

Dr Frank T. Krell
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- Education** 1996: Dr. rer. nat. (PhD), functional anatomy of chafers, "magna cum laude", University of Tübingen, Germany.
1992: Dipl.Biol. (MSc) ("sehr gut" [best mark]), University of Tübingen, Germany.
- Languages** English (fluent), German (mother tongue), French (functional), Latin.
- Nationality** American, German (Country of Residence: USA).
- Marital status:** married, three daughters.

Career

- June 2016–present: **Senior Curator of Entomology, Department of Zoology, Denver Museum of Nature & Science.** Since 2008: Editor-in-Chief of the Denver Museum of Nature & Science Annals. Since 2014: Editor of the Denver Museum of Nature & Science Reports.
- January 2007–June 2016: Curator of Entomology, Department of Zoology, Denver Museum of Nature & Science.
- May 2000–January 2007: Research Entomologist, Department of Entomology, The Natural History Museum, London (promoted July 2003); from April 2005: Division Head, Coleoptera.
- 1999–May 2004: Scientific Associate, Zoological Research Institute and Museum Alexander Koenig, Bonn, Germany.
- 1998–1999: Guest Scientist, Graduate Research Programme *Evolutionary Transformations and Mass Extinctions* at the Museum für Naturkunde, Humboldt University, Berlin, Germany.
- 1995–1998: Principal Researcher (postdoc) and Group Leader, Department of Animal Ecology and Tropical Biology, University of Würzburg, Germany, in the research project *Scarab beetles of a West African savanna: mechanisms of maintaining diversity in a species rich family group of copro-, necro-, and phytophagous beetles.*
- 1993–1994: Graduate Assistant, Department of Systematic Zoology and Institute of Geology and Palaeontology, University of Tübingen, Germany.

Other Positions

2023–present: Editorial Board member, *Fossil Studies*, MDPI, Basel, Switzerland

2021–present: Editorial Board member, *Diversity*, MDPI, Basel, Switzerland.

2019–present: Research Associate, Butterfly Pavilion, Westminster, Colorado.

2017–present: Editorial Board member (Editorial Advisor), *BMC Zoology*, BioMed Central, UK.

2016–August 2024: Councillor, International Commission on Zoological Nomenclature, Singapore. 2016–present: Editorial Advisory Board member, *Israel Journal of Entomology*, Israel.

2014–present: Associate Professor Adjoint, Department of Integrative Biology, University of Colorado, Denver.

2014–present: Editorial Board member, *Science Editing*, Seoul, Korea.

2014–present: Scientific Advisor, International Institute for Species Exploration, College of Environmental Science and Forestry, Syracuse, NY.

2008–present: Member of the Editorial Board, *VERNATE*, Erfurt, Germany.

2007–present: Affiliate Faculty, Department of Bioagricultural Sciences and Pest Management, Colorado State University, Fort Collins, CO.

2006–2024: Commissioner, International Commission on Zoological Nomenclature; from Aug. 2008: Chair of the ZooBank Committee.

Past positions:

2015–2017: Subject Editor Scarabaeidae Taxonomy and Systematics, *ZooKeys*, Sofia and Moscow.

2013–2015: Member of the International Advisory Board, *European Science Editing* of the European Society of Science Editors, UK.

2012–2017: Section Editor for Systematics and Phylogenetics, *Entomologia*, published by Page Press, Italy, for the Società Entomologica Italiana and the Accademia Nazionale Italiana di Entomologia.

2008–2012: Member of the Editorial Advisory Board, *African Invertebrates*, Pietermaritzburg, South Africa.

2008–2016: Member of the Scientific Advisory Board, Butterfly Pavilion, Westminster, CO.

2007–2013: Adjunct Faculty member, International Institute for Species Exploration, College of Liberal Arts & Sciences, Arizona State University, Tempe, AZ.

2005–2011: Member of the Steering Group of ScarabNet, an NSF Research Coordination Network; from Nov. 2006: Speaker of the Taxonomy Working Group of ScarabNet.

2007–2008: Elected Committee Member of the European Association for Zoological Nomenclature.

2003–2008: Editor, *Systematic Entomology* (Royal Entomological Society/Wiley-Blackwell) (with co-editor Peter Cranston, then UC Davis), member of the RES Publications Committee.

