cartozzo, PhD; Jenise Swali, PhD; Tal Simmons, PhD; Baneshwar Singh, PhD)
- 2021 The Antiquity of Raptor Migrations over Eilat (Israel): Evidence from the 8th Millennium BC Site of Nahal Roded 110. (Tal Simmons, Michal Birkenfeld, Uzi Avner and Liora Kolska Horwitz) (12 Oct 2021) Raptor Research Foundation conference (virtual)
- 2021 A58 Mass Grave Localization Prediction With Geographical Information Systems in Guatemala and Future Impacts (Perla Santillan, MS\*; Scott Edwards, PhD; Jenise Swall, PhD; Tal Simmons, PhD)
- 2021 B92 An Evaluation of Five Methods to Develop Latent Prints on Thermal Paper (Jenna M. Pregent, BS\*; Tal Simmons, PhD; Janine Sodano, MS; Jennie Mouer, MS)
- 2021 B106 A Comparison of Sampling Techniques of Surface and Bulk Dental Enamel for Analysis With Inductively Coupled Plasma/Mass Spectrometry (ICP/MS). Elora C.D. Wall, BS\*; Joseph B.M. Turner, PhD; Tal Simmons, PhD
- 2020 HHRRC 4 Scene Documentation for Human Rights Investigators (Poster) Tal Simmons, PhD; Scott Edwards, PhD
- 2020 A97 Prediction of Minimum Postmortem Submersion Interval (PMSI<sub>min</sub>) Based on Eukaryotic Community Succession on Skeletal Remains Recovered From an Aquatic Environment Sala D. Randall, BS\*; Claire M. Cartozzo, MS; Tal Simmons, PhD; Jenise Swall, PhD; Baneshwar Singh, PhD
- 2020 A132 Postmortem Submersion Interval (PMSI) Estimation From the Microbiome of Bone in a Freshwater River Claire M. Cartozzo, MS\*; Baneshwar Singh, PhD; Jenise Swall, PhD; Tal Simmons, PhD
- 2020 E46 Modeling Postmortem Submersion Interval (PMSI) Estimation From the Microbiome of Bone in a Freshwater Lake Claire M. Cartozzo, MS\*; Baneshwar Singh, PhD; Jenise Swall, PhD; Tal Simmons, PhD
- 2020 H69 Creating a Real Time-Quantitative Polymerase Chain Reaction (RT-qPCR) –Based Method for Studying Temporal DNA Degradation in Waterlogged Bone Isis Thornton\*; D’Arcy P. Mays III; Baneshwar Singh, PhD; Claire M. Cartozzo, MS; Tal Simmons, PhD
- 2020 H77 A Postmortem Interval (PMI) Estimation Based on Eukaryotic Community Associated With Soil Under Decomposing Porcine Remains Amanda M. Haase, BS\*; Shane Woolf, MS; Tal Simmons, PhD; Jenise Swall, PhD; Baneshwar Singh, PhD
- 2020 H159 Estimating the Postmortem Submersion Interval (PMSI) From the Microbiome of Bone in Lacustrine and Riverine Environments in Virginia Claire M. Cartozzo, MS\*; Baneshwar Singh, PhD; Jenise Swall, PhD; Tal Simmons, PhD
- 2020 H161 The Impact of Insect Exclusion on Eukaryotic Community Succession on Porcine Remains Denise Wohlfahrt, BS\*; Luisa V. Forger, MS; Michael Shane Woolf, MS; Tal Simmons, PhD; Baneshwar Singh, PhD
- 2020 H126 The Effect of Mass-Generated Heat on Larval Development: Implications for Postmortem Interval (PMI) Estimates Vivienne G. Heaton, PhD\*; Colin Moffatt; Tal Simmons, PhD
- 2020 H128 A Survey of Bacterial Communities in Soil Associated With Porcine Remains Denise Wohlfahrt, BS; Kailey Babcock, BS\*; Shane Woolf, MS; Tal Simmons, PhD; Baneshwar Singh, PhD

