



Palaeoproteomics And Archaeology, Society for Techniques and Advances

2/2026

Dear PAASTA community,

Welcome to the second newsletter of 2026! Although PAASTA is young, some of you might have changed institutions by now. To keep receiving the newsletter and e-mails from PAASTA after changing your institution make sure to sign up again to the [PAASTA mailing list](#) with your new institutional e-mail address, or even better with one that you will not lose access to. Happy reading and, as always, if there is anything you would like to let others know about via this newsletter - no matter if it's a big or minor thing - you are very welcome to let us know by sending a message to paasta.community@gmail.com.

Upcoming Events

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| April 29 th - May 3 rd | Annual Meeting of Society for American Archaeology (SAA), San Francisco, USA |
| May 6 th | PAASTA talk series, Elena Armaroli, 17:00 CET |
| May 31 st - June 4 th | Annual Conference of American Society for Mass Spectrometry (ASMS), San Diego, USA |
| June 3 rd | PAASTA talk series, Ioannis Patramanis, time tba |
| June 15 th - 19 th | Oceans Past XI Conference, Victoria, Canada |

June 21 st - 14 th	Metaproteomics Symposium , Dessau-Rosslau, Germany
June 23 rd - 26 th	International Conference on Palaeogenomics (ICP), Stockholm, Sweden
June 28 th - July 2 nd	Society of Molecular Biology and Evolution (SMBE) 2026, Copenhagen, Denmark, Symposium: L01 Insights into the past through the lens of palaeoproteomics
June 29 th - July 5 th	Annual Conference European Association of Vertebrate Palaeontologists (EVAP), Vilnius, Lithuania
July 6 th - 9 th	Association of South African Professional Archaeologists (ASAPA) 2026 session, Molecules & Meaning: New Frontiers in African Archaeology, University of Mpumalanga, Mbombela, South Africa, Correspondence: bacara.spruit@gmail.com
August 12 th - 21 st	Practical Palaeoproteomics Summer School, University of Copenhagen, Denmark, Enrollment deadline April 1st
August 22 nd - 28 th	International Mass Spectrometry Conference (IMSC), Lyon, France
August 26 th - 29 th	European Association of Archaeologists annual meeting in Athens, Greece
Aug 31 st - Sep 4 th	XXI World Congress of the International Union of Prehistoric and Protohistoric Sciences, in Poznań, Poland
September 15 th - 16 th	Integrating ZooMS and Zooarchaeology meeting (IZAZ), Abstract deadline 8th June, 2026. Join the mailing list for more info. Contact: samantha.brown@cenieh.es
September 17 th - 19 th	European Society for the study of Human Evolution (ESHE) 2026 Meeting
Sept 28 th - Oct 3 rd	International Council for Archaeozoology Fish Remains Working Group, Nice, France. <i>Details to come.</i>

Is there some event you are missing in this list? Let the community know in the #events Element channel (info how to join Element in footer). We also have a google [calendar](#). If you have any events that you would like for us to add to this calendar, please send them to paasta.community@gmail.com.

New Publications

Armaroli, E., Lugli, F., Tacail, T., Kindler, L., Gaudzinski-Windheuser, S., Scherjon, F., Roebroeks, W., Parker, G., Vonhof, H., Cipriani, A. and Tütken, T., 2026. **Life histories of straight-tusked elephants from the Last Interglacial Neanderthal site of Neumark-Nord (~ 125 ka)**. Science Advances, 12(11), p.eadz0114. DOI: 10.1126/sciadv.adz0114

Ásmundsdóttir, R.D., Troché, G., V. Olsen, J., Martínez de Pinillos, M., Martínón-Torres, M., Schrader, S., Welker, F., 2026. **Archaeological preservation of amelogenesis pathways**. bioRxiv, 2026.03.25.713862. <https://doi.org/10.64898/2026.03.25.713862> (PREPRINT)

Balzeau, A., Mylopotamitaki, D., Welker, F., Tassoni, L., Gómez-Olivencia, A., Derrey, T. and Talamo, S., 2026. **Contextualising the La Ferrassie 1 Homo neanderthalensis skeleton through palaeoproteomic analysis and radiocarbon dating**. Journal of Archaeological Science, 188, p.106515. <https://doi.org/10.1016/j.jas.2026.106515>