March 2001–May 2004: Project leader in the Research Network „Biodiversity and Global Change“ of the German Federal Ministry of Education and Research, project BIOTA E09 „The influence of land use modes on diversity, abundance and guild structure of coprophagous beetles in the African forest-savanna mosaic“ (in cooperation with Zoological Research Institute and Museum Alexander Koenig, Bonn, Germany, National Museums of Kenya, Nairobi, International Centre of Insect Physiology and Ecology, Nairobi, Kenya, Centre Suisse de Recherches Scientifiques en Côte d’Ivoire, and Université Abobo-Adjamé, Côte d’Ivoire).

March 2001–May 2004: Research Associate, Centre Suisse de Recherches Scientifiques en Côte d’Ivoire, Adiopodoumé, Ivory Coast.

May 2001–March 2004: Visiting Scientist, International Centre of Insect Physiology and Ecology, Nairobi, Kenya.

Other achievements:

- Nominated for President of the International Commission on Zoological Nomenclature, Jan 2016, Dec. 2021.
- Shortlisted and invited for an interview and talk for the position of the Director of the Zoological Research Institute and Museum Alexander Koenig, Bonn, and Full Professor and Head of the Department of Systematic Zoology of the Bonn University, Jan. 2003.
- From May 2003: Fellow of the Royal Entomological Society.
- May 2009: Mentor of the Year, Community Resources Inc., Denver.

Research Statement

I am an expert in taxonomy, systematics, ecology, and paleontology of scarab beetles (Coleoptera: Scarabaeoidea). My research interests focus on exploring and explaining the high diversity in this insect group, on determining the ecological roles of its various guilds, as well as on identifying and explaining the effects of anthropogenic disturbances and changes, particularly on dung beetle communities. Ecological studies on a solid taxonomic foundation and collection-based research are key components on my work.

Grants [external] and Donations obtained

(total: \$1,429,609)

(major grants/donations in bold)

- **Donation for Keyence VHX-7000 Photo-Microscope [2022]: \$ 101,322** from private donor.
- **NSF ADBC Grant "Collaborative Research: Digitization TCN: Lepidoptera of North America Network: Documenting Diversity in the Largest Clade of Herbivores" [2016– 2020]: \$45,681** for support for a curatorial assistant for 37 weeks.
- Donation of **\$2,500** from the Cirila Fund, Lake Forest, CA, for the Entomology Program [2013].
- **NSF CSBR Grant "CSBR: Natural History Collections: Uncrowding, Rehousing, and Digitization of the Insect Collection at the Denver Museum of Nature & Science" [2012–2016]: \$366,594** for new cabinetry for 100% of the entomology collection plus growth, and a curatorial assistant for three years (recuration/databasing).
- **NSF ADBC Grant "Digitization TCN: Collaborative Research: Southwest Collections of Arthropods Network (SCAN): A Model for Collections Digitization to Promote Taxonomic and Ecological Research" [2012–2016]: \$118,917** for a photographic station and a curatorial assistant/photographer for two years (databasing/digitization).
- Donation in honor of the late volunteer Beverly Winters of **\$780** for the Entomology Program [2012].
- Small Research Grant from Prairie Biotic Research, Inc. [2010]: **\$975** for the project "The dung beetle fauna associated with re-introduced bison in the Colorado prairie".
- Royal Society Grant [2006]: **\$6,570** to invite Dr. Andrey Frolov, St. Petersburg, to the NHM for one month to work on the project Revision of Orphnidae.
- Conference Grant from Royal Society [2006]: **\$2,740** to join the Annual ScarabNet Workshop in Santa Cruz, Bolivia.
- **Darwin Fellowship Grant from DEFRA [2006–2007]: \$35,460** for and open-access web- based catalogue of beetles of Mauritius (Fellow: Saoud Motala, Mauritius Wildlife Foundation).
- Donation from the Friends of The Natural History Museum [2006]: **\$870** for expedition to Buru, Indonesia.
- Travel grant from the Royal Entomological Society London [2005]: **\$2,000** for joining the Annual Conference of the Entomological Society of America in Fort Lauderdale, Florida.
- Travel grant from Scarab Net (NSF) [2005]: **\$1,700** to join the Annual ScarabNet Workshop in Archbold, Florida.
- Royal Society Grant [2005]: **\$9,000** to invite Dr. Alexander Kirejtshuk, St. Petersburg, to the NHM for three months to work on the project *World-wide revision of Nitidulidae (Coleoptera) at generic/subgeneric level.*