- 2019 Horwitz L.K., Birkenfeld M., Simmons T. and Avner U. 2019 "Up, up and away: Avian remains from the LPPNB site of Nahal Roded 110". Paper presented at workshop on "People and Birds", Oxford Brookes University, UK. 13<sup>th</sup> December.
- 2019 A Preliminary Study of Megyesi's Formula for Estimating the Post-mortem Interval in Anatolian Climate (with O. Bulut and E. Karapazarlioglu) Forensic Anthropology Society of Europe, September: Brussels
- 2019 Postmortem Submersion Interval (PMSI) Estimation from the Microbiome of Bone in a Freshwater Lake Across 4,750 Accumulated Degree Days (ADD) (with C. Cartozzo and B. Singh) American Academy of Forensic Sciences, February: Baltimore
- 2019 The Application of Eukaryotic Community Succession on Porcine Remains for Postmortem Interval (PMI). (with L. Forger, B. Singh, J. Swall, and S. Woolf) American Academy of Forensic Sciences, February: Baltimore
- 2019 Birkenfeld M., Avner U., Simmons T. and Horwitz L.K. 2019 Birds flying high: the LPPNB site of Nahal Roded 110. Presented at "Ontologies and material culture in indigenous hunter-gatherer groups: can we identify ontologies in the past?" French Research Center in Jerusalem (CRFJ), Jerusalem. 6th June.
- 2018 Submersion Interval (PMSI) From the Microbiome of Bone in a Fresh Water Lake (with C. Cartozzo, B. Singh, E. Boone) American Academy of Forensic Sciences, February: Seattle
- 2018 Is Latent Print Viability Affected by Heat (Accumulated Degree Hours) From 60-Watt Incandescent Light Bulbs? (with O. Colella, S. Buffington-Lester, F. Curran) American Academy of Forensic Sciences, February: Seattle
- 2018 The Application of Eukaryotic Community Succession on Porcine Remains for Postmortem Interval (PMI) Estimation (with L. Forger, B. Singh, S. Wolf) American Academy of Forensic Sciences, February: Seattle
- 2018 The American Board of Forensic Taphonomy (ABFTaph): A Multidisciplinary Approach to Decomposition (with A. Roe, D. Carter, L. Hihggley, N. Haskell) American Academy of Forensic Sciences, February: Seattle
- 2018 Trace Isotope Analysis of Dental Enamel for Micro Regional Geographic Attribution of Human Remains in Virginia (with N. Palmer, S. Gronert, Q. Wang) American Academy of Forensic Sciences, February: Seattle
- 2018 Is Latent Print Viability Affected by Heat (Accumulated Degree Hours) From 60-Watt Incandescent Light Bulbs? (with Colella, O., Buffington-Lester, S., Curran, F. and Miller, M.) Impression, Pattern and Trace Evidence Symposium (IPTES) January, Arlington, VA
- 2018 Trace Isotope Analysis of Dental Enamel for Micro Regional Geographic Attribution of Human Remains in Virginia (with N. Palmer, S. Stein, R., Gronert, Q. Wang) Impression, Pattern and Trace Evidence Symposium (IPTES,) January Arlington, VA.
- 2017 Trace Element Analysis of Dental Enamel for the Geographic Attribution of Unidentified Remains (with Robert Stein, Christopher Ehrhardt, and Jennifer Hankle) American Academy of Forensic Sciences, February: New Orleans
- 2017 Predicting the Post-mortem Submersion Interval using the Microbiome of Waterlogged Bone (with Claire Cartozzo, Baneshwar Singh, and Ed Boone) American Academy of Forensic Sciences, February: New Orleans
- 2017 DNA Recovery From Waterlogged Bone: a test of three methods (with Claire Cartozzo, Baneshwar Singh, and Ed Boone) American Academy of Forensic Sciences, February: New Orleans

