

Curriculum vitae

Johannes Krause

Born 1980 in Leinefelde, Thuringia, German Democratic Republic (GDR)

Nationality German

Contact Max Planck Institute for Evolutionary Anthropology
Department of Archaeogenetics
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Research Focus

- **Ancient DNA**
- **Archaeogenetics**
- **Human Evolution**
- **Ancient Pathogen Genomics**
- **Comparative and Evolutionary Genomics**
- **Human Immunogenetics**

Present Positions

Since 2020 **Director**, Max Planck Institute for Evolutionary Anthropology, Department of Archaeogenetics, Leipzig, Germany

Since 2018 **Full Professor** for Archaeogenetics, Institute of Zoology and Evolutionary Research, Friedrich Schiller University Jena, Germany

Since 2016 **Director**, Max-Planck – Harvard Research Center for the Archaeoscience of the Ancient Mediterranean (MHAAM), Jena / Leipzig, Germany

Since 2015 Honorary **Professor** for Archaeo- and Paleogenetics, Institute for Archaeological Sciences, Eberhard Karls University Tuebingen, Germany

Professional Career

2020 – 2021 **Commissary Head**, Max Planck Institute for the Science of Human History, Department of Archaeogenetics, Jena, Germany

2014 – 2020 **Founding Director**, Max Planck Institute for the Science of Human History, Department of Archaeogenetics, Jena, Germany

2013 – 2015 **Full Professor (W3)** for Archaeo- and Paleogenetics, Institute for Archaeological Sciences, Eberhard Karls University Tuebingen, Germany

2010 – 2013 **Junior Professor (W1)** for Palaeogenetics, Institute for Archaeological Sciences, Eberhard Karls University Tuebingen, Germany

2008 – 2010 **Postdoctoral Fellow** at the Max Planck Institute for Evolutionary Anthropology, Department of Evolutionary Genetics, Leipzig, Germany. Research: Ancient human genetics and genomics

2005 – 2008 **Dr. rer. nat.** (Ph.D. in natural science). From Genes to Genomes: Applications for Multiplex PCR in Ancient DNA Research, Grade: 1.0 “*Summa cum laude*”, Leipzig University & Max Planck Institute for Evolutionary Anthropology, Germany

2003 – 2005 **Student Assistant** at the Max Planck Institute for Evolutionary Anthropology, Department of Evolutionary Genetics, Leipzig, Germany

University Education

- 2000 – 2005 **Biochemistry**, Leipzig University, Germany
2002 – 2003 **Biochemistry**, University College Cork, Ireland

Selected Research Grants

- 2021 – 2026 **Max Planck – Harvard Research Center for the Archaeoscience in the Ancient Mediterranean (MHAAM)**. 2nd round of funding. Total financial volume: 5,000,000 Euro
- 2020 – 2026 **ERC Synergy Grant**: “HistoGenes – Integrating genetic, archaeological and historical perspectives on Eastern Central Europe, 400-900 AD.” Total financial volume: 10,000,000 Euro
- 2017 – 2019 **GENESEZS: “Genetic exploration of epidemics in central Asia”** – BMBF supported project with Kazakh Scientific Center of Quarantine and Zoonotic Diseases (KSCQZD) and Institute of General Genetics and Cytology (IGGC) in Almaty Kazakhstan. Financial volume: 137,500 Euro
- 2016 – 2021 **Max Planck – Harvard Research Center for the Archaeoscience in the Ancient Mediterranean (MHAAM)**. 1st round of funding. Total financial volume: 5,000,000 Euro
- 2015 - 2018 **D-A-Ch Project**: “The Oberbipp Dolmen in the Context of the Neolithic Revolution.” Financial volume: 200,000 Euro
- 2013 – 2018 **ERC Starting Grant**: “Ancient Pathogen Genomics of Re-emerging Infectious Diseases” Financial volume: 1,500,000 Euro
- 2013 – 2016 **WIN-Kolleg** Heidelberg Academy project: “New ways to integrate natural sciences and humanities“. Financial volume for Palaeogenetics research group: 130,000 Euro
- 2013 – 2016 **Landesstiftung Baden-Württemberg**: “Genetic investigation of the prehistorical settlement of the Ach and Lone Valleys“. Financial volume: 150,000 Euro
- 2012 – 2015 **DFG Research Grant**: “The settlement of Europe: Population genetic history of Pleistocene modern humans in Europe.” Financial volume: 252,000 Euro
- 2010 – 2014 **Carl Zeiss Foundation** (structural innovation program) Environmental Archaeology (Umweltarchäologie): “The impact of climate change on early societies“. Financial volume for the Palaeogenetics research group: 400,000 Euro

