

Curriculum vitae

Johannes Krause

Born 1980 in Leinefelde, Thuringia, Germany

Contact Department of Archaeogenetics
Max Planck Institute for Evolutionary Anthropology
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04103 Leipzig, Germany

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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, Leipzig, Germany, Department of Archaeogenetics

Since 2020 **Commissiary head**, Max Planck Institute for the Science of Human History, Jena, Germany, Department of Archaeogenetics

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, Germany

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

Professional Career

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

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", University of Leipzig & 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**, University Leipzig, Germany
- 2002 - 2003 **Biochemistry**, University College Cork, Ireland

Selected Research Grants

- 2020 - 2026 **ERC Synergy Grant**: "HistoGenes – Integrating genetic, archaeological and historical perspectives on Eastern Central Europe, 400-900 AD." Total grant: 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: 170,000 Euro
- 2016 - 2021 **Max Planck – Harvard Research Center for the Archaeoscience in the Ancient Mediterranean (MHAAM)**. 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 Disease." Total financial grant: 1,500,000 Euro
- 2013 - 2016 **WIN-Kolleg** Heidelberger academy project: "New ways to integrate natural sciences and humanities." Total financial grant for Palaeogenetics research group: 130,000 Euro
- 2013 - 2016 **Landesstiftung Baden-Württemberg**: "Genetic investigation of the prehistorical settlement of the Ach and Lone Valleys." Total financial grant: 150,000 Euro
- 2012 - 2015 **DFG Research Grant**: "The settlement of Europe: Population genetic history of Pleistocene modern humans in Europe." Total financial grant: 252,000 Euro
- 2010 - 2014 **Carl Zeiss Foundation** (structural innovation program) Environmental Archaeology (Umweltarchäologie): "The impact of climate change on early societies." Total financial grant for Palaeogenetics research group: 400,000 Euro

Fellowships, Honors and Academic Service

- 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 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**

2015 Excellent Speaker Award, **Boerhaave Nascholing**

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** of **EVE** – Evolution and Ecology Forum Tuebingen

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

since 2010 **Associate Editor** 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 *Science, Nature, Nature Reviews Genetics, PLoS Biology, PLoS ONE, Molecular Biology and Evolution, Am. J. Phys. Anthropol., BMC Evolutionary Biology, Mitochondria, BMC Bioinformatics, Biotechniques, Genome research, MBE, Biolinguistics, PNAS*

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 17 Ph.D. students:

Barf, L.M. (since 2019); **Saari, N.** (since 2018); **Musralina, L.** (since 2018); **Neumann, G.** (since 2018); **Clayton, S.** (since 2019); **Carlhoff, S.** (since 2018); **Michel, M.** (MHAAM since 2017); **Barquera, R.** (since 2016); **Naegele, K.** (since 2016); **Neukamm, J.** (since 2016); **Parker, C.** (since 2016); **Skourtanioti, E.** (since 2016); **Pfrengele, S.** (since 2015); **Valtuena, A.** (since 2015); **van Loodsrecht, M.** (since 2015); **Fellow Yates, J.** (since 2015); **Majander, K.** (since 2014)

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

Feldman, M., Friedrich Schiller Universität, Jena (since 2013-2020); **Immel, A.**, Friedrich Schiller Universität (2013-2020); **Keller, M.**, Friedrich Schiller Universität (2015-2020); **Mittnik, A.**, Universität Tübingen (2011-2016); **Posth, C.**, Universität Tübingen (2011-2017); **Sabin, S.**, Friedrich Schiller Universität, Jena (2016-2019); **Spyrou, M.**, Universität Tübingen (2013-2018) [**winner of MPG Otto Hahn Medal**]; **Vagene, A.**, Universität Tübingen (2013-2018); **Peltzer, A.**, Universität Tübingen (since 2014-2017); **Schuenemann, V.**, Universität Tübingen (2010-2014) **Furtwängler, A.**, Universität Tübingen (2015-2020)

23 MA theses completed:

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), **Fellow-Yates, J.** Universität Tübingen (2014-2015), **Neukamm, J.** Universität Tübingen (2014-2015), **Kuccukalipci, I.** Universität Tübingen (2014-2015), **Pfrenge, S.** Universität Tübingen (2014-2015), **Valtuna, 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), **Mittnik, A.** Universität Tübingen (2010-2011), **Rankin, S.** Universität Upsalla/MPI-EVA (2009-2010), **Northoff, B.** Universität Leipzig (2008-2009), **Unger, T.** Universität Leipzig (2007-2008)