- 2017 The Hidden Witness: Changes in Bacterial Community Structure and the Estimation of Long-Term Postmortem Interval (PMI) (with Shane Woolf, Ness Suffrin and Baneshwar Singh) American Academy of Forensic Sciences, February: New Orleans
- 2017 Comparing the Decomposition of Partially Suspended (Semi-Recumbent) Pigs With Fully Suspended Hanging Pigs and Fully Recumbent Pigs in Direct Contact With the Ground (with Jeanne Lynch-Aird and Colin Moffatt) American Academy of Forensic Sciences, February: New Orleans
- 2016 Around the World in Accumulated Degree Days (with Colin Moffat,; Ozgur Bulut, Natnipoon Rattananarungruang, Amanda L. Roe, and Donald F. Siwek) American Academy of Forensic Sciences, February: Las Vegas
- 2016 Volatile Organic Sulphur Compounds (VOSCs) and Accumulated Degree Days (ADD): Timing the Switch from Anaerobic to Aerobic Putrefaction (with Philip L. Houldsworth) American Academy of Forensic Sciences, February: Las Vegas
- 2016 No Fly Zone: Decomposition in the Absence of Insects (with Michael S. Woolf and Baneshwar Singh) American Academy of Forensic Sciences, February: Las Vegas
- 2016 The Six Little Pigs: Estimation of Long-Term Postmortem Interval (PMI) Based on Bacterial Community Succession in Porcine Remains (with Michael S. Woolf, Vanessa Suffrin, and Baneshwar Singh) American Academy of Forensic Sciences, February: Las Vegas
- 2015 Creating a Customized 3D Printed Osteology Study Collection (with Bernard K. Means and t. Simmons-Ehrhardt) Mid-Atlantic Bioanthropology Interest Group, October: Richmond, VA
- 2014 Fracture Patterns in Postcranial Flat Bones Inflicted With High-Velocity Expanding Ammunition From Two Different Ranges (with K. Fragkouli). American Academy of Forensic Sciences, February: Seattle, WA.
- 2014 The Effect of Clothing on the Rate of Decomposition and Insect Colonization on *Sus Scrofa* Carcasses (with A. Card, P. Cross, C. Moffatt). American Academy of Forensic Sciences, February: Seattle, WA.
- 2013 To be or not to be a Levantine Aurignacian - Aves exploitation at Hayonim Cave (Layer D) (with A. Belfer-Cohen, O. Bar-Yosef, and R Rabinovich) ASWA
- 2013 BAFA Curriculum for Forensic Practitioner Certification: Managing Student Expectations. (with G. MacKinnon, C. Wilkinson, and L. Hackman) Forensic Research and Teaching (FOREST) Conference. June: Anglia Ruskin University, Cambridge.
- 2013 The consistency of ADD, TBS and decomposition rate: A validation study spanning five years. (with C. Moffatt) American Academy of Forensic Sciences, February: Washington, D.C.
- 2012 Decomposition of dismembered pig carcasses in insect repellent and conventional waste disposal bags. (with Kassra Scholl ). American Academy of Forensic Sciences, February: Atlanta, GA.
- 2012 Decomposition pattern and rate in hanging pigs. (with Jeanne Lynch-Aird). American Academy of Forensic Sciences, February: Atlanta, GA.
- 2012 The influence of topical application of cosmetic products on the rate of decomposition and insect activity on pig carcasses. American Academy of Forensic Sciences, February: Atlanta, GA.
- 2011 Estimating Weight at Death from Decomposed Remains. British Association of Human Identification. Manchester. (Oct)
- 2011 Variance in Growth Rates of *Calliphora vomitoria* on Different Tissue Types: Mass Raised vs. Single Raised (with B. McSweeney). American Academy of Forensic Sciences, February: Chicago, IL.

