

Johannes Krause

Born 1980 in Leinefelde, Thüringen, Germany
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Research Focus

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

Present Positions

Since 2018 Full **Professor for Archaeogenetics**, Institute of Zoology and Evolutionary Research, Friedrich Schiller University Jena
Since 2016 **Director, Max-Planck – Harvard Research Center** for the Archaeoscience of the Ancient Mediterranean (MHAAM)
Since 2015 Honorary **Professor** for Archaeo- and Paleogenetics, Institute for Archaeological Sciences, Eberhard Karls University Tuebingen
Since 2014 **Director, Max Planck Institute for the Science of Human History**, Jena, Department of Archaeogenetics

Professional Career

2013-2015 Full **Professor (W3)** for Archaeo- and Paleogenetics, Institute for Archaeological Sciences, Eberhard Karls University Tuebingen
2010-2013 **Junior Professor (W1)** for Palaeogenetics, Institute for Archaeological Sciences, Eberhard Karls University Tuebingen
2008-2010 **Postdoctoral Fellow** at the Max Planck Institute for Evolutionary Anthropology, Department of Evolutionary Genetics, Leipzig, Germany. Research: Ancient human genetics and genomics
2003-2005 **Student Assistant** at the Max Planck Institute for Evolutionary Anthropology, Department of Evolutionary Genetics, Leipzig, Germany
2005-2008 **Dr. rer. nat. (PhD)** *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

University Education

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

Selected Research Grants

- 2017-2019 **GENESEZS: “Genetic exploitation 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 grant: 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 grant: 200.000 Euro for Johannes Krause
- 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 Akademie Projekt: “New ways to integrate natural sciences and humanities.” Total financial grant for Palaeogenetics research group: 130,000 Euro
- 2013-2016 **Landesstiftung Baden Wuerttemberg: “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 (Umweltarchaeologie): “The impact of climate change on early societies.” Total financial grant for Palaeogenetics research group: 400,000 Euro

Fellowships, Honors and Academic Service

- since 2018 **Speaker** for the Max Planck Research School for Human Origins
- 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**
- 2015 **Boerhaave Nascholing**, Excellent Speaker Award
- 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** – Tuebinger 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*, Reviewing Editor for eLife

Teaching

2013-2015 Seminar, 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
 2010-2015 Seminar, lecture and practical session in **Human Genetics**, Palaeoanthropology Bachelor, University of Tuebingen
 2009/2001 Seminar and practical session in **Biochemistry**, Polyvalenter Bachelor, University of Leipzig
 2009 Practical session: **Evolutionary Ecology**, master module for biologists, University of Leipzig

Supervision of Master´s - and Ph.D. students

Master´s degrees completed:

Neumann, G. Uni Tuebingen (2017-2018), **Gretzinger, J.** Uni Tuebingen (2017-2018), **Bianco R.A.** Uni Tübingen (2017-2018), **Lacher, L.** Uni Tübingen (2016-2017), **Jodoin, S.** Uni Tübingen (2016-2017), **Venkatakrishnan, S** Uni Tuebingen (2016-2017), **Feuerborn, T** Uni Tuebingen (2015-2016), **Sabin, S** Uni Tuebingen (2015), **Furtwängler, A** Uni Tuebingen (2014-2015), **Begg, T** Uni Tuebingen (2014-2015), **Fellow-Yates, J** Uni Tuebingen (2014-2015), **Neukamm, J** Uni Tuebingen (2014-2015), **Kuccukalipci, I** Uni Tuebingen (2014-2015), **Pfrenge, S** Uni Tuebingen (2014-2015), **Valtuena, A** Uni Tuebingen (2014-2015), **Peltzer, A** Uni Tuebingen (2013-2014), **Bonazzi, M** Uni Strassbourg (2012-2013), **Posth, C** Uni Florenz (2012-2013), **Langbein, F** Uni Tuebingen (2011-2012), **Mitnik, A** Uni Tuebingen (2010-2011), **Rankin, S** MPI Leipzig (2009-2010), **Northoff, B** Uni Leipzig (2008-2009), **Unger, T** Uni Leipzig (2007-2008)

Ph.D. degrees completed:

Vagene, A Uni Tuebingen (2013-2018), **Spyrou, M** Uni Tuebingen (2013-2018), **Korlević P.** Uni Leipzig (2015-2018), **O'Sullivan, N** (since 2014-2018), **Posth, C** Uni Tuebingen (2011-2017), **Peltzer, A** (since 2014-2017), **Immel, A** Uni Tuebingen (2013-2017), **Mitnik, A** Uni Tuebingen (2011-2016), **Schuenemann, V** Uni Tuebingen(2010-2014)