Blacka, C., Rainsford, C., O'Connor, C.G., Mullin, V.E., Bradley, D.G., Halkon, P., Mosely, J., Penkman, K. and Hendy, J., 2026. **Integration of age-at-death with novel peptide sex estimation reveals cattle culling practices at Yorkshire Iron Age shrine site**. Available at SSRN 5737194. <https://ssrn.com/abstract=5737194>

Bray, F., Pilmann Kotěrová, A., Garbé, L., Haegelin, M., Bertrand, B., Agossa, K., Rolando, C., Velemínský, P., Brůžek, J. and Morvan, M., 2026. **High-throughput targeted paleoproteomics sex estimation on medieval Great Moravia individuals using MALDI-CASI-FTICR mass spectrometry**. bioRxiv, pp.2026-02. <https://www.biorxiv.org/content/10.64898/2026.02.17.706309v1> (PREPRINT)

Charlier, P., Héry-Arnaud, G., Kofoed, K. and Armengaud, J., 2026. **Nocardia and the Death of Raphael (1520)**. Emerging Infectious Diseases, 32(1), p.162. 10.3201/eid3201.AC3201

De Kock, W., Van Der Meer, M.T., Van Bommel, R., Taurozzi, A.J., Von Tersch, M., Allentoft, M.E., Mackie, M., Ramsøe, M., Collins, M., Alexander, M. and Palsbøll, P.J., 2026. **Stable isotope evidence of anthropocene disruption in African softshell turtle foraging**. PLoS One, 21(2), p.e0339589. <https://doi.org/10.1371/journal.pone.0339589>

Evans, M., 2026. **The Demodifier: A tool for screening modification-induced alternate peptide taxonomy in palaeoproteomics**. PLoS One, 21(1), p.e0339465. <https://doi.org/10.1371/journal.pone.0339465>

Farese, M., Moraitou, M., Jin, C., Forsythe, A., Micarelli, I., van der Valk, T., Manzi, G., Parducci, L., Tafuri, M.A. and Guschanski, K., 2026. **Lifestyle impacts the oral microbiome of Classical and Post-classical societies in Italy**. bioRxiv, pp.2026-01 <https://www.biorxiv.org/content/10.64898/2026.01.23.700545v1.abstract>

Gardenghi, C., Alabiso, A., D'Andrea, M.M., Frasca, S., Guglielmotti, V., Mazzuca, C., Orazi, N., Ercolani, B., Paoloni, S., Rubechini, A. and Migliore, L., 2026. **The Biodeterioration Process in Compositionum: Four Ancient Multi-Material Volumes Studied by Multidisciplinary Approach.** Applied Sciences, 16(2), p.1091. <https://doi.org/10.3390/app16021091>

García-Martínez, D., Sanz-Henche, P., Zapico, I., Clemente, L.F., Hernández, M.L., Ríos, L., Casquero, M., Ruíz, C.B., Fidalgo, D., Díaz-Pérez, S. and Lozano, I.C., 2026. **Sex assessment in a hominin upper second molar (RV'23-350) from the Ruidera (Spain) Middle Pleistocene paleoanthropological site: a proteome-based analysis of the amelogenin.** Quaternary International, 760, p.110182. <https://doi.org/10.1016/j.quaint.2026.110182>

Gatti, L., Lugli, F., Rubach, F., Leichliter, J., Sciutto, G., Prati, S., Tütken, T. and Martínez-García, A., 2026. **Deep-time preservation of amino acids in mammalian fossil tooth enamel.** Communications Biology. <https://doi.org/10.1038/s42003-026-09716-6>

Goffette, Q., Devière, T., Ryder, C., Bray, F., Germonpré, M., Bard, E., Spanneut, L. and Rots, V., 2026. **Archaeozoological Insights Into Avian Exploitation in the Magdalenian of Belgium at the Caves of Trou du Frontal and Trou des Nutons.** International Journal of Osteoarchaeology. <https://doi.org/10.1002/oa.70074>

Greco, E., Battistella, M., Marin, E., Casini, A., Bellandi, L., Gabriele, C., Miani, A., Piscitelli, P., Lazăr, C.A., Barbieri, P. and Giorgi, R., 2026. **In-situ digestion and micro-destructive sampling for dental proteomic sex determination analysis using polyvinylalcohol-based gel.** Journal of Cultural Heritage, 78, pp.79-88. <https://doi.org/10.1016/j.culher.2026.01.012>

Lefèvre, C. and Moreau, L., 2025. **Hyperspectral Imaging Applications in Underwater Archaeology: A Multimodal Approach to Cultural Heritage Management.** Social Science Chronicle, 5, pp.1-15. <https://doi.org/10.56106/ssc.2025.003>