- 2011 The Relationship Between Directionality of Force and the Formation of Butterfly Fractures (with T. Thomas). American Academy of Forensic Sciences, February: Chicago, IL.
- 2011 The Relationship Between Ambient Temperature and the Temperature of Maggot Masses on Decomposing Pig and Rabbit Carcasses (with A. Troy and C. Moffatt) American Academy of Forensic Sciences, February: Chicago, IL.
- 2010 Development and validation of regional spatial prediction "Isoscape" models for the provenancing of unidentified human remains. (with Robert Posey, Khudooma Al-Na'imi, Henriette Ueckerman and Dr. Jurian Hoogewerff). FIRMS, April: Washington, D.C.
- 2010 Recollected vs. actual stature: how does the height reported by next of kin measure up? (with L. Duhaime). American Academy of Forensic Sciences, February: Seattle, WA.
- 2010 Effects of heat modification on sharp force trauma in charred remains. (with D. Vincent). American Academy of Forensic Sciences, February: Seattle, WA.
- 2010 Taphonomic processes involved with the decomposition of human remains within the Puget Sound (with S. Huntington). American Academy of Forensic Sciences, February: Seattle, WA.
- 2010 An investigation into the rate of decomposition of decapitated heads and heads with an attached body (with E. Walker). American Academy of Forensic Sciences, February: Seattle, WA.
- 2010 Establishing a taphonomic research facility in the United Kingdom (with p. Cross, R. Cunliffe, and L. Chatfield). American Academy of Forensic Sciences, February: Seattle, WA.
- 2009 "Bugs Bunny? No Bugs Bunny" (with P. Cross, R. Adlam, and C. Moffatt). American Academy of Forensic Sciences, February: Denver CO.
- 2008 "Debugging Decomposition Data" (with C. Moffatt and R. Adlam). American Academy of Forensic Sciences, February: Washington, D.C.
- 2008 "Computer simulation for drift trajectories of objects in the Magdalena River, Colombia" (with A.C. Guatame-Garcia and L. A. Camacho). American Academy of Forensic Sciences, February: Washington, D.C.
- 2008 "Decomposition scoring as a method for estimating the postmortem submersion interval of human remains recovered from United Kingdom Rivers – A Comparative Study." (with A. Lagden) American Academy of Forensic Sciences, February: Washington, D.C.
- 2007 "Presumptive (mis)identification rates for the Balkans, "9<sup>th</sup> Indo-Pacific Congress on Legal Medicine and Forensic Sciences, Colombo, Sri Lanka.
- 2007 "Forensic anthropological documentation of patterns of torture in Sri Lanka," (with Clifford Perrera and Will Goodwin) 9<sup>th</sup> Indo-Pacific Congress on Legal Medicine and Forensic Sciences, Colombo, Sri Lanka.
- 2007 "The Taphonomy of Execution and Ambush Sites in the Balkan War," Witness to War: Conflict Archaeology, 7<sup>th</sup> Annual Battlefield Archaeology Conference, Royal Logistical Corps Museum, Deepcut, UK.
- 2007 "Calibre Estimation from Fracture Patterns in Pig Femora," (with Joanna Kay) 10 May 2007, SPARC (Salford Postgraduate Annual Research Conference) -Salford University
- 2007 "Bullet Type and Calibre Estimation from Fracture Patterns in Pig Femora," (with Joanna Kay) 28 June 2007, PRISM (Postgraduate Researchers in Science/Medicine) - University of Chester