- British Airways Free Flight from the BA Conservation Programme for my NHM MSc student Saoud Motala to Mauritius [2004]: project *Not as dead as a Dodo - did the Dodo's dung beetle survive?*, worth **\$1,550**.
- Funding from BIOTA West, German Federal Ministry of Education and Research [2003]: **\$2,440** for another 6-months employment of two MSc. students in Ivory Coast.
- Royal Society Grant [2003]: **\$7,080** to invite Dr. Alexander Kirejtshuk, St. Petersburg, to the NHM for two months to work on Nitidulidae of the collection.
- Invitation [2003]: **\$270** from Bonn University to give a talk on *The role of natural history museums in modern biological research* at the Zoological Colloquium, Bonn University.
- **Grant from the German Federal Ministry of Education and Research [2001–2004]:**
\$435,000 for the project *The Influence of Land Use Modes on Diversity, Abundance and Guild Structure of Coprophagous Beetles in the African Forest-Savanna Mosaic* (together with C. Naumann, Bonn); part of the programme „Biodiversity and Global Change“ (BIOLOG). This project was enhanced by an approved proposal to the Commission du Centre Suisse de Recherches Scientifiques (Swiss Academy of Sciences) to use the infrastructure of the Centre, and by a successful appointment as visiting scientist with the International Centre of Insect Physiology and Ecology, Nairobi, Kenya.
- Grant from EU programme PARSYST [2000]: *Changement de biodiversité des coléoptères scarabéides coprophages du savane Ouest-Africaine*. **\$1,150** to visit the Muséum national d'Histoire naturelle Paris (joint project with Y. Cambefort, Paris).
- Grant from the German Foreign Ministry through German Research Council [1999]: *Fossil Record and Evolution of Scarab and Stag Beetles (Coleoptera: Scarabaeoidea)*. **\$2,150** to present a talk at the John Lawrence Celebration Symposium in Canberra, Australia, and for a research trip in the Australian outback (November 1999 – January 2000).
- Invitation [1999] by the Swedish Environmental Protection Agency: *Taxonomy of European Osmoderma (Coleoptera: Scarabaeidae)*. **\$785** for presenting a talk at the symposium „Saproxylic Insects in Hollow Trees“ in Linköping, Sweden (August 1999).
- Invitation by the Graduate Research Programme „Evolutionary transformations and Mass Extinctions“ of the Humboldt University, Berlin [1998]: *South African Dung Beetles*. **\$1,200** for a visit to Berlin, November 1998.
- **Grant from the German Research Council [1995–1998]: \$260,000** for the project *Scarab beetles of a West African savanna: mechanisms of maintaining diversity in a large family group of copro-, necro-, and phytophagous beetles* (with K.E. Linsenmair, Würzburg).
- Additional funding by Novartis for an invited lecture at the Annual Meeting of the Swiss Entomological Society in Zürich. **\$300**, March 1997.
- Sponsoring by Carl Zeiss Jena AG, Germany [1996]: **\$175** as support for publishing my thesis in the journal "Stuttgarter Beiträge zur Naturkunde".
- Invitation the Research Programme "Natürliche Konstruktionen" of the German Research Council [1994]: **\$2,600** for *Morphological Studies on scarab beetles*.

- **PhD stipend from the support program for graduate students of the State of Baden-Württemberg [1992–1994]: \$19,500** for the project *The copulatory organs of the cockchafer M. melolontha - a contribution to the comparative and functional anatomy of the ectodermal genitalia of the Coleoptera*; for my PhD project.
- Grant from Professor-Friedrich-Kiefer-Fonds, Freiburg im Breisgau [1990]: **\$300** for the study *Lamellicornia of southwestern Germany*.