Public Outreach and Media Coverage

Selected television coverage:

ZDF: "Terra X" (**March 2020, October 2018, November 2017**); ZDF: „Mittagsmagazin“ (**2019**); MDR: "Riverboat" (**2019**); NDR: "Das!" (**2019**); Arte TV, ZDF: „Die Reise der Menschheit“ (**awarded with 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**); Bundesfilmverband 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, Deutsche Welle, Radioeins, SRF, NPR, CBC Radio, BBC Radio, Radio Scotland, RBB Kulturradio, MDR Figaro, Mephisto, Radio Schweden, Radio NZ, BBC World, BBC Africa, ORF Radiokolleg, Irish Radio, Radio Sachsen, SBS Sydney

Selected print media:

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

Invited Presentations (total: over 300, selected are listed since 2015)

2020

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, Barcelona, 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
Göthe-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

(Current as of June 2020. A continuously updated list of publications can be found at:
www.shh.mpg.de/Johannes-Krause-Publications)

Total number	165
Peer reviewed	145

Books	3
Book chapters	4
H-Index	64 (Scopus)
	65 (Google Scholar)

2020

165. Nagele, K., C. Posth, M. Iraeta Orbegozo, Y. Chiniqve de Armas, S. T. Hernandez Godoy, U. M. Gonzalez Herrera, M. A. Nieves-Colon, M. Sandoval-Velasco, D. Mylopotamitaki, R. Radzeviciute, J. Laffoon, W. J. Pestle, J. Ramos-Madrigal, T. C. Lamnidis, W. C. Schaffer, R. S. Carr, J. S. Day, C. Arredondo Antunez, A. Rangel Rivero, A. J. Martinez-Fuentes, E. Crespo-Torres, I. Roksandic, A. C. Stone, C. Lalueza-Fox, M. Hoogland, M. Roksandic, C. L. Hofman, **J. Krause** and H. Schroeder (2020). "Genomic insights into the early peopling of the Caribbean." *Science* **369**(6502): 456-460.
164. Ning, C., Li, T., Wang, K., Zhang, F., Li, T., Wu, X., Gao, S., Zhang, Q., Zhang, H., Hudson, M., Dong, G., Wu, S., Fang, Y., Liu, C., Feng, C., Li, W., Han, T., Li, R., Wei, J., Zhu, Y., Zhou, Y., Wang, C.-C., Fan, S., Xiong, Z., Sun, Z., Ye, M., Sun, L., Wu, X., Liang, F., Cao, Y., Wei, X., Zhu, H., Zhou, H., **Krause, J.**, Robbeets, M., Jeong, C. and Cui, Y. (2020) Ancient genomes from northern China suggest links between subsistence changes and human migration. *Nature Communications* **11**, 2700.
163. Rivollat, M., Jeong, C., Schiffels, S., Kucukkallıpcı, İ., Pemonge, M.-H., Rohrlach, A. B., Alt, K. W., Binder, D., Friederich, S., Ghesquière, E., Gronenborn, D., Laporte, L., Lefranc, P., Meller, H., Réveillas, H., Rosenstock, E., Rottier, S., Scarre, C., Soler, L., Wahl, J., **Krause, J.**, Deguilloux, M.-F. and Haak, W. (2020) Ancient genome-wide DNA from France highlights the complexity of interactions between Mesolithic hunter-gatherers and Neolithic farmers. *Science Advances* **6** (22), eaaz5344.