- 2007 "Considerations for ethical standards in forensic anthropology" Symposium on the Fourth Era of Anthropology: Examining the future of the Discipline. (with Alison Galloway) American Academy of Forensic Sciences. February: San Antonio. "Long bone ratios for the Bosnian male population" (with Alexandra Klonowski) American Academy of Forensic Sciences. February: San Antonio.
- 2007 "Forensic anthropology investigation of human rights violations in the Ixil and Ixcán areas, Guatemala" (with Lourdes Penados) American Academy of Forensic Sciences. February: San Antonio.
- 2007 "The decomposition of human remains recovered from the River Clyde, Scotland: a comparative study of UK fluvial systems" (with Vivienne Heaton) American Academy of Forensic Sciences. February: San Antonio.
- 2007 "Decomposition in a Mass grave and the implications for postmortem interval estimates" (with Rebecca White) American Academy of Forensic Sciences. February: San Antonio.
- 2007 "Sex estimation based on the calcaneus, talus, and metatarsal length" (with Dawn Strohmeier) American Academy of Forensic Sciences. February: San Antonio.
- 2006 "Long bone ratios for the Bosnian male population: A new method in re-association of commingled remains" (with Alexandra Klonowski) FORREST Conference. September: Preston
- 2006 "Forensic anthropology and the investigation of human rights violations in the Ixil and Ixcán areas, Guatemala" (with Lourdes Penados-Ceren) FORREST Conference. September: Preston
- 2006 "Decomposition in a mass grave and the implications for postmortem interval estimates" (with Rebecca White) FORREST Conference. September: Preston
- 2006 "The decomposition of human remains recovered from the River Clyde, Scotland: A comparative study of UK fluvial systems" (with Viv Heaton) FORREST Conference. September: Preston
- 2006 "Sex estimation from the curvature of the iliac crest" (with Sally Gordon) FORREST Conference. September: Preston
- 2006 "Estimating sex from mandibular ramus flexure: testing and evaluating a revised method" (with Rebecca Sheen) FORREST Conference. September: Preston
- 2006 "Sex and stature estimation based on the calcaneus, talus, and metatarsal length" (with Dawn Strohmeier) FORREST Conference. September: Preston
- 2006 "Human activities, site location, chronological position and taphonomic process : a relevant combination for understanding the fauna of Eynan/Ain Mallaha, level Ib (final Natufian, Israel" (with Anne Bridault and Rivka Rabinovich ). International Congress on Archaeozoology. June: Lyon.
- 2006 "Assessing the effect of a repeated physical disturbance associated with data collection in experimental decomposition studies" (with Rachel Adlam). American Academy of Forensic Sciences. February: Seattle.
- 2006 "The accuracy of antemortem data and presumptive identification: appropriate procedures, applications, and ethics" (with Mark Skinner) American Academy of Forensic Sciences. February: Seattle.
- 2006 "Evidence vs. identification: the role of humanitarian organizations in the Balkans 1992-2002" (with Abbie Cuff) American Academy of Forensic Sciences. February: Seattle.
- 2006 "Restructuring data collection strategies and investigative priorities in the resolution of mass fatality incidents" (with Andrew Tyrrell, Elias Kontanis, and Paul Sledzik) American Academy of Forensic Sciences. February: Seattle.
- 2004 "Rapid responses to International Incidents: to go or not to go (or when to go and how to go)?" (Organizer and panelist) American Academy of Forensic Sciences. February: Dallas.

- 2002 "What ceremony else?": Ritual treatment of the dead in the Pre-Pottery Neolithic B Mortuary Complex at Kfar HaHoresh, Israel. Midwest Bioarchaeology and Forensic Anthropology meetings. October: Indianapolis, IN.
- 2001 Victim identification standards in human rights missions: transparency in professional standards and ethics (with W. Haglund). American Academy of Forensic Sciences. February: Seattle.
- 2001 Age indicators are population specific - caution! (With M. Lagrou). American Academy of Forensic Sciences. February: Seattle.
- 2000 Laboratory Management in International Forensic Anthropology Missions. American Academy of Forensic Sciences. February: Reno.
- 1999 Seeing the Forest (and not missing the trees): Large Scale International Forensic Missions. Midwest BioArchaeology and Forensic Association meetings. October: Lansing, MI
- 1999 Revising Age Estimation Standards for a Bosnian Forensic Population: clavicle, rib, and pubic symphysis. American Association of Physical Anthropologists. April: Columbus, OH.
- 1999 Evaluating Age Estimation in a Bosnia Forensic Population: "Age-at-Stage" via Probit Analysis (with V. Tuco, R. Kesetovic, and Z. Cihlarz). American Academy of Forensic Sciences. February: Orlando.
- 1998 Forensic Investigations in the Gora\_de District, Bosnia-Herzegovina, 1997 (with Z. Cihlarz and R. Kesetovic). American Academy of Forensic Sciences. February: San Francisco.
- 1996 The Avifauna of Ohalo II: A preliminary analysis of migratory patterns and site seasonality. Paleoanthropology Association. April: New Orleans, Louisiana.
- 1996 Facing the Future of Forensic Anthropology: A Further Appraisal (organizer and moderator, with A. Galloway). American Academy of Forensic Sciences. February: Nashville, Tennessee.
- 1995 Facing the Future of Forensic Anthropology: A Panel Discussion (moderated by A. Galloway and W. Haglund). American Academy of Forensic Sciences. February: Seattle, Washington.
- 1994 Personal identification through human footprints: a discriminant function test for accuracy (with D. Hunt). American Academy of Forensic Sciences. February: San Antonio, Texas.
- 1993 Species recognition in hybrid zones: baboons and Late Pleistocene hominids. American Association of Physical Anthropologists. April: Toronto, Ontario.
- 1992 The concept of hybridization in modern human origins. 3rd International Congress on Human Paleontology. August: Jerusalem, Israel.
- 1992 The Spencer R. Atkinson Collection: 1400 Missing Identities (with A. Galloway and S.C. Anton). American Academy of Forensic Scientists. February: New Orleans, Louisiana.
- 1992 Evaluating the concept of hybrid zones in modern human origins. American Association of Physical Anthropologists. April: Las Vegas, Nevada.
- 1991 North African and Levantine Hominid Affinities: Frontal Squama and Browridge Morphometry. American Association of Physical Anthropologists. April: Milwaukee, Wisconsin.
- 1991 Sequential Footprint Series: A Comparison of Intra-Individual and Inter-Individual Metric Variation. American Academy of Forensic Sciences, February: Anaheim, California.

