

HANNES SCHROEDER

Born 1980 in Berlin, Germany
Nationality German
Languages German (native), English (fluent), French (fluent), Spanish (proficient), Danish (proficient)
Address Natural History Museum of Denmark, Øster Voldgade 5-7, 1350 Copenhagen, Denmark
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Research interests

- molecular anthropology
- bioarchaeology and ancient DNA
- osteoarchaeology and palaeopathology

Employment

Since 2017 Assistant Professor, Natural History Museum of Denmark, Copenhagen
2013 - 2017 Senior researcher, Faculty of Archaeology, Leiden University
2011 - 2013 Postdoctoral researcher, Natural History Museum of Denmark, Copenhagen
2009 - 2011 Marie Curie Fellow, Natural History Museum of Denmark, Copenhagen

Education

2009 DPhil in Archaeological Science, University of Oxford
2005 MSc in Archaeological Science, University of Oxford
2003 BSc in Archaeology, University College London

Research projects

2016 - 2019 CitiGen - Identity, Citizenship and Nationhood in the post-genome era
2011 - 2015 EUROTAST - History and contemporary legacies of the Transatlantic Slave Trade

Research Grants

2015 HERA JRP Collaborative Research Project Grant (1.2 million Euros)
2011 Marie Curie Initial Training Network "EUROTAST" (4.3 million Euros)
2007 NERC Research Support Grant (10,000 Euros)
2006 AHRC Research Training Support Grant (4,000 Euros)

Awards and Fellowships

2009 Marie Curie Postdoctoral Fellowship
2008 Poster prize at Archaeometry meeting in Siena
2006 Meyerstein Research Award, University of Oxford
2005 AHRC Postgraduate Fellowship

Teaching Development

2017 Responsible Research Conduct, University of Copenhagen
2016 Teaching in Higher Education (Universitetspædagogikum), University of Copenhagen
2016 Supervision of PhD students, University of Copenhagen
2015 Introduction to University Pedagogy, University of Copenhagen

Teaching

Since 2017	Archaeomics Summer School (7.5 ECTS; course responsible)
Since 2016	Human evolution and population history (7.5 ECTS; course responsible)
Since 2015	East Africa (7.5 ECTS, guest lecturer)
Since 2010	Ancient DNA and Evolution (7.5 ECTS; course responsible)

Supervision

BSc students	Miren Orbegozo (ERASMUS exchange student, 2016) Dorothea Milopotamitaki (ERASMUS exchange student, 2017)
MSc students	Christina Cheung (MSc, University of Oxford, 2010-2011) Inge Lundstrøm (University of Copenhagen, 2012-2013) Martin Ellegaard (University of Copenhagen, 2017-present) Miren Orbegozo (University of Copenhagen, 2017-present)
PhD students	Marcela Sandoval-Velasco (University of Copenhagen, 2012-2015) Kirsten Ziesemer (Leiden University, 2014-2017) Anne-Marijn Snaijer (University of Copenhagen, 2016-present) Theis Trolle Jensen (University of Copenhagen, 2016-present) Eden Richards (University of Copenhagen, 2016-present)

Professional Activities

- PhD examination for Jason Laffoon (Leiden), Ryan Esperson (Leiden), Sarah Abel (EHESS, Paris), Roseina Woods (Royal Holloway, London).
- Peer-review for *Nature Communications*, the *American Journal of Physical Anthropology*, the *Journal of Archaeological Science*, *Archaeological and Anthropological Sciences*, *Archaeometry*, *Ethnoarchaeology*, and the *European Journal of Archaeology*.
- Membership of professional organisations: European Association of Archaeologists, Society for Archaeological Sciences, Society of Molecular Biology and Evolution, Society for American Archaeology, American Anthropological Association.
- Conference sessions (2): 4th International Symposium on Biomolecular Archaeology, Copenhagen, Denmark (2010); 14th SMBE Conference, San Juan, Puerto Rico (2014)
- Conference organisation (2): 10th annual meeting of the British Association of Biological Anthropology and Osteoarchaeology, Oxford, UK (2009); 4th International Symposium on Biomolecular Archaeology, Copenhagen, Denmark (2010)
- Grant review for the European Research Council, the Swiss National Science Foundation, the Israel Science Foundation, the Icelandic Research Fund, and the French National Research Agency
- Media commentary for scientific journals like *Nature* and *Science* (14), the national and international press (36), and popular science outlets like videnskab.dk (23)
- Radio and television interviews for BBC, CNN, RFI (french radio), Sverige radio, and Deutschlandfunk (for a full list see personal website)
- TV documentaries: [Search for the Head of John the Baptist](#) (National Geographic Channel, 2012); [Terra-X: Schatzjagd and der Seidenstrasse](#) (ZDF, 2016); [The Jesus Strand: A Search for DNA](#) (History Channel, 2017)