Fellowships, Honors, and Academic Service

- since 2024 **Scientific Advisory Board**: ERC “Synergy-Plague”, University of Oslo
- since 2024 **Member of the DFG Review Boards**
- 2022 **Academy Award 2022: Berlin-Brandenburg Academy of Sciences and Humanities**
- since 2021 **Scientific Advisory Board**: “Kiel Life Science”, University of Kiel
- since 2020 **Scientific Advisory Board**: Centre of Genomics, Evolution and Medicine (cGEM) at University of Tartu, Estonia
- 2020 **Fabio Frassetto International Prize** for Paleoanthropology
- 2018 – 2020 **Speaker** for the Max Planck Research School for the Science of Human History (IMPRS)
- since 2018 **Distinguished Scientific Advisor** for the BGI 10k Ancient Genomes Project
- 2017 **Annual Thuringian Research Prize** in the area of fundamental research
- since 2016 Corresponding Member, **CARTA** (Center for Academic Research & Training in Anthropogeny)

since 2016 Corresponding Member, **German Archaeological Institute**

since 2016 **Advisory board:** Luschan Collection, Berlin

2016 – 2019 **Invited Adjunct Professor** at Xi'an Jiaotong University, China

2015 Excellent Speaker Award, **Boerhaave Nascholing**

2014 **Visiting scholar at Kazan Federal University**

October 2014 **Erasmus Mundus Visiting Professorship** in Manila

since 2014 **Reviewing editor** of eLife

since 2013 **WIN-Kolleg Fellow** (Heidelberg Academy of Sciences and Humanities)

2013 – 2015 **Speaker** at **EVEREST** – Evolution and Ecology Research School Tuebingen

since 2012 **Executive Board Member: EVE** – Evolution and Ecology Forum Tuebingen

since 2011 **Executive Board Member: TZA** – Tuebingen Inter-faculty Centre for Archaeology

since 2010 **Editorial Board Member** for **BMC Genomics**

2010 **Tübinger Förderpreis** of the Society of Early Prehistory and Quaternary Ecology for doctoral thesis

2010 **AAAS Newcomb Cleveland Prize** for the most outstanding paper published in *Science*

since 2005 **Reviewer** (ad hoc) for **Research Organizations:** European Research Council (ERC), German Science and Humanities Council (Wissenschaftsrat), DFG, Swiss National Science Foundation, Austrian Science Fund (FWF), Swedish Research Council (VR), Human Frontier Science Program (HFSP), Independent Research Fund Denmark (DFF), Natural Sciences and Engineering Research Council of Canada (NSERC), Marsden Fund - Royal Society of New Zealand

Reviewer (ad hoc) for **Scientific Journals:** *Nature, Science, Cell, PNAS, Nature Reviews Genetics, Nature Ecology and Evolution, Nature Microbiology, Nature Communications, Science Advances, Nature Genetics, Genetics, Current Biology, PLoS Biology, PLoS ONE, Molecular Biology and Evolution, Am. J. Phys. Anthropol., BMC Evolutionary Biology, Mitochondria, BMC Bioinformatics, Biotechniques, Genome Research, Biolinguistics*

Teaching

since 2019 Ringvorlesung in **Human History**, Institute of Zoology and Evolutionary Research, Friedrich Schiller University Jena

since 2018 Ringvorlesung in **Evolutionary Biology**, Institute of Zoology and Evolutionary Research, Friedrich Schiller University Jena

since 2015 Ringvorlesung **Molekulare Zellbiologie und Biomedizin**, Friedrich Schiller University Jena

2013 – 2015 Seminar and lecture in **Introduction to Evolutionary Genetics**, Palaeoanthropology Bachelor, University of Tuebingen

2011 – 2015 Seminar, lecture and practical session in **Paleogenetics**, Palaeoanthropology Bachelor, University of Tuebingen

since 2010 Seminar, lecture, and practical session in **Human Genetics**, Palaeoanthropology Bachelor, University of Tuebingen