- 1990 Comparative morphometrics of the frontal in hominids: implications for models of modern human origins. American Association of Physical Anthropologists. April: Miami, Florida.
- 1990 Metric identification factors in sequential bare and socked footprints (with D. Hunt). American Academy of Forensic Sciences. February: Cincinnati, Ohio.
- 1989 Zuttiyeh and the ancestry of early modern Southwest Asians (with A. B. Falsetti and F. H. Smith). American Association of Physical Anthropologists. March: San Diego, California.
- 1989 Stature estimation from fragmentary femora. American Academy of Forensic Sciences. February: Las Vegas, Nevada.

**COURSES PREPARED TO TEACH:**

Survey of Forensic Science  
 Forensic Anthropology  
 Forensic Taphonomy  
 Developmental Osteology  
 Research Methods and Scientific Writing  
 Scientific Crime Scene Investigation  
 Professional Practice

**TEACHING EXPERIENCE:**

- 2015-- Professor and Chair of the Department of Forensic Science, Virginia Commonwealth University. Developmental Osteology; Advanced Forensic Anthropology; Forensic Taphonomy; Scientific Writing; Scientific Crime Scene Investigation; Survey of Forensic Science, Professional Practice
- 2005-14 Reader/Principal Lecturer/Reader, MSc Forensic Anthropology Course Leader, Department of Forensic and Investigative Sciences, University of Central Lancashire, Preston. Developmental Anatomy, Forensic Anthropology, Research Methods, Expert Witness (International Humanitarian Law), Forensic Taphonomy, Crime Scene Investigation and the Anthropologist.
- 2003-4 Senior Lecturer; MSc Forensic and Biological Anthropology Programme Leader; School of Conservation Sciences, Bournemouth University. Human Anatomy; Developmental Biology; Biological Anthropology; Human Taphonomy; Pathology in the Forensic and Biological Context; Legal Framework and Crime Scene Investigation.
- 1991-2003 Assistant/Associate Professor. Human Origins (Anthropology 100); Introduction to Physical Anthropology (250); World Prehistory (305); Human Osteology (351); Faunal Analysis (352); Primate Behaviour and Ecology (450); Human Evolution (550); Osteology (551); Evolution of Human Culture (551); Forensic Anthropology (552); Seminar in Modern Human Origins (555); Archaeology of Human Evolution (555); Primates (555); Human Skeletal Biology (650). Department of Anthropology, Western Michigan University.
- 2001 Forensic Methods Workshops (Skeletal Biology and Age Estimation; Standardization and Recording). Fundacion de Antropologica Forense de Guatemala, Guatemala City, Guatemala.
- 1998 Lecturer. Forensic Anthropology. Summer University, Medical School, University of Tuzla, Bosnia-Herzegovina.
- 1998 Visiting Professor. Primate Behaviour and Ecology (72540). Department of Evolution, Systematics, and Ecology, Hebrew University of Jerusalem, Givat Ram, Jerusalem, Israel.