Parmaksız, R., Demarchi, B. and Yeomans, L., 2026. **Birds Through Time in Türkiye: Morphological and Proteomic Approaches to Archaeological Avifauna.** Turkish Journal of Archaeological Sciences, pp.42-68. <https://en.arkeolojibilimleridergisi.org/tjas-6-parmaksiz-et-al>

Patramanis, I., Skov, L., Cappellini, E. and Racimo, F., 2026. **Assessing the potential of ancient protein sequences in the study of hominid evolution.** Genome Biology and Evolution, p.evag035. <https://doi.org/10.1093/gbe/evag035>

Pecnik, J., Ventresca Miller, A.R., Panse, C., Kunz, L., Dittmann, A., Johnson, J.A., Makhortykh, S., Litvinova, L., Andrukh, S., Toshev, G. and Krützen, M., 2026. **Paleo-proteomic analysis of Iron Age dental calculus provides direct evidence of Scythian reliance on ruminant dairy.** PLoS One, 21(1), p.e0339464. <https://doi.org/10.1371/journal.pone.0339464>

Sellers, C., 2026. **A Proteomic Analysis of Biological Sex and Health in Gurat, France.** (THESIS) <https://uwspace.uwaterloo.ca/bitstreams/02ec78c6-b297-4a5c-bb95-f02c777a90dd/download>

Sun, X., Peng, L., Tsutaya, T., Jiangzuo, Q., Hasegawa, Y., Hou, Y., Han, Y., Zhuang, Y., Ramos Madrigal, J., Taurozzi, A.J. and Mackie, M., 2026. **The Japanese Archipelago sheltered cave lions, not tigers, during the Late Pleistocene.** Proceedings of the National Academy of Sciences, 123(6), p.e2523901123. <https://doi.org/10.1073/pnas.2523901123>

Tolksdorf, J.F., Woidich, M., Blana, M., Abura, J., Sonet, G., Mindermann, S., Greeves, S., Kropf, E. and Hölzl, S., 2026. **A double-sided ivory comb with two animal pursuit scenes from a 6th century CE burial at Deiningen, Germany.** Journal of Archaeological Science: Reports, 69, p.105579. <https://doi.org/10.1016/j.jasrep.2026.105579>

Tsutaya: R script to calculate deamidation: rDeamidation <https://github.com/tsutatsuta/rdeamidation>

Wang, X., Yang, A., Yang, F., Yuan, H., Cao, D., Li, J., Huo, W., Lu, S. and Li, S., 2026. **Subsistence change in Iron Age to Tubo-period western Xizang: A stable isotope study from Phiyang Dunkar.** Journal of Archaeological Science: Reports, 70, p.105639. <https://doi.org/10.1016/j.jasrep.2026.105639>

Yoshimura, T., Hirota, K., Kagi, H., Matsubara, T. and Sasaki, T., 2026. **Molecular Palaeontology Prospects From Exceptionally Preserved Eocene Brackish-Water Bivalve *Batissa sitakaraensis* (Venerida: Corbiculidae) From Hokkaido, Japan.** Geological Journal. <https://doi.org/10.1002/gj.70254>

Is there some publication you are missing in this list? Let the community know in the #papers Element channel (info how to join Element in footer).

Job opportunities

Funding announcements

Funding schemes RICHeS and E-RIHS are currently open, with deadlines approaching. These schemes cover travel and analytical research costs at participating institutions for research projects. The [BioArCh research facility](#) at the University of York hosts services for ZooMS and some palaeoproteomics methods, as well as other biomolecular analyses. The [RICHeS Access Fund](#) is available to UK-based individuals, academic organisations, museums and collaborating commercial partners and full Stage Applications are now open until Wednesday 8th April 2026. The [E-RIHS Call for Access](#) is available to international researchers and is open until April 15.

Short-Term Research Opportunity in Paleoproteomics

Proteomics specialist for a [short-term research position](#)



Location: King Abdullah university of Science and Technology (KAUST)



Duration: 2–3 months



Preferred start: in the coming months (flexible)

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This newsletter was composed by Johanna Krueger.

The PAASTA Community is an affiliate of The International Society for Biomolecular Archaeology (ISBA), a Charitable Incorporated Organisation registered in England. Additionally, PAASTA is an initiative of the European Proteomics Association (EuPA), an "eingetragener Verein" registered in Germany. ISBA and EuPA provide infrastructural and financial support of the student-led activities of PAASTA.