Submitted graduate theses under my supervision

- Borrow, C.A.** 2011. *The diversity of sequence alignment and tree space at high parameter density*. PhD Thesis, Imperial College, London, UK.
- Bai, Ming.** 2008. *Origin and evolution of scarab beetles: based on fossil, morphological and molecular data (Coleoptera: Scarabaeoidea)*. PhD Thesis, Institute of Zoology, Chinese Academy of Sciences, Beijing, PR China.
- Newman, D.H.** 2005. *Anthropogenic effects on the structure of dung beetle assemblages in cattle dung in Ivory Coast*. PhD Thesis, University of Reading, UK.
- Mahiva, V.S.** 2004. *The impact of human land use activities and seasonal changes on the dung beetle diversity of Kakamega Forest ecosystem*. MSc Thesis, University of Nairobi, Kenya.
- Motala, S.** 2004. *Evolution and conservation of the Dodo's dung beetles*. MSc Thesis, Imperial College, London, UK.
- Kouakou, Y.C.** 2003. *Influence des perturbations anthropiques sur les coléoptères coprophages: cas du pâturage et de l'urbanisation respectivement en régions de savane (Toumodi) et de forêt (Abidjan) de la Côte d'Ivoire*. Thèse DEA (MSc), Université d'Abobo-Adjamé, Côte d'Ivoire.
- N'goran, K.P.** 2003. *Influence des exploitations agricoles sur les communautés de coléoptères coprophages en zone forestières : cas de'une zone tropicale humide (Abidjan) et d'une zone de transition (Bringakro) en Côte d'Ivoire*. Thèse DEA (MSc), Université d'Abobo-Adjamé, Côte d'Ivoire.
- Krell-Westerwalbesloh, S.** 2001. *Tageszeitliche, saisonale und räumliche Sonderung der koprophagen Gilden bei der Besiedelung von Büffeldung im Comoé-Nationalpark, Elfenbeinküste - Diversitätserhaltene Mechanismen?* – Diplomarbeit (MSc) Universität Würzburg, Germany.
- Schmitt, T.** 2000. *Chemische Ökologie und Einnischung bei westafrikanischen Scarabaeiden*. Diplomarbeit (MSc) Universität Würzburg, Germany.
- Boutros, M.** 1998. *Räumliche und zeitliche Verteilung nekrophager Blatthornkäfer in der Guinea-Savanna der Côte d'Ivoire (Coleoptera: Scarabaeoidea)*. Staatsexamensarbeit (MSc) Universität Würzburg, Germany.

External examination of graduate theses

2021: **Nthabiseng Gladys Mathikge**: Understanding the role of specialized mouthparts in the selective feeding of dung beetles (Coleoptera: Scarabaeinae). MSc Thesis, University of the Witwatersrand, Johannesburg, South Africa.

2018: **Gimo Mazembe Daniel**: Systematics and biogeography of Sisyphini (Scarabaeidae: Scarabaeinae) of southern Africa. PhD Thesis, University of Pretoria, South Africa.

2017: **Christian Deschodt**: Using four different methods to reach a taxonomic conclusion in dung beetles (Scarabaeinae). MSc Thesis, University, Rhodes University, Grahamstown, South Africa.

2015: **Werner P. Strümpher**: Phylogenetics of the keratin-feeding beetle family Trogidae (Coleoptera: Scarabaeidae). PhD Thesis, Rhodes University, Grahamstown, South Africa.

2000: **Olivier Montreuil**: Systématique phylogénétique et biogéographie du genre *Amphimallon* Berthold, 1827 (Coleoptera: Melolonthidae) : hypothèses évolutives. PhD Thesis, Muséum National d'Histoire Naturelle, Paris, France.

Educational activities

(submitted theses above)

- from 2008, occasionally: Adult education class "Introduction to Entomology", Denver Museum of Nature & Science.
- from 2007: extensive informal education activities through youth and teacher training talks, behind the scenes tours, presentations at open days, etc., Denver Museum of Nature & Science.
- 2005–2009: PhD student with Alfried Vogler, Imperial College, London, UK.
- 2006–2008: Supervising PhD student with Xingke Yang, Institute of Zoology, Chinese Academy of Sciences, Beijing.
- 2001–2005: Supervising 2 PhD students, jointly with University of Reading, UK (Prof. Val Brown, Dr Simon Potts) and University of Bonn, Germany (Prof. Clas Naumann).
- 2003–2004: Supervising 1 MSc student in the NHM/Imperial College Masters Course *Advanced Methods in Taxonomy and Biodiversity*, London, UK.
- 2002–2004: Supervising 2 diploma students (DEA; equivalent to MSc.), jointly with the University Abobo-Adjamé, Ivory Coast (Dr M. Doumbia).