Ph.D. degrees in progress:

Clayton, S. (since 2019), **Barquera, R** (since 2016), **Giffin, K** (since 2016), **Huebler, R** (since 2016), **Naegele, K** (since 2016), **Nelson, B** (since 2016), **Neukamm, J** (since 2016), **Parker, C** (since 2016), **Papac, L** (since 2016), **Skourtanioti, E** (since 2016), **Wang, K** (since 2016), **Fellow Yates, J** (since 2015), **Furtwängler, A** (since 2015), **Keller, M** (since 2015), **Lankapalli, A** (since 2015), **Lamnidis, T** (since 2015), **Pfrenge, S** (since 2015), **Sabin, S** (since 2015), **Valtuna, A** (since 2015), **van Loodsrecht, M** (since 2015), **Majander, K** (since 2014), **Feldman, M**, (since 2013),

Public Outreach

Public Outreach and Media Coverage

Selected presentations(talks/public lectures)

KinderUni, „Warum steckt in jedem von uns ein kleiner Neandertaler?“ (Weil der Stadt, Gotha, Tübingen) (2018)

Landesmuseum Für Vorgeschichte, Halle, „Genetische Geschichte eiszeitlicher Jäger und Sammler“ (2018)

Lange Nacht der Wissenschaften, Jena: „Die genetische Herkunft der Europäer: Migration in der Vorgeschichte“ (2017)

Jahrestagung Akademie der Wissenschaften, Festvortrag (2017)

Latest Thinking: “Are Europeans Today Genetically Different from Their Ancestors?” (2016)

Max Planck Forum Berlin: „Neues vom Menschen. Die genetische Herkunft der Europäer“ (2015)

CARTA (Center for Academic Research and Training in Anthropogeny) Symposium: Ancient DNA and Human Evolution – Johannes Krause: “Ancient European Population History” (2015)

Lichtbildarena Jena, „Die Reise der Pathogene“ (2014)

Selected television coverage:

Arte TV, ZDF: „Die Reise der Menschheit“ **(2018)**

Zweites Deutsches Fernsehen: “Terra X“ **(November 2017, Oktober 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, 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 123 (23 Keynote lectures)

Publications

(Current as of January 2019. A continuously updated list of publications can be found at: www.shh.mpg.de/Johannes-Krause-Publications)

Total number	115
Peer reviewed	111
Book chapters	4
H-Index	43 (Scopus)
	51 (Google Scholar)

List of Publications

(As of January 2019. A continuously updated list of publications can be found at:
www.shh.mpg.de/Johannes-Krause-Publications)