2009/2010 Seminar and practical session in **Biochemistry**, Polyvalenter Bachelor, University of Leipzig

2009 Practical session: **Evolutionary Ecology**, master module for biologists, University of Leipzig

Student training

Ph.D. Students

Currently supervising 15 Ph.D. students:

Zeibig, T. (since 2023); **Tiliaku, A.** (since 2022); **Boersma, R.** (since 2021); **Hill, E.** (since 2021); **Rodriguez, J.** (since 2020); **Lacher, L.** (since 2020); **Clayton, S.** (since 2019); **del Rio, J.,** (since 2019); **Ghalichi, A.** (since 2018); **Saari, N.** (since 2018); **Neumann, G.** (since 2018); **Salem, N.** (since 2018); **Michel, M.** (since 2017); **Neukamm, J.** (since 2016); **Pfrenge, S.** (since 2015).

27 Ph.D. students supervised with theses completed and defended:

Carhoff, S., Universität Tübingen (2018-2023), **Gretzinger, J.**, Friedrich-Schiller-Universität Jena (2018-2023), **Eisenmann, S.**, Ludwig-Maximilians-Universität München (2017-2023); **Esquivel Gomes, L.**, Friedrich-Schiller-Universität Jena (2018-2023); **Barquera, R.**, Friedrich-Schiller-Universität Jena (2016-2022); **Musralina, L.**, Almaty University (2018-2022); **Parker, C.**, Friedrich-Schiller-Universität Jena (2016-2022); **Skourtanioti, E.**, Friedrich-Schiller-Universität Jena (2016-2022); **Fellow Yates, J.**, Friedrich-Schiller-Universität Jena (2015-2022); **Huebler, R.**, Friedrich-Schiller-Universität Jena (2016-2022); **Scott, A.**, Friedrich-Schiller-Universität Jena (2017-2022); **Majander, K.**, Universität Tübingen (2014-2021); **Naegele, K.**, Universität Tübingen (2016-2020) [MPG Otto Hahn Medal & Otto Hahn Award winner]; **Valtueña, A.**, Friedrich-Schiller-Universität Jena (2015-2020); **van de Loosdrecht, M.**, Friedrich-Schiller-Universität Jena (2015-2020); **Furtwängler, A.**, Universität Tübingen (2015-2020); **Nelson, E.**, Universität Tübingen (2016-2020); **Feldman, M.**, Friedrich-Schiller-Universität Jena, (2013-2020); **Immel, A.**, Friedrich-Schiller-Universität Jena (2013-2020); **Keller, M.**, Friedrich-Schiller-Universität Jena (2015-2020); **Sabin, S.**, Friedrich-Schiller-Universität Jena (2016-2019); **Spyrou, M.**, Universität Tübingen (2013-2018) [MPG Otto Hahn Medal winner]; **Vagene, A.**, Universität Tübingen (2013-2018); **Posth, C.**, Universität Tübingen (2011-2017); **Peltzer, A.**, Universität Tübingen (2014-2018); **Mitnik, A.**, Universität Tübingen (2011-2016); **Schuenemann, V.**, Universität Tübingen (2010-2014).

27 M.Sc. theses completed:

Mager, H. Friedrich-Schiller-Universität Jena (2024), **Tiliaku, A.**, Friedrich-Schiller-Universität Jena (2019-2022); **Komathisree, P. S.**, Friedrich-Schiller-Universität Jena (2019); **Tarusawa, Y.**, Universität Tübingen (2017/2018); **Neumann, G.**, Universität Tübingen (2017/2018); **Gretzinger, J.**, Universität Tübingen (2017/2018); **Bianco R. A.**, Universität Tübingen (2017/2018); **Lacher, L.**, Universität Tübingen (2016/2017); **Jodoin, S.**, Universität Tübingen (2016/2017); **Venkatakrishnan, S.**, Universität Tübingen (2016/2017); **Feuerborn, T.**, Universität Tübingen (2015/2016); **Sabin, S.**, Universität Tübingen (2015); **Furtwängler, A.**, Universität Tübingen (2014/2015); **Begg, T.**, Universität Tübingen (2014/2015); **Fellows Yates, J.**, Universität Tübingen (2014/2015); **Neukamm, J.**, Universität Tübingen (2014/2015); **Kuccukalipci, I.**, Universität Tübingen (2014/2015); **Pfrenge, S.**, Universität Tübingen (2014/2015); **Valtueña, A.**, Universität Tübingen (2014/2015); **Peltzer, A.**, Universität Tübingen (2013/2014); **Bonazzi, M.**, Universität Strassbourg (2012/2013); **Posth, C.**, Universität Florenz (2012/2013); **Langbein, F.**, Universität Tübingen (2011/2012); **Mitnik, A.**, Universität Tübingen (2010/2011); **Rankin, S.**, Universität Upsalla (2009/2010); **Northoff, B.**, Universität Leipzig (2008/2009); **Unger, T.**, Universität Leipzig (2007/2008).