PUBLICATIONS (22 peer reviewed articles and 2 edited volumes)

Peer-reviewed papers (* indicates joint-first or joint-last authorship)

Fortes-Lima CA, A Gessain, A Ruiz-Linares, MC Bortolini, F Migot-Nabias, G Bellis, JV Moreno-Mayar, B Nelly Restrepo, W Rojas, E Avendaño-Tamayo, G Bedoya, L Orlando, A Salas, A Helgason, MTP Gilbert, M Sikora, **H Schroeder*** and JM Dugoujon* (2017) Genome-wide ancestry and demographic history of African-descendant Maroon communities from French Guiana and Suriname. *American Journal of Human Genetics* **101**(5), 725-736.

M Sandoval-Velasco, I Lundström, N Wales, MC Avila-Arcos, **H Schroeder**, MTP Gilbert (2017) Relative performance of two DNA extraction and library preparation methods on archaeological human teeth samples. *Science & Technology of Archaeological Research* **3**(1), 96-104.

Odumosu T, & **H Schroeder** (2016) [Memorializing Contested Landscapes](#). *Journal of African Diaspora Archaeology & Heritage* **4**(3), 1-5.

Ziesemer KA, AE Mann, K Sankaranarayanan, **H Schroeder**, AT Ozga, BW Brandt, E Zaura, A Waters-Rist, M Hoogland, DC Salazar-García, M Aldenderfer, C Speller, J Hendy, DA Weston, SJ MacDonald, GH Thomas, MJ Collins, CM Lewis, CL Hofman, C Warinner (2015) [Intrinsic challenges in ancient microbiome reconstruction using 16S rRNA gene amplification](#). *Scientific Reports* **5**, 16498.

Olalde I*, **H Schroeder***, M Sandoval-Velasco, L Vinner, I Lobón, O Ramirez, S Civit, P García Borja, DC Salazar-García, S Talamo, JM Fullola, FX Oms, M Pedro, P Martínez, M Sanz, J Daura, J Zilhão, T Marquès-Bonet, MTP Gilbert & C Lalueza-Fox (2015) [A common genetic origin for early farmers from Mediterranean Cardial and Central European LBK cultures](#). *Molecular Biology and Evolution* **6**(6): 725-734.

Avila-Arcos MC, M Sandoval Velasco, **H Schroeder**, ML Carpenter, AS, Malaspinas, N Wales, F Peñalosa, CD Bustamante, MTP Gilbert (2015) [Comparative Performance of Two Whole Genome Capture Methodologies on Ancient DNA Illumina Libraries](#). *Molecular Ecology and Evolution* **6**(6), 725-734.

Damgaard PB, A Margaryan, **H Schroeder**, L Orlando, E Willerslev, ME Allentoft (2015) [Improving access to endogenous DNA in ancient bones and teeth](#). *Scientific Reports* **5**, 11184.

Allentoft ME, M Sikora, K Sjögren, S Rasmussen, M Rasmussen, J Stenderup, PB Damgaard, **H Schroeder**, T Ahlström, L Vinner, AS Malaspinas, A Margaryan, T Higham, D Chivall, N Lynnerup, L Harvig, J Baron, P Della Casa, P Dąbrowski, PR Duffy, AV Ebel, A Epimakhov, K Frei, M Furmanek, T Gralak, A Gromov, S Gronkiewicz, G Grupe, T Hajdu, R Jarysz, V Khartanovich, A Khokhlov, V Kiss, J Kolář, A Kriiska, I Lasak, C Longhi, G McGlynn, A Merkevicius, I Merkyte, A Metspalu, R Mkrtychyan, V Moiseyev, L Paja, G Pálfi, D Pokutta, L Pospieszny, TD Price, L Saag, M Sablin, N Shishlina, V Smrčka, VI Soenov, V Szeverényi, G Tóth, SV Trifanova, L Varul, M Vicze, L Yepiskoposyan, V Zhitenev, L Orlando, T Sicheritz-Pontén, S Brunak, R Nielsen, K Kristiansen & E Willerslev (2015) [Population genomics of Bronze Age Eurasia](#). *Nature* **522**, 167-72.

Schroeder H, MC Ávila-Arcos, AS Malaspinas, GD Poznik, M Sandoval-Velasco, ML Carpenter, JV Moreno-Mayar, M Sikora, PLF Johnson, ME Allentoft, JA Samaniego, JB Haviser, MW Dee, TW Stafford Jr, A Salas, L Orlando, E Willerslev, CD Bustamante & MTP Gilbert (2015) [Genome-wide ancestry of 17th-century enslaved Africans from the Caribbean](#). *PNAS USA* **112**(12), 3669-73.