- Vågene, Åshild J., Alexander Herbig, Michael G. Campana, Nelly M. Robles García, Christina Warinner, Susanna Sabin, Maria A. Spyrou, Aida Andrades Valtueña, Daniel Huson, Noreen Tuross, Kirsten I. Bos, and **Johannes Krause** (2018) Salmonella enterica genomes from victims of a major sixteenth-century epidemic in Mexico. *Nature Ecology & Evolution*.
- Spyrou, Maria A., Rezeda I. Tukhbatova, Chuan-Chao Wang, Aida Andrades Valtueña, Aditya K. Lankapalli, Vitaly V. Kondrashin, Víctor A. Tsybin, Aleksandr Khokhlov, Denise Kühnert, Alexander Herbig, Kirsten I. Bos, and **Johannes Krause** (2018) Analysis of 3800-year-old Yersinia pestis genomes suggests Bronze Age origin for bubonic plague. *Nature Communications* 9: 2234.
- Schuenemann, Verena J., Aditya Kumar Lankapalli, Rodrigo Barquera, Elizabeth A. Nelson, Diana Iraíz Hernández, Víctor Acuña Alonzo, Kirsten I. Bos, Lourdes Márquez Morfín, Alexander Herbig, and **Johannes Krause** (2018) Historic Treponema pallidum genomes from Colonial Mexico retrieved from archaeological remains. *PLOS Neglected Tropical Diseases* 12: e0006447.
- Schuenemann, Verena J., Charlotte Avanzi, Ben Krause-Kyora, Alexander Seitz, Alexander Herbig, Sarah Inskip, Marion Bonazzi, Ella Reiter, Christian Urban, Dorte Dangvard Pedersen, G. Michael Taylor, Pushpendra Singh, Graham R. Stewart, Petr Velemínský, Jakub Likovsky, Antónia Marcsik, Erika Molnár, György Pálfi, Valentina Mariotti, Alessandro Riga, M. Giovanna Belcastro, Jesper L. Boldsen, Almut Nebel, Simon Mays, Helen D. Donoghue, Sonia Zakrzewski, Andrej Benjak, Kay Nieselt, Stewart T. Cole, and **Johannes Krause** (2018) Ancient genomes reveal a high diversity of Mycobacterium leprae in medieval Europe. *PLOS Pathogens* 14: e1006997.
- Posth, Cosimo, Nathan Nakatsuka, Iosif Lazaridis, Pontus Skoglund, Swapan Mallick, Thiseas Christos Lamnidis, Nadin Rohland, Kathrin Nägele, Nicole Adamski, Emilie Bertolini, Nasreen Broomandkoshbacht, Alan Cooper, Brendan J. Culleton, Tiago Ferraz da Silva, Matthew Ferry, Anja Furtwängler, Wolfgang Haak, Kelly Harkins, Thomas K. Harper, Tábita Hünemeier, Ann Marie Lawson, Bastien Llamas, Megan Michel, Elizabeth A. Nelson, Jonas Oppenheimer, Nick Patterson, Stephan Schiffels, Jakob Sedig, Kristin Stewardson, Sahra Talamo, Chuan-Chao Wang, Jean-Jacques Hublin, Mark Hubbe, Katerina Harvati, Amalia Nuevo Delaunay, Judith Beier, Michael Francken, Peter Kaulicke, Hugo Reyes-Centeno, Kurt Rademaker, Willa R. Trask, Mark Robinson, Said M. Gutierrez, Keith M. Prufer, Domingo C. Salazar-García, Eliane N. Chim, Lisiane Müller Plumm Gomes, Marcony L. Alves, Andersen Liryo, Mariana Inglez, Rodrigo E. Oliveira, Danilo V. Bernardo, Alberto Barioni, Veronica Wesolowski, Nahuel A. Scheifler, Mario A. Rivera, Claudia R. Plens, Pablo G. Messineo, Levy Figuti, Daniel Corach, Clara Scabuzzo, Sabine Eggers, Paulo DeBlasis, Markus Reindel, César Méndez, Gustavo Politis, Elsa Tomasto-Cagigao, Douglas J. Kennett, André Strauss, Lars Fehren-Schmitz, **Johannes Krause**, and David Reich (2018) Reconstructing the deep population history of Central and South America. *Cell* 175: 1185 - 1197
- Posth, Cosimo, Kathrin Nägele, Heidi Colleran, Frédérique Valentin, Stuart Bedford, Kaitip W. Kami, Richard Shing, Hallie Buckley, Rebecca Kinaston, Mary Walworth, Geoffrey R. Clark, Christian Reepmeyer, James Flexner, Tamara Maric, Johannes Moser, Julia Gresky, Lawrence Kiko, Kathryn J. Robson, Kathryn Auckland, Stephen J. Oppenheimer, Adrian V. S. Hill, Alexander J. Mentzer, Jana Zech, Fiona Petchey, Patrick Roberts, Choongwon Jeong, Russell D. Gray, **Johannes Krause**, and Adam Powell (2018) Language continuity despite population replacement in Remote Oceania. *Nature Ecology & Evolution* 2: 731-740.
- Peltzer, Alexander, Alissa Mitnik, Chuan-Chao Wang, Tristan Begg, Cosimo Posth, Kay Nieselt, and **Johannes Krause** (2018) Inferring genetic origins and phenotypic traits of George Bähr, the architect of the Dresden Frauenkirche. *Scientific Reports* 8: 2115.
- Olalde, Iñigo, Selina Brace, Morten E. Allentoft, Ian Armit, Kristian Kristiansen, Thomas Booth, Nadin Rohland, Swapan Mallick, Anna Szécsényi-Nagy, Alissa Mitnik, Eveline Altena, Mark