Public Outreach and Media Coverage

Selected television coverage:

SRF Kultur: „Sternstunde Philosophie“ (2023), Arte: „42-Die Antwort auf fast alles“ (2022), Radio Bremen TV: „3nach9“ (2021); ZDF: „Terra X“ (2023, 2021, 2020, 2018, 2017); NDR: „Das!“ (2024, 2021, 2019); ZDF: „Mittagsmagazin“ (2019); MDR: „Riverboat“ (2019); Arte TV, ZDF: „Die Reise der Menschheit“ (awarded with the German Television Award (*Deutscher Fernsehpreis*) in 2018); MDR aktuell: Thüringen Journal (2015, 2016, 2017, 2018); BBC: „The Mystery of Rome's X Tombs“ (2013); 3Sat: Scobel: „Viren“ (2013); Planetopia: „Der Schwarze Tod“ (2012); Bundesverband Deutscher Film-

Autoren (BDFA): "Neandertaler – sind wir wirklich verwandt" (2011); ARTE: "Der Neandertaler in uns" (2010); WDR: Quarks & Co: "Wieviel Neandertaler steckt in uns?" (2010); ZDF-History: "Der Neandertaler-Code" (2010); National Geographic Documentary: "Neanderthal Code" (2008); The History Channel Documentary: "Clash of the Cavemen" (2008); Exploratorium Virtual Museum's Evidence: "How we know what we know" (2008); ZDF: "Der Neandertaler" (2006).

Selected radio contributions:

Deutschlandradio, Radio Eins, Deutschlandfunk, DLF Kultur, Deutsche Welle, SRF, NPR, CBC Radio, BBC Radio, BBC World, BBC Africa, Radio Scotland, RBB Kulturradio, MDR Figaro, Mephisto, Radio Schweden, Radio NZ, ORF Radiokolleg, Irish Radio, Radio Sachsen, SBS Sydney, BR Podcast Blaue Couch, detector.fm Podcast "Ach Mensch", SWR3, WDR Planet Wissen.

Selected print media:

Science, Nature, The New York Times, Washington Post, Wallstreet Journal, National Geographic, Discovery News, GEO Magazine, Times (London), The Guardian, The Independent, Der Spiegel, Der Fokus, FAZ, Die Zeit, Die Welt, Süddeutsche Zeitung, Channel Four News, USA Today, CNN Online, Frankfurter Rundschau, Science Daily, Neue Zürcher Zeitung, Der Standard, Spektrum der Wissenschaft, International Business Times, Times of India, Science Daily, La Vanguardia, El Pais, Quest France, Le Figaro.

Invited Presentations

(Total: over 400, >40 keynote lectures; selected are listed since 2015)

2023

20. Klinisch-Mikrobiologisch-Infektiologisches Symposium" (KMIS), Berlin, DE
Landesbiologentag Nordrhein-Westfalen, Mettmann, DE
Dubois Lecture in Memory of Joep Geraedts, Maastricht University, NL
Disease Models & Mechanisms meeting: Infectious Diseases Through an Evolutionary Lens, London, UK
DVG-Fachgruppentagung Epidemiologie, Leipzig University, DE
Keystone Symposia on New Frontiers in Reconstructing Human Evolution History, Hannover, DE
European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Copenhagen, DK
5. Leipziger Hämatologie Symposium, DE
Frühjahrssymposium der Akademie für Tiergesundheit (AfT), Montabaur, DE