Schroeder H, JB Haviser & TD Price (2014) [The Zoutsteeg Three: Three New Cases of African Types of Dental Modification from Saint Martin, Dutch Caribbean](#). *International Journal of Osteoarchaeology* **24**(6), 688-96.

Sarkissian CD, ME Allentoft, MC Ávila-Arcos, R Barnett, PF Campos, E Cappellini, L Ermini, R Fernandez, da Fonseca R, A Ginolhac, AJ Hansen, H Jónsson, T Korneliusen, A Margaryan, MD

Martin, JV Moreno-Mayar, M Raghavan, M Rasmussen, M Sandoval Velasco, **H Schroeder**, M Schubert, A Seguin-Orlando, N Wales, MTP Gilbert, E Willerslev & L Orlando (2014) [Ancient genomics. Philosophical Transactions of the Royal Society B: Biological Sciences](#) **370**(1660), 20130387.

Malaspinas AS, O Lao, **H Schroeder**, M Rasmussen, M Raghavan, I Moltke, PF Campos, F Santana Sagredo, S Rasmussen, VF Gonçalves, A Albrechtsen, ME Allentoft, PLF Johnson, M Li, S Reis, DV Bernardo, M DeGiorgio, AT Duggan, M Bastos, Y Wang, J Stenderup, JV Moreno-Mayar, S Brunak, Thomas Sicheritz-Ponten, E Hodges, GJ Hannon, L Orlando, TD Price, JD Jensen, R Nielsen, J Heinemeier, J Olsen, C Rodrigues-Carvalho, M Mirazón Lahr, WA Neves, M Kayser, T Higham, Mark Stoneking, SDJ Pena & E Willerslev (2014) [Two ancient human genomes reveal Polynesian ancestry among the indigenous Botocudos of Brazil](#). *Current Biology* **24**(21), R1035-7.

Carpenter ML, JD Buenrostro, C Valdiosera, **H Schroeder**, ME Allentoft, M Sikora, M Rasmussen, S Gravel, S Guillen, G Nekhrizov, K Leshtakov, D Dimitrova, N Theodossiev, D Pettener, D Luiselli, K Sandoval, A Moreno-Estrada, Y Li, J Wang, MTP Gilbert, E Willerslev, WJ Greenleaf & CD Bustamante (2013) [Pulling out the 1%: Whole-Genome Capture for the Targeted Enrichment of Ancient DNA Sequencing Libraries](#). *American Journal of Human Genetics* **93**(5), 852-64.

Shuler KA and **H Schroeder** (2013) [Evaluating Alcohol Related Birth Defects in the past: Skeletal and biochemical evidence from a colonial rum producing community in Barbados, West Indies](#). *International Journal of Paleopathology* **3**(4), 235-42.

Schroeder H, KA Shuler, S Chenery (2013) [Childhood lead exposure among enslaved African laborers in Barbados: Implications for birthplace and health status](#). *American Journal of Physical Anthropology* **150**, 203-09.

Sánchez-Quinto F*, **H Schroeder***, O Ramirez, MC Ávila-Arcos, M Pybus, I Olalde, AMV Velazquez, M Encina Prada Marcos, JM Vidal Encinas, J Bertranpetit, L Orlando, MTP Gilbert & C Lalueza-Fox (2012) [Genomic affinities of two 7,000-year-old Iberian hunter-gatherers](#). *Current Biology* **22**, 1494-9.

Schroeder H (2012) [The Making of a New World](#) *Current Anthropology* **53**, 424-425.

Cheung C, H Schroeder & REM Hedges (2011) [Diet, Social Differentiation, and Cultural Change in Roman Britain: New Isotopic Evidence from Gloucestershire](#). *Archaeological and Anthropological Sciences* **4**, 61-73.

Millard A and **H Schroeder** (2010). [True British Sailors: A Comment on "The Sinking of the Mary Rose: A Medieval Mystery Solved?" by Bell, Lee-Thorp and Elkerton](#). *Journal of Archaeological Science* **37**, 680-682.

Schroeder H, TC O'Connell, JA Evans, KA Shuler & REM Hedges (2009) [Trans-Atlantic Slavery: Isotopic Evidence for Forced Migration to Barbados](#). *American Journal of Physical Anthropology* **139**, 547-557.

Shortland AS and **H Schroeder** (2009) [Analysis of first millennium BC glass vessels and beads from the Pichvnari necropolis, Georgia](#). *Archaeometry* **51**, 947-965.