- Lipson, Iosif Lazaridis, Thomas K. Harper, Nick Patterson, Nasreen Broomandkoshbacht, Yoan Diekmann, Zuzana Faltyskova, Daniel Fernandes, Matthew Ferry, Eadaoin Harney, Peter de Knijff, Megan Michel, Jonas Oppenheimer, Kristin Stewardson, Alistair Barclay, Kurt Werner Alt, Corina Liesau, Patricia Ríos, Concepción Blasco, Jorge Vega Miguel, Roberto Menduïña García, Azucena Avilés Fernández, Eszter Bánffy, Maria Bernabò-Brea, David Billoin, Clive Bonsall, Laura Bonsall, Tim Allen, Lindsey Büster, Sophie Carver, Laura Castells Navarro, Oliver E. Craig, Gordon T. Cook, Barry Cunliffe, Anthony Denaire, Kirsten Egging Dinwiddy, Natasha Dodwell, Michal Ernée, Christopher Evans, Milan Kuchařík, Joan Francès Farré, Chris Fowler, Michiel Gazenbeek, Rafael Garrido Pena, María Haber-Uriarte, Elżbieta Haduch, Gill Hey, Nick Jowett, Timothy Knowles, Ken Massy, Saskia Pfrengle, Philippe Lefranc, Olivier Lemerrier, Arnaud Lefebvre, César Heras Martínez, Virginia Galera Olmo, Ana Bastida Ramírez, Joaquín Lomba Maurandi, Tona Majó, Jacqueline I. McKinley, Kathleen McSweeney, Balázs Gusztáv Mende, Alessandra Modi, Gabriella Kulcsár, Viktória Kiss, András Czene, Róbert Patay, Anna Endrődi, Kitti Köhler, Tamás Hajdu, Tamás Szeniczey, János Dani, Zsolt Bernert, Maya Hoole, Olivia Cheronet, Denise Keating, Petr Velemínský, Miroslav Dobeš, Francesca Candilio, Fraser Brown, Raúl Flores Fernández, Ana-Mercedes Herrero-Corral, Sebastiano Tusa, Emiliano Carnieri, Luigi Lentini, Antonella Valenti, Alessandro Zanini, Clive Waddington, Germán Delibes, Elisa Guerra-Doce, Benjamin Neil, Marcus Brittain, Mike Luke, Richard Mortimer, Jocelyne Desideri, Marie Besse, Günter Brücken, Mirosław Furmanek, Agata Hałaszkó, Maksym Mackiewicz, Artur Rapiński, Stephany Leach, Ignacio Soriano, Katina T. Lillios, João Luís Cardoso, Michael Parker Pearson, Piotr Włodarczak, T. Douglas Price, Pilar Prieto, Pierre-Jérôme Rey, Roberto Risch, Manuel A. Rojo Guerra, Aurore Schmitt, Joël Serralougue, Ana Maria Silva, Václav Smrčka, Luc Vergnaud, João Zilhão, David Caramelli, Thomas Higham, Mark G. Thomas, Douglas J. Kennett, Harry Fokkens, Volker Heyd, Alison Sheridan, Karl-Göran Sjögren, Philipp W. Stockhammer, **Johannes Krause**, Ron Pinhasi, Wolfgang Haak, Ian Barnes, Carles Lalueza-Fox, and David Reich (2018) The Beaker phenomenon and the genomic transformation of northwest Europe. *Nature* 555: 190.