162. Skourtanioti, E., Erdal, Y. S., Frangipane, M., Balossi Restelli, F., Yener, K. A., Pinnock, F., Matthiae, P., Özbal, R., Schoop, U.-D., Guliyev, F., Akhundov, T., Lyonnet, B., Hammer, E. L., Nugent, S. E., Burri, M., Neumann, G. U., Pense, S. E., Ingman, T., Akar, M., Shafiq, R., Palumbi, G., Eisenmann, S., D'Andrea, M., Rohrlach, A. B., Warinner, C., Jeong, C., Stockhammer, P. W., Haak, W. and **Krause, J.** (2020) Genomic history of Neolithic to Bronze Age Anatolia, Northern Levant, and Southern Caucasus. *Cell* **181** (5): 1158 - 1175.e1128.
161. Yu, H., Spyrou, M. A., Karapetian, M., Shnaider, S., Radzeviciute, R., Nägele, K., Neumann, G. U., Pense, S. E., Zech, J., Lucas, M., LeRoux, P., Roberts, P., Pavlenok, G., Buzhilova, A., Posth, C., Jeong, C. and **Krause, J.** (2020) Paleolithic to Bronze Age Siberians reveal connections with first Americans and across Eurasia. *Cell*. doi:10.1016/j.cell.2020.04.037.
160. Barquera, R., Lamnidis, T. C., Lankapalli, A. K., Kocher, A., Hernández-Zaragoza, D. I., Nelson, E. A., Zamora-Herrera, A. C., Perez Ramallo, P., Bernal-Felipe, N., Immel, A., Bos, K., Acuña-Alonzo, V., Barbieri, C., Roberts, P., Herbig, A., Kühnert, D., Márquez-Morfin, L. and **Krause, J.** (2020) Origin and health status of first-generation Africans from early colonial Mexico. *Current Biology* **30**: 1 - 14.
159. Furtwängler, A., Rohrlach, A. B., Lamnidis, T. C., Papac, L., Neumann, G., Siebke, I., Reiter, E., Steuri, N., Hald, J., Denaire, A., Schnitzler, B., Wahl, J., Ramstein, M., Schuenemann, V. J., Stockhammer, P. W., Hafner, A., Lössch, S., Haak, W., Schiffels, S. and **Krause, J.** (2020) Ancient genomes reveal social and genetic structure of Late Neolithic Switzerland. *Nature Communications* **11** (11): 1915.
158. Loosdrecht, M. S. v. d., Mannino, M. A., Talamo, S., Villalba-Mouco, V., Posth, C., Aron, F., Brandt, G., Burri, M., Freund, C., Radzeviciute, R., Stahl, R., Wissgott, A., Klausnitzer, L., Nagel, S., Meyer, M., Tagliacozzo, A., Piperno, M., Tusa, S., Collina, C., Schimmenti, V., Salvo, R. D., Prüfer, K., Hublin, J.-J., Schiffels, S., Jeong, C., Haak, W. and **Krause, J.** (2020) Genomic and dietary transitions during the Mesolithic and Early Neolithic in Sicily. *bioRxiv* 10.1101/2020.03.11.986158.
157. Marcus, J. H., Posth, C., Ringbauer, H., Lai, L., Skeates, R., Sidore, C., Beckett, J., Furtwängler, A., Olivieri, A., Chiang, C. W. K., Al-Asadi, H., Dey, K., Joseph, T. A., Liu, C.-C., Der Sarkissian, C., Radzeviciute, R., Michel, M., Gradoli, M. G., Marongiu, P., Rubino, S., Mazzarello, V., Rovina, D., La Fragola, A., Serra, R. M., Bandiera, P., Bianucci, R., Pompianu, E., Murgia, C., Guirguis, M., Orquin, R. P., Tuross, N., van Dommelen, P., Haak, W., Reich, D., Schlessinger, D., Cucca, F., **Krause, J.** and Novembre, J. (2020)

Genetic history from the Middle Neolithic to present on the Mediterranean island of Sardinia. *Nature Communications* 11 (1).