2022

UCMR Distinguished Guests Seminar Series, Umeå Universitet, SE
Eppendorf Executive Board meeting, Leipzig, DE
Kinderuni Vogtland, Oelsnitz, DE
Geographische Gesellschaft zu Hannover e. V., DE
AEI Colloquia, MPI for Gravitational Physics, DE
Carl Friedrich von Siemens Stiftung, DE
Bundeskonferenz Schule MIT Wissenschaft (SMW), DE
Deutsches Museum München, DE
EMBO | EMBL Symposium: Reconstructing the human past: using ancient and modern genomics
Justus-Liebig-Universität Gießen, DE (digital)
Johannes Gutenberg-Stiftungsprofessur 2022, Johannes-Gutenberg-Universität Mainz, DE
Marburger Wissenschaftsgespräche, DE
DGKN-Kongress 2022, Würzburg, DE (digital)
28. Tage des mathematischen und naturwissenschaftlichen Unterrichts, Thüringer Institut für Lehrerfortbildung, DE (digital)

2021

Workshop and Annual Meeting of the Swiss Society for Anthropology (SSA), Chur, CH
28th International Virtual Complement Workshop (ICW)

ARCHAIA, Yale University, US (digital)
Universitätsklinikum Leipzig, DE
DAI Heidelberg, DE
Virtual Symposium for the Iceman's 30th anniversary, Eurac Research, Bozen, IT
Roemer- und Pelizaeus-Museum Hildesheim (RPM), DE
Bern Historical Museum, CH
Tagung "Eine Archäologie der Forschungsgeschichte", Berlin-Brandenburgische Akademie der Wissenschaften, DE (digital)
Skeletal Biology Research Centre (SBRC) Annual Lecture, University of Kent (digital), UK
Museum für Naturkunde, Berlin, DE
Brown Beer Biological Anthropology Colloquium, Yale University, US (digital)
Center for the Dynamics of Social Complexity (DySoC), University of Tennessee, US (digital)
Conference: 50,000 years of human history in our DNA, Institut de France – Académie des Sciences, FR (digital)

2020

European Association for Archaeology (EAA) Annual Meeting (digital), Budapest, HU
Conventus Foundation, Frankfurt, DE
Asklepios Medical School, Hamburg, DE
Tagung Migration und Brücken, Deutsches Studienzentrum, Venedig, IT
Blom Virtual Archaeology Seminar, Cambridge, UK
Alte Synagoge Wuppertal, DE
Museum und Park Kalkriese, DE
History and Culture of the Great Steppe, International Conference, Almaty, KZ
Eichsfeldforum, Erwachsenenbildung, Heiligenstadt, DE
Volkshochschule München, DE (digital)
University of Osnabrueck & Center of Cellular Nanoanalytics, DE (digital)
Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte, DE
KORTIZES Institut für populärwissenschaftlichen Diskurs, DE

2019

Technical University of Munich, DE
Molecular Diagnostics Symposium, University of Zurich, CH
American School of Classical Studies, Athens, GR
SAA Annual Meeting, Albuquerque, US
Themenkonzert, Philharmonisches Staatsorchester, Hamburg, DE
Steinzeitliche Grenzerfahrungen, Landesmuseum Hannover, DE
Peopling History of Africa, University of Genf, CH
ISABS, Split, HR
EMBC, 50th anniversary, Heidelberg, DE
Les maladies infectueuses dans l'Antiquité, École française de Rome, IT
ESEB, Turku, FI

2018

Warwick Medical School, UK
Alfred Krupp Wissenschaftskolleg, Greifswald, DE
Harvard University, Cambridge, US
BGI, Shenzhen, CN
DKFZ-ZMBH Allianz, Heidelberg, DE
Westfälisches Landesmuseum, Herne, DE
University of York, UK
Archäologisches Museum, Hamburg, DE
Deutsches Hygiene-Museum, Dresden, DE
SMBE, Yokohama, JP
Gordon Research Conference, Barcelona, ES

The Age of Humans in Europe, Stockholm, SE
Science Festival, Moscow, RU
Infectious Diseases in the 21st Century Conference, Jena, DE
16th Medical Biodefense Conference, Munich, DE
DSMZ, Braunschweig, DE
Katholische Akademie Bayern, Munich, DE
Musée de L'Homme, Paris, FR
DGfA Tagung, Jena, DE
DAI, Heidelberg, DE
The Lapedo Child Discovery – 20 Years Afterwards Conference, Leiria, PT