- 1991 Lecturer. Human Origins (Anthropology 101). Department of Sociology and Anthropology, Loyola University, Chicago.
- 1990-1 Lecturer. Human Gross Anatomy, Department of CMS Biology, Northwestern University Medical and Dental Schools.
- 1989-90 Teaching Assistant in Anthropology, University of Tennessee, Knoxville - African Prehistory, Primate Evolution, Human Origins.

**LABORATORY RESEARCH EXPERIENCE:**

- 2018-- Identification and taphonomy of avifauna from the PrePottery Neolithic site of Nahal Roded
- 2017-- Accumulated degree hours and the degradation of fingerprints on lightbulbs. Virginia Commonwealth University.
- 2016-- Trace element isotopes for micro-geographic origin. Virginia Commonwealth University.
- 2015-- DNA quality and quantity in waterlogged bone/the microbiome of waterlogged bone and predicting the postmortem interval
- 2011-- Identification of avifauna from the sites of NMO and HaYonim D. National Natural History Collections, Hebrew University of Jerusalem.
- 2004 Identification of avifauna from the sites of Gilgal I, II, and III, Jordan Valley, Israel. Department of Evolution, Systematics, and Ecology, Hebrew University, Jerusalem
- 2002-6 Taphonomic analysis of human skeletal material from the Pre-Pottery site of Kfar HaHoresh, lower Galilee, Israel, Department of Evolution, Systematics, and Ecology, Hebrew University, Jerusalem
- 2002-11 Identification of avifauna from the sites of Gesher B'not Ya'akov, Qafzeh, Amud, Eynan, Beisamun, and Ain Darat, Israel. Department of Evolution, Systematics, and Ecology, Hebrew University, Jerusalem
- 2000-2 Identification of avifauna from the site of Bawab el Gazhal, Jordan (with Elissa Kinzelman). Museum of Zoology, Ann Arbor.
- 1999 Forensic Examination and Identification of ca. 175 skeletal human remains. Physicians for Human Rights, Cyprus Project in Nicosia, Cyprus.
- 1999-2001 Identification of avifauna from the sites of Fazael VI and Salabiya IX. Museum of Zoology, Ann Arbor; Department of Evolution, Systematics, and Ecology, Hebrew University, Jerusalem
- 1998-- Age Estimation in a Bosnian Autopsy Sample: ribs, pubic symphyses, and clavicles. Tuzla Clinical Center, Bosnia-Herzegovina.
- 1997 (June-November) Autopsies and Forensic Examinations of ca. 300 human remains in Bosnia-Herzegovina. Tuzla Clinical Center, Gorazde, Bihac, and Visoko.
- 1996 (December) Collections Management. Comparative Avian Skeletal Collection. Department of Evolution, Systematics, and Ecology at the Hebrew University of Jerusalem.
- 1996 (July) Study of Middle Paleolithic hominids in Israel. The Rockefeller Museum, Jerusalem.
- 1993-2003 Identification of avifauna from the Epipalaeolithic site of Ohalo II, Israel. Field Museum of Natural History; Museum of Zoology, Ann Arbor; Department of Evolution, Systematics, and Ecology, Hebrew University, Jerusalem; Stekelis Museum of Prehistory, Haifa.