- O'Sullivan, Niall, Cosimo Posth, Valentina Coia, Verena J. Schuenemann, T. Douglas Price, Joachim Wahl, Ron Pinhasi, Albert Zink, **Johannes Krause**, and Frank Maixner (2018) Ancient genome-wide analyses infer kinship structure in an Early Medieval Alemannic graveyard. *Science Advances* 4: eaao1262.
- Mittnik, Alissa, Chuan-Chao Wang, Saskia Pfrengle, Mantas Daubaras, Gunita Zariņa, Fredrik Hallgren, Raili Allmäe, Valery Khartanovich, Vyacheslav Moiseyev, Mari Törv, Anja Furtwängler, Aida Andrades Valtueña, Michal Feldman, Christos Economou, Markku Oinonen, Andrejs Vasks, Elena Balanovska, David Reich, Rimantas Jankauskas, Wolfgang Haak, Stephan Schiffels, and **Johannes Krause** (2018) The genetic prehistory of the Baltic Sea region. *Nature Communications* 9: 442.
- Mathieson, Iain, Songül Alpaslan-Roodenberg, Cosimo Posth, Anna Szécsényi-Nagy, Nadin Rohland, Swapan Mallick, Iñigo Olalde, Nasreen Broomandkoshbacht, Francesca Candilio, Olivia Cheronet, Daniel Fernandes, Matthew Ferry, Beatriz Gamarra, Gloria González Fortes, Wolfgang Haak, Eadaoin Harney, Eppie Jones, Denise Keating, Ben Krause-Kyora, Isil Kucukkalipci, Megan Michel, Alissa Mittnik, Kathrin Nägele, Mario Novak, Jonas Oppenheimer, Nick Patterson, Saskia Pfrengle, Kendra Sirak, Kristin Stewardson, Stefania Vai, Stefan Alexandrov, Kurt W. Alt, Radian Andreescu, Dragana Antonović, Abigail Ash, Nadezhda Atanassova, Krum Bacvarov, Mende Balázs Gusztáv, Hervé Bocherens, Michael Bolus, Adina Boroneanț, Yavor Boyadzhiev, Alicja Budnik, Josip Burmaz, Stefan Chohadzhiev, Nicholas J. Conard, Richard Cottiaux, Maja Čuka, Christophe Cupillard, Dorothée G. Drucker, Nedko Elenski, Michael Francken, Borislava Galabova, Georgi Ganetsovski, Bernard Gély, Tamás Hajdu, Veneta Handzhyiska, Katerina Harvati, Thomas Higham, Stanislav Iliev, Ivor Janković, Ivor Karavanić, Douglas J. Kennett, Darko Komšo, Alexandra Kozak, Damian Labuda, Martina Lari, Catalin Lazar, Maleen Leppek, Krassimir Leshtakov, Domenico Lo Vetto, Dženi Los, Ivaylo Lozanov, Maria Malina, Fabio Martini, Kath McSweeney, Harald Meller, Marko Mendušić, Pavel Mirea, Vyacheslav Moiseyev, Vanya Petrova, T. Douglas Price, Angela Simalcsik, Luca Sineo, Mario Šlaus, Vladimir Slavchev, Petar Stanev, Andrej Starović, Tamás Szeniczey, Sahra Talamo, Maria Teschler-Nicola, Corinne Thevenet, Ivan Valchev, Frédérique Valentin, Sergey Vasilyev, Fanica Veljanovska, Svetlana Venelinova, Elizaveta Veselovskaya, Bence Viola, Cristian Virag, Joško Zaninović, Steve Zäuner, Philipp W. Stockhammer, Giulio Catalano, Raiko Krauß, David