2017

National University of Galway, IE
SAA, Vancouver, CA
Junior-GBM, Jena, DE
Planetarium, Jena, DE
SMBE, Austin, US
Big Data in Biology and Health Conference, Hinxton, UK
Harvard University, Cambridge, US
World Health Summit, Berlin, DE
Museum für Archäologie, Herne, DE
18. Heidenheimer Archäologie-Colloquium, DE
International Science Festival, Heidelberg, DE
Stiftung Neanderthal Museum, Mettmann, DE
KinderUni, Gotha, DE
Human Evolution: Fossils, Ancient and Modern Genomes, Hinxton, UK
Max Planck Institute for Social Anthropology, Halle, DE
DKFZ-ZMBH Colloquium Series, Heidelberg, DE
ESHG, Copenhagen, DK
Friedrich-Löffler-Institut, Riems, DE
EHBEA, Paris, FR
HGM 2017 Conference, Barcelone, ES

2016

Kirche und Wissenschaft, München, DE
CARTA Symposium, San Diego, US
KinderUni, Weil, DE
Banbury Center, New York, US
Leopoldina, Berlin, DE
Heidelberger Akademie der Wissenschaften, DE
Technische Universität, Ilmenau, DE
Freie Universität, Berlin, DE
16th international Gene Forum 2016, Tartu, EE
Schule mit Wissenschaft, Erfurt, DE
SMBE Conference, Gold Coast, AU
Medical Genetics Summer School, Universität Tübingen, DE
URPP Evolution in Action, Rheinfelden, DE
ISBA7, Oxford, UK
Schloss Ringbach, Tegernsee, DE
Blumenbach Lecture, Georg-August-Universität Göttingen, DE
Wissenschaftsfestival an der MGU, Moscow, RU
Zoonosensymposium, Berlin
Goethe-Universität, Frankfurt, DE
Helmholtz-Vorlesung, Humboldt-Universität zu Berlin, DE
Zoonose-Workshop, Gießen, DE

2015

Annual Conference of the Association for General and Applied Microbiology, Marburg, DE

12. Naturwissenschaftliches Forum der Academia Engiadina, Zurich, CH

Leiden University, NL

Society for General Microbiology Conference, Birmingham, UK

SMBE, Vienna, AT

Systems Biology of Infection symposium, Monte Verità, CH

Studium Generale, Groningen, NL

Genetic History: A Challenge to Historical and Archaeological Studies Conference, Berlin, DE

Albert-Ludwigs-Universität Freiburg, DE

List of publications

(As of May 2024. A continuously updated list of publications can be found at:
<https://www.eva.mpg.de/archaeogenetics/staff/johannes-krause/>)

Total number	248
Articles	228
Books	3
Book chapters	17
H-index	80 (Scopus)
	101 (Google Scholar)