- 1988-9 (Nov-Jan) Research Assistant, Department of Neurology, University of Texas Medical Branch, Galveston, TX. Dr. T. Kent, director.
- 1988 Graduate research assistant to Drs. Bass and Jantz, Anthropology Department, University of Tennessee, Knoxville. ("The estimation of stature from fragments of the femur," a grant from the Research Initiation Program, U.S. Air Force - Office of Scientific Research.)
- 1987 (autumn quarter) Data entry for the Forensic Data Bank, University of Tennessee, Knoxville. Dr. R.L. Jantz, director.
- 1987 (Aug) Study of human skeletal remains from the Khirbet 'Ein Ziq site, Israel, the Rockefeller Museum, with J. Zias, curator.
- 1983-4 Graduate research assistant to Dr. T.D. Price, University of Wisconsin, Madison. Trace element analysis and the prehistoric diet.
- 1983 (Aug) Cataloguer of artifacts from Bryn Mawr College's excavations at Karluk, Kodiak Island, Alaska. Dr. R.H. Jordan, director..PA
- 1982-3 Lithic analyst and cataloguer for the Jasper Project, Bryn Mawr College. Dr. R.H. Jordan, director.
- 1982-3 Illustrator of materials from the Gritille site (Turkey), Bryn Mawr College. Dr. R. Ellis, director.
- 1982 (May-Aug) Laboratory assistant and faunal analyst, The Lubbock Lake Site, Texas. Dr. E. Johnston, director.
- 1976-80 Illustrator/lab assistant, Washington University, St. Louis. Dr. S. Molnar, director.

#### **ARCHAEOLOGICAL FIELD EXPERIENCE:**

- 2013 Co-director, UCLAN Archaeological Field School, Project, Beaumont-Hamel, Auchonvillers, France. (September)
- 2008 Excavations with "No Man's Land" at 8 Great War sites in France and Belgium for the YAP Television Production series, "The Trench Detectives." (January-April)
- 2000-2002 Excavations at Kfar HaHoresh, Israel.
- 1999 Exhumations at Lakatamia and Constantine and Helena Cemeteries, Nicosia, Cyprus.
- 1997-8 Exhumations in Bosnia-Herzegovina of mass graves from the 1992-1995 war.
- 1996 (July) Umm el-Jimal, Jordan. Supervisor of human skeletal excavation and analysis. Dr. Bert de Vries, director.
- 1992-4 Hayonim Cave Excavations, Project on Human Origins in Southwest Asia. Dr. Ofer Bar-Yosef, director.
- 1989-90 Kebara Cave excavations, Project on Human Origins in Southwest Asia. Dr. Ofer Bar-Yosef, director.
- 1986-7 Kebara Cave excavations.
- 1985-6 Negev Desert Tours and Seminars (archaeology, geology, and ecology), Kibbutz Yahel, Israel.
- 1986 Netiv Hagdud excavations, Hebrew University, Jerusalem. Dr. Ofer Bar-Yosef, director.
- 1984 Leader of the National Federation of Temple Youth's Archaeological Seminar in Israel.

- Excavations at Tel Aphek, Tel Aviv University. Dr. Moshe Kochavi, director.
- 1983 Excavations at Skateholm I, II, VIII, Sweden. University of Lund. Dr. L. Larsson, director.
- 1983 Excavations at Vaenget Nord, Vedbaek Fjord, Denmark. Drs. E. Brinch-Petersen (Univ. of Kobenhavn) and T.D. Price (Univ. of Wisconsin), directors.
- 1982-3 Excavations at East Rock I, Pa. Bryn Mawr College. Dr. R.S. Davis, director.
- 1981-2 Survey of prehistoric sites and quarries in Southeast, Pa. Bryn Mawr College. Dr. R.H. Jordan, director.
- 1981-2 Excavations at the Fischler Site, Pa. Bryn Mawr College. Dr. R.H. Jordan, director.
- 1978 Excavations at Tel Aphek, Israel. Tel Aviv University. Dr. Moshe Kochavi, director

#### **Memberships in PROFESSIONAL ORGANIZATIONS:**

American Board of Forensic Anthropology (Diplomate)  
 Royal Anthropological Institute (Fellow) – Cert FA-I  
 American Academy of Forensic Sciences, Anthropology Section (Fellow)  
 Justice Rapid Response Team  
 American Association for the Advancement of Sciences (Member)  
 American Association for the Advancement of Sciences - Scientists on Call  
 American Association for the Advancement of Sciences - On Call Scientists Hotline  
 Raptor Research Foundation

#### **REFERENCES**

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 School  
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Dr. David O. Carter  
 Director and Associate Professor of Forensic Sciences  
 Forensic Sciences Unit  
 Division of Natural Sciences and Mathematics  
 Chaminade University of Honolulu  
 3140 Waialae Avenue  
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