Edited volumes

Schroeder H (2016) [Commemorations and Silences: EUROTAST Engagements with Legacies of the Trans-Atlantic Slave Trade](#). *Journal of African Diaspora Archaeology & Heritage* **4**, 3.

Schroeder H, P Bray, P Gardner, V Jefferson & E Macaulay-Lewis (2007) *Crossing Frontiers: The Opportunities and Challenges of Interdisciplinary Approaches to Archaeology*. Oxford University School of Archaeology Monograph Series 63. Oxford: Oxford University School of Archaeology.

Talks (13 invited talks and 2 keynotes)

- 2017 *History in our genes: What DNA can reveal about our past.* **Invited talk** at the Saxo Institute, University of Copenhagen (11 September)
- 2017 *23andWho? Exploring the science and social uses of DNA ancestry testing.* **Invited talk** at Pint of Science Festival, Cambridge, UK (16 May, with Sarah Abel)
- 2017 *Tracking footsteps in the sand: Genetic perspectives on the population history of the Caribbean.* **Invited speaker** at *Vin og Videnskab*, Copenhagen, Denmark (4 April)
- 2017 *Before slavery: New evidence for an early African presence in the Americas.* **Invited guest lecture** at Faculty of Archaeology, Leiden, The Netherlands (7 February)
- 2016 *Roots revisited: Searching for origins and ancestral ties in the African Diaspora.* **Invited speaker** at the 8th World Archaeological Congress, Kyoto, Japan (2 September)
- 2016 *Ancient DNA in Caribbean archaeology.* **Invited speaker** at the 8th World Archaeological Congress, Kyoto, Japan (1 September)
- 2016 *Out in the (not so) cold: ancient DNA and the tropics*, SMBE16, Gold Coast, Australia (7 July)
- 2016 *Into the great warm open: ancient DNA beyond the temperate frontier.* Guest lecture at School of Archaeology, University of Oxford, UK (7 June)
- 2016 *Insights into African American population histories and health from ancient DNA: challenges and prospects.* **Invited guest lecture** at Howard University, Washington, DC (12 April)
- 2016 *Ancient Taino genome sheds new light on the peopling of the Caribbean*, 81st Annual Meeting of the Society for American Archaeology, Orlando, FL (8 April)
- 2015 *New perspectives on the History of the Transatlantic Slave Trade and its Legacies.* **Keynote** at the joint SAA/EAA meeting, Curaçao, Netherlands Antilles (5 November)
- 2015 *Genomes galore: Big data and recent advances in paleogenomics.* **Invited speaker** at Aarhus University, Aarhus, Denmark (1 October)
- 2015 *Ancient DNA analysis reveals origins of 17th-century enslaved Africans.* Poster presented at the 26th ISFG conference in Krakow, Poland (31 August - 5 September)
- 2015 *Ancient DNA: A new frontier in Caribbean archaeology.* **Invited speaker** at 26th International Association of Caribbean Archaeology Congress, Saint Martin, Netherlands Antilles (22 July)
- 2015 *Ancient Taino genome sheds light on the peopling of the Caribbean.* Poster presented at the 15th SMBE conference, Vienna, Austria (12-16 July)
- 2014 *New perspectives on the archaeology of slavery.* **Invited speaker** at seminar at the University of Bristol, Bristol, UK (17 June).
- 2013 *Recent advances in ancient DNA shed light on the population history of prehistoric Europe*, 19th Annual Meeting of the European Association for Archaeologists, Pilsen, Czech Republic (4-8 September)
- 2012 *Bioarchaeological perspectives on African slavery in the Caribbean.* **Invited lecture** at the University of Leiden, Leiden, The Netherlands (30 October)
- 2012 *Back to the Roots: Tracing the Origins of Enslaved Africans using ancient DNA.* **Keynote** at the 1st International Conference on the Genetics of African Populations, University of North Carolina, Chapel Hill (19 March)
- 2011 *Back to the Roots: Ancient DNA and the Transatlantic Slave Trade.* **Invited speaker** at the Royal Danish Academy of Sciences, Copenhagen, Denmark (18 June)
- 2010 *Is Oprah Zulu? DNA and the search for African origins*, Fourth International Symposium on Biomolecular Archaeology, Copenhagen, Denmark (8 September)
- 2009 *DNA as a Tool in Anthropology and Archaeology.* **Invited lecture** at the University of Lund, Sweden (8 November)

2008 *Bioarchaeological Perspectives on Caribbean Slavery*. Poster presented at the International Symposium for Archaeometry, Siena, Italy (12-16 May)