- 2002–2003: Supervising 1 MSc student, jointly with the University of Nairobi, Kenya (Prof C. Khamala), and the International Centre of Insect Physiology and Ecology, Nairobi (Dr Ian Gordon).
- 2002–2006: Lecturer for MSc course *Advanced Methods in Taxonomy and Biodiversity*, Imperial College London and The Natural History Museum, London, UK.
- 1996–1998: Supervising 1 state examination ('Staatsexamen') and 2 diploma students (MSc), University of Würzburg, Germany (with Prof K.E. Linsenmair).
- 1995–1997: Held 3 six-week research courses in tropical ecology in the Ivory Coast run by the Department of Animal Ecology and Tropical Biology of Würzburg University; supervised 8 student research projects.

Meetings and Presentations

Meetings organized

- **30th Annual Meeting, High Country Lepidopterists.** Denver Museum of Nature & Science, Oct. 11–12, 2019.
- **25th Annual Meeting, High Country Lepidopterists.** Denver Museum of Nature & Science, Nov. 7–8, 2014.
- **International Lepidopterists' Conference: Joint Meeting of the Lepidopterists' Society and the Societas Europaea Lepidopterologica.** Denver Museum of Nature & Science, July 23–29, 2012.
- **20th Annual Meeting, High Country Lepidopterists.** Denver Museum of Nature & Science, Oct. 23–24, 2009.

Symposia organized

- Symposium "**Where are the Six Legs of Entomology Publishing Taking Us**" at the *International Congress of Entomology* in Orlando, Florida, Sept. 2016, with Michael Thijssen, Brill, and Lyobo Penev, Pensoft.
- Late-breaking Symposium at the *Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida*, Dec. 18, 2005: "**Revolutionising taxonomy through an open-access web-register for animal names and descriptions**"; speakers: Norman Johnson (Ohio State, Columbus), Per de Place Bjørn (GBIF, Copenhagen, Denmark), Andrew Polaszek (ICZN, London, UK), Richard Pyle (Honolulu), Nigel Robinson (Thomson Zoological, York, UK), James Woolley (Texas A&M).

Selected invited lectures

- Invited talk at *11th International Biennial Conference of the Systematics Association, University of Reading, UK, 19th–21st June 2024*: "The old, the new, and lots of people: how taxonomy will thrive".
- *Invited talk at Arbeitsgemeinschaft Westfälischer Entomologen, Naturkundemuseum Bielefeld, Germany, 3 May 2019*: "Ein Land der Immigranten - Europäische und Asiatische

Neozoen in der nordamerikanischen Scarabaeidenfauna".

- *Invited lecture at Lagerstätten. Exceptional Preservation. Extraordinary Fossils. Western Interior Paleontological Society 11th Founders Symposium*, March 23–24, 2019, Lowry Conference Center, Aurora, Colorado: "High quality insect preservation—fossils in amber (Baltic, Lebanon, Myanmar) and from the Messel Formation (Eocene, Germany), with emphasis on scarab beetles".
- *Invited plenary lecture at 68th Western Forest Insect Work Conference*, 27–29 March 2018, Denver, CO, "Scarab beetles in Colorado ecosystems (Coleoptera: Scarabaeoidea)".
- *Invited talk at the 1st London Symposium on Scarabaeoidea, Natural History Museum*, 31 July–1 August 2014, London, UK, "Making the cryptic visible - resolving the species complex of *Aphodius fimetarius* (Linnaeus) and *Aphodius pedellus* (de Geer) (Coleoptera: Aphodiidae) by three complementary methods".
- *Invited talk at the First Snowmastodon Science Team Meeting, Denver Museum of Nature & Science*, June 26–28, 2012, "The Dung Beetles of Snowmastodon".
- *Invited talk at the SOLA Symposium, Annual Meeting of the Entomological Society of America*, December 2010, San Diego, CA, "The Colorado Scarab Survey".
- *Invited talk, Special Libraries Association/Elsevier research event*, Oct. 27, 2010, Library of Congress, Washington, D.C., "Should editors influence journal impact factors?"
- *Invited plenary lecture, XVI International Symposium on Plecoptera, XII International Conference on Ephemeroptera*, Staatliches Museum für Naturkunde June 8-14, 2008 Stuttgart, Germany, "ZooBank and the next edition of the Code - new developments in zoological nomenclature".
- *Seminar at Metro State College, Denver, CO*, March 13, 2008: "Living in Dung".
- *Zoological Seminar at the Department of Bioagriculture and Pest Control, Colorado State University, Fort Collins*, October 17, 2007, "Living in Dung".
- *Zoological Colloquium of the Bonn University, Germany*, January 30, 2003, "The role of natural history museums in modern biological research".
- *Workshop of the East African part of the Biodiversity Transect Analysis Project of the German Programme on Biodiversity and Global Change*, National Museums of Kenya, Nairobi, Kenya, April 11, 2002. Invited lecture: „The influence of human land use modes on diversity, abundance and guild structure of coprophagous beetles in the African forest-savanna mosaic".
- *Conference of the German Programme on Biodiversity and Global Change*, December 5-7, 2001, Bonn, Germany. Invited lecture „BIOTA Intracontinental – from East to West".
- *3rd Biennial Conference of the Systematics Association*, Imperial College London, UK, September 3–7, 2001. Invited joint talk with Peter Hammond „Soil and Beetles".
- *John Lawrence Celebration Symposium*, Canberra, Australia, December 2, 1999. Invited lecture „Fossil Record and Evolution of Scarab and Stag Beetles".
- *Symposium „Saproxylic Insects in Hollow Trees"*, August 3–5, 1999, Linköping, Sweden. Invited lecture „Taxonomy of European *Osmoderma* (Coleoptera: Scarabaeidae)".
- *Symposium of the German Research Association „Mechanisms of Maintenance of Tropical Biodiversity"*, Würzburg, Germany, February 18–19, 1998. Invited lecture "Scarab beetles of a West African savanna: Diversity in faeces and carcasses".