Articles

2024

228. Gneccchi Ruscone, G. A., Rácz, Z., Samu, L., Szeniczey, T., Faragó, N., Knipper, C., Friedrich, R., Zlámálová, D., Traverso, L., Liccardo, S., Wabnitz, S., Popli, D. R., Wang, K., Radzeviciute, R., Gulyás, B., Koncz, I., Balogh, C., Lezsák, G. M., Mácsai, V., Bunbury, M. M. E., Spekker, O., le Roux, P., Szécsényi-Nagy, A., Mende, B. G., Colleran, H., Hajdu, T., Geary, P., Pohl, W., Vida, T., **Krause, J.**, & Hofmanová, Z. (2024). Network of large pedigrees reveals social practices of Avar communities (advance online). *Nature*.
227. Sun, B., Andrades Valtueña, A., Kocher, A., Gao, S., Li, C., Fu, S., Zhang, F., Ma, P., Yang, X., Qiu, Y., Zhang, Q., Ma, J., Chen, S., Xiao, X., Damchaabadgar, S., Li, F., Kovalev, A., Hu, C., Chen, X., Wang, L., Li, W., Zhou, Y., Zhu, H., **Krause, J.**, Herbig, A., & Cui, Y. (2024). Origin and dispersal history of Hepatitis B virus in Eastern Eurasia. *Nature Communications*, 15: 2951.
226. Penske, S., Küßner, M., Rohrlach, A. B., Knipper, C., Nováček, J., Childebayeva, A., **Krause, J.**, & Haak, W. (2024). Kinship practices at the early bronze age site of Leubingen in Central Germany. *Scientific Reports*, 14(1): 3871.
225. Smith, G. M., Ruebens, K., Zavala, E. I., Sinet-Mathiot, V., Fewlass, H., Pederzani, S., Jaouen, K., Mylopotamitaki, D., Britton, K., Rougier, H., Stahlschmidt, M., Meyer, M., Meller, H., Dietl, H., Orschiedt, J., **Krause, J.**, Schüler, T., McPherron, S. P., Weiss, M., Hublin, J.-J., & Welker, F. (2024). The ecology, subsistence and diet of ~45,000-year-old *Homo sapiens* at Ilsenhöhle in Ranis, Germany. *Nature Ecology & Evolution*.
224. Mylopotamitaki, D., Weiss, M., Fewlass, H., Zavala, E. I., Rougier, H., Sümer, A., Hajdinjak, M., Smith, G. M., Ruebens, K., Sinet-Mathiot, V., Pederzani, S., Essel, E., Harking, F. S., Xia, H., Hansen, J., Kirchner, A., Lauer, T., Stahlschmidt, M., Hein, M., Talamo, S., Wacker, L., Meller, H., Dietl, H., Orschiedt, J., Olsen, J. V., Zeberg, H., Prüfer, K., **Krause, J.**, Meyer, M., Welker, F., McPherron, S. P., Schüler, T., & Hublin, J.-J. (2024). *Homo sapiens* reached the higher latitudes of Europe by 45,000 years ago. *Nature*, 626, 341-346.
223. Rohrlach, A. B., Rivollat, M., de-Miguel-Ibáñez, P., Moilanen, U., Liira, A.-M., Teixeira, J. C., Roca-Rada, X., Armendáriz-Martija, J., Boyadzhiev, K., Boyadzhiev, Y., Llamas, B., Tiliakou, A., Mötsch, A., Tuke, J., Prevedorou, E.-A., Polychronakou-Sgouritsa, N., Buikstra, J., Onkamo, P., Stockhammer, P. W., Heyne, H. O., Lemke, J. R., Risch, R., Schiffels, S., **Krause, J.**, Haak, W., & Prüfer, K. (2024). Cases of trisomy 21 and trisomy 18 among historic and prehistoric individuals discovered from ancient DNA. *Nature Communications*, 15: 1294.

2023

222. Carlhoff, S., Kutanan, W., Rohrlach, A. B., Posth, C., Stoneking, M., Nägele, K., Shoocongdej, R., & **Krause, J.** (2023). Genomic portrait and relatedness patterns of the Iron Age Log Coffin culture in northwestern Thailand. *Nature Communications*, 14(1): 8527.

221. Wang, K., Prüfer, K., Krause-Kyora, B., Childebayeva, A., Schuenemann, V. J., Coia, V., Maixner, F., Zink, A., Schiffels, S., & **Krause, J.** (2023). High-coverage genome of the Tyrolean Iceman reveals unusually high Anatolian farmer ancestry (advance online). *Cell Genomics*, 100377.
220. Heggarty, P., Anderson, C., Scarborough, M., King, B., Bouckaert, R., Jocz, L., Kümmel, M. J., Jügel, T., Irlsinger, B., Pooth, R., Liljegren, H., Strand, R. F., Haig, G., Macák, M., Kim, R. I., Anonby, E., Pronk, T., Belyaev, O., Dewey-Findell, T. K., Boutilier, M., Freiberg, C., Tegethoff, R., Serangeli, M., Liosis, N., Stroński, K., Schulte, K., Gupta, G. K., Haak, W., **Krause, J.**, Atkinson, Q. D., Greenhill, S. J., Kühnert, D., & Gray, R. D. (2023). Language trees with sampled ancestors support a hybrid model for the origin of Indo-European languages. *Science*, 381(6656): eabg0818.
219. Parker, C. E., Hiss, A. N., Spyrou, M. A., Neumann, G. U., Slavin, P., Nelson, E. A., Nagel, S., Dalidowski, X., Friederich, S., **Krause, J.**, Herbig, A., Haak, W., & Bos, K. I. (2023). 14th century *Yersinia pestis* genomes support emergence of *pestis secunda* within Europe. *PLoS Pathogens*, 19(7): e1011404.
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