2019

156. Bos, K. I., Kühnert, D., Herbig, A., Esquivel Gomez, L. R., Andrades Valtueña, A., Barquera Lozano, R. J., Giffin, K., Lankapalli, A. K., Nelson, E. A., Sabin, S., Spyrou, M. A. and **Krause, J.** (2019) Paleomicrobiology: Diagnosis and Evolution of Ancient Pathogens. *Annual Review of Microbiology* 73 (1): 639 - 666.
155. Feldman, M., Fernández-Domínguez, E., Reynolds, L., Baird, D., Pearson, J., Hershkovitz, I., May, H., Goring-Morris, N., Benz, M., Gresky, J., Bianco, R. A., Fairbairn, A., Mustafaoğlu, G., Stockhammer, P. W., Posth, C., Haak, W., Jeong, C. and **Krause, J.** (2019) Late Pleistocene human genome suggests a local origin for the first farmers of central Anatolia. *Nature Communications* 10.
154. Feldman, M., Master, D. M., Bianco, R. A., Burri Promerová, M., Stockhammer, P. W., Mitnik, A., Aja, A. J., Jeong, C. and **Krause, J.** (2019) Ancient DNA sheds light on the genetic origins of early Iron Age Philistines. *Science Advances* 5 (7).
153. Fischer, M. S., Hoßfeld, U., **Krause, J.** and Richter, S. (2019) Jenaer Erklärung: das Konzept der Rasse ist das Ergebnis von Rassismus und nicht dessen Voraussetzung. *Biologie in unserer Zeit* 49 (6): 399 - 402.
152. Flegontov, P., Altınışık, N. E., Changmai, P., Rohland, N., Mallick, S., Adamski, N., Bolnick, D. A., Broomandkhoshbacht, N., Candilio, F., Culleton, B. J., Flegontova, O., Friesen, T. M., Jeong, C., Harper, T. K., Keating, D., Kennett, D. J., Kim, A. M., Lamnidis, T. C., Lawson, A. M., Olalde, I., Oppenheimer, J., Potter, B. A., Raff, J., Sattler, R. A., Skoglund, P., Stewardson, K., Vajda, E. J., Vasilyev, S., Veselovskaya, E., O'Rourke, M. G. H. D. H., **Krause, J.**, Pinhasi, R. and Schiffels, S. (2019) Palaeo-Eskimo genetic ancestry and the peopling of Chukotka and North America. *Nature* 10.1038/s41586-019-1251-y.
151. Gretzinger, J., Molak, M., Reiter, E., Pfrengle, S., Urban, C., Neukamm, J., Blant, M., Conard, N. J., Cupillard, C., Dimitrijević, V., Drucker, D. G., Hofman-Kamińska, E., Kowalczyk, R., Krajcarz, M. T., Krajcarz, M., Münzel, S. C., Peresani, M., Romandini, M., Rufí, I., Soler, J., Terlato, G., **Krause, J.**, Bocherens, H. and Schuenemann, V. J. (2019) Large-scale mitogenomic analysis of the phylogeography of the Late Pleistocene cave bear. *Scientific Reports* 9 (1).
150. Hübler, R., Key, F. M., Warinner, C. G., Bos, K. I., **Krause, J.** and Herbig, A. (2019) HOPS: Automated detection and authentication of pathogen DNA in archaeological remains. *Genome Biology* 20.
149. Jeong, C., Balanovsky, O., Lukianova, E., Kahbatkyzy, N., Flegontov, P., Zaporozhchenko, V., Immel, A., Wang, C., Ixan, O., Khussainova, E., Bekmanov, B., Zaibert, V., Lavryashina, M., Pocheshkhova, E., Yusupov, Y., Agdzhoyan, A., Koshel, S., Bukin, A., Nymadawa, P., Turdikulova, S., Dalimova, D., Churnosov, M., Skhalyakho, R., Daragan, D., Bogunov, Y., Bogunova, A., Shtrunov, A., Dubova, N., Zhabagin, M., Yepiskoposyan, L., Churakov, V., Pislegin, N., Damba, L., Saroyants, L., Dibirova, K., Atramentova, L., Utevska, O., Idrisov, E., Kamenshchikova, E., Evseeva, I., Metspalu, M., Outram, A. K., Robbeets, M., Djansugurova, L., Balanovska, E., Schiffels, S., Haak, W., Reich, D. and **Krause, J.** (2019) The genetic history of admixture across inner Eurasia. *Nature Ecology and Evolution* 10.1038/s41559-019-0878-2.
148. Keller, M., Spyrou, M. A., Scheib, C. L., Neumann, G., Kröpelin, A., Haas-Gebhard, B., Pääfgen, B., Haberstroh, J., Lacombe, A. R., Raynaud, C., Cessford, C., Durand, R., Stadler, P., Nägele, K., Bates, J. S., Trautmann, B., Inskip, S. A., Peters, J., Robb, J. E., Kivisild, T., Castex, D., McCormick, M., Bos, K. I., Harbeck, M., Herbig, A. and **Krause, J.** (2019) Ancient *Yersinia pestis* genomes from across Western Europe reveal early diversification during the First Pandemic (541–750). *Proceedings of the National Academy of Sciences of the United States of America* 116 (25): 12363 - 12372.
147. **Krause, J.**, and Trappe, T., (2019) *Die Reise unserer Gene: Eine Geschichte über uns und unsere Vorfahren.* Propyläen Verlag, Berlin.
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