- Caramelli, Gunita Zariņa, Bisserka Gaydarska, Malcolm Lillie, Alexey G. Nikitin, Inna Potekhina, Anastasia Papathanasiou, Dušan Borić, Clive Bonsall, **Johannes Krause**, Ron Pinhasi, and David Reich (2018) The genomic history of southeastern Europe. *Nature* 555: 197.
- Mann, Allison E., Susanna Sabin, Kirsten Ziesemer, Åshild J. Vågane, Hannes Schroeder, Andrew T. Ozga, Krithivasan Sankaranarayanan, Courtney A. Hofman, James A. Fellows Yates, Domingo C. Salazar-García, Bruno Frohlich, Mark Aldenderfer, Menno Hoogland, Christopher Read, George R. Milner, Anne C. Stone, Cecil M. Lewis, **Johannes Krause**, Corinne Hofman, Kirsten I. Bos, and Christina Warinner (2018) Differential preservation of endogenous human and microbial DNA in dental calculus and dentin. *Scientific Reports* 8: 9822.
- Loosdrecht van de, Marieke, Abdeljalil Bouzouggar, Louise Humphrey, Cosimo Posth, Nick Barton, Ayinuer Aximu-Petri, Birgit Nickel, Sarah Nagel, El Hassan Talbi, Mohammed Abdeljalil El Hajraoui, Saaïd Amzazi, Jean-Jacques Hublin, Svante Pääbo, Stephan Schiffels, Matthias Meyer, Wolfgang Haak, Choongwon Jeong, and **Johannes Krause** (2018) Pleistocene North African genomes link Near Eastern and sub-Saharan African human populations. *Science*: eaar8380.
- Lamnidis, Thiseas C., Kerttu Majander, Choongwon Jeong, Elina Salmela, Anna Wessman, Vyacheslav Moiseyev, Valery Khartanovich, Oleg Balanovsky, Matthias Ongyerth, Antje Weihmann, Antti Sajantila, Janet Kelso, Svante Pääbo, Päivi Onkamo, Wolfgang Haak, **Johannes Krause**, and Stephan Schiffels (2018) Ancient Fennoscandian genomes reveal origin and spread of Siberian ancestry in Europe. *Nature Communications* 9: 5018.
- Krause-Kyora, Ben, Julian Susat, Felix M. Key, Denise Kühnert, Esther Bosse, Alexander Immel, Christoph Rinne, Sabin-Christin Kornell, Diego Yepes, Sören Franzenburg, Henrike O. Heyne, Thomas Meier, Sandra Lösch, Harald Meller, Susanne Friederich, Nicole Nicklisch, Kurt W. Alt, Stefan Schreiber, Andreas Tholey, Alexander Herbig, Almut Nebel, and **Johannes Krause** (2018) Neolithic and medieval virus genomes reveal complex evolution of hepatitis B. *eLife* 7: e36666.
- Knauf, Sascha, Jan F. Gogarten, Verena J. Schuenemann, Hélène M. De Nys, Ariane Dux, Michal Strouhal, Lenka Mikalová, Kirsten I. Bos, Roy Armstrong, Emmanuel K. Batamuzi, Idrissa S. Chuma, Bernard Davoust, Georges Diatta, Robert D. Fyumagwa, Reuben R. Kazwala, Julius D. Keyyu, Inyasi A. V. Lejora, Anthony Levasseur, Hsi Liu, Michael A. Mayhew, Oleg Mediannikov, Didier Raoult, Roman M. Wittig, Christian Roos, Fabian H. Leendertz, David Šmajš, Kay Nieselt, **Johannes Krause**, and Sébastien Calvignac-Spencer (2018) Nonhuman primates across sub-Saharan Africa are infected with the yaws bacterium *Treponema pallidum* subsp. *pertenue*. *Emerging Microbes & Infections* 7: 157.
- Jeong, Choongwon, Shevan Wilkin, Tsend Amgalantugs, Abigail S. Bouwman, William Timothy Treal Taylor, Richard W. Hagan, Sabri Bromage, Soninkhishig Tsolmon, Christian Trachsel, Jonas Grossmann, Judith Littleton, Cheryl A. Makarewicz, John Krigbaum, Marta Burri, Ashley Scott, Ganmaa Davaasambuu, Joshua Wright, Franziska Irmer, Erdene Myagmar, Nicole Boivin, Martine Robbeets, Frank J. Rühli, **Johannes Krause**, Bruno Frohlich, Jessica Hendy, and Christina Warinner (2018) Bronze Age population dynamics and the rise of dairy pastoralism on the eastern Eurasian steppe. *Proceedings of the National Academy of Sciences* 115: E11248-E11255.
- Hajdinjak, Mateja, Qiaomei Fu, Alexander Hübner, Martin Petr, Fabrizio Mafessoni, Steffi Grote, Pontus Skoglund, Vagheesh Narasimham, Hélène Rougier, Isabelle Crevecoeur, Patrick Semal, Marie Soressi, Saha Talamo, Jean-Jacques Hublin, Ivan Gušić, Željko Kučan, Pavao Rudan, Liubov V. Golovanova, Vladimir B. Doronichev, Cosimo Posth, **Johannes Krause**, Petra Korlević, Sarah Nagel, Birgit Nickel, Montgomery Slatkin, Nick Patterson, David Reich, Kay Prüfer, Matthias Meyer, Svante Pääbo, and Janet Kelso (2018) Reconstructing the genetic history of late Neanderthals. *Nature* 8: 2115.
- Gaunitz, Charleen, Antoine Fages, Kristian Hanghøj, Anders Albrechtsen, Naveed Khan, Mikkel Schubert, Andaine Seguin-Orlando, Ivy J. Owens, Sabine Felkel, Olivier Bignon-Lau, Peter de Barros Damgaard, Alissa Mittnik, Azadeh F. Mohaseb, Hossein Davoudi, Saleh Alquraishi, Ahmed H. Alfarhan, Khaled A. S. Al-Rasheid, Eric Crubézy, Norbert Benecke, Sandra Olsen, Dorcas Brown, David Anthony, Ken Massy, Vladimir Pitulko, Aleksei Kasparov, Gottfried Brem, Michael Hofreiter, Gulmira Mukhtarova, Nurbol Baimukhanov, Lembi Lõugas, Vedat Onar, Philipp W. Stockhammer, **Johannes Krause**, Bazartseren Boldgiv, Sainbileg Undrakhbold, Diimaajav Erdenebaatar, Sébastien Lepetz, Marjan

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