- *Annual Meeting of the Swiss Entomological Society*, March 14–15, 1997, Zürich, Switzerland. Invited lecture: "+Untersuchungen zur Diversität der Blatthornkäfer (Coleoptera: Lamellicornia) im Parc National de la Comoé, Côte d'Ivoire" (On the diversity of scarab beetles in the Comoé National Park, Ivory Coast).

Submitted Presentations (incomplete)

- Talk "The Denver Museum of Nature & Science as part of LepNet: distribution patterns of select Lepidoptera Families in the Colorado Region" (with Eric Knutson). 29th Annual Meeting of the High Country Lepidopterists, Nov. 17, 2018, Westminster, Colorado.
- Talk "Scarab research in Colorado (Coleoptera: Scarabaeoidea)." Annual Meeting of the Entomological Society of America, Nov. 5–8, 2017, Denver, Colorado.
- Talk "Necrocenoses in the West African savanna: scarabs rule." *XXV. International Congress of Entomology*, September 25–30, 2016, Orlando, Florida.
- Talk "The new collections facility of the Denver Museum of Nature & Science." *Entomological Collections Network, Annual Meeting*, 23–24 September 2016, Orlando, Florida.
- Talk "Electronic Publishing of New Names", *Annual Meeting of the Entomological Collections Network*, Nov. 10, 2013, Austin, Texas.
- Talk "Integrative Taxonomy and Ecology of the Cryptic Species Complex of *Aphodius fimetarius* (L.) and *A. pedellus* (de Geer)", *Annual Meeting of the Entomological Society of America*, Nov. 10, 2013, Austin, Texas.
- Talk and Discussion "Electronic Publication, ZooBank, and the New Edition of the Code" (with Dough Yanega); Special Session at the *Combined Annual Meeting of the Lepidopterists' Society and the Societas Europaea Lepidopterologica*, July 27, 2012, Denver Museum of Nature & Science.
- Talk "The Colorado Scarab Survey – how lepidopterists can help", *20th Annual Meeting, High Country Lepidopterists*, 23–24 Oct. 2009, Denver Museum of Nature & Science.
- Talk "Gems, replicas, and dung balls: New scarab fossils from Africa, Asia, and Europe", *56th Annual Meeting of the Entomological Society of America*, November 16–19, 2008, Reno, Nevada.
- Talk "Electronic publication, ZooBank, and preparations for the new ICZN Code". *Annual Meeting, Entomological Collections Network*, November 15–16, 2008, Reno, Nevada.
- Talk "The Insect Collection of the Denver Museum of Nature & Science", *18th High Country Lepidopterists' Meeting*, Nov. 3, 2007, CSU Fort Collins, Colorado.
- Talks "Weird scarabs from Cretaceous Lebanese and Myanmar amber" and "The attractive odors of dung", *Third, Highly Irregular, International Scarab Workshop*, May 3–4, 2006, Fresno, California.
- Talk "ZooBank - the ICZN's open-access web-based register of all new animal names and original descriptions", *Annual Meeting, Entomological Collections Network*, Dec. 15, 2005, Fort Lauderdale, Florida.

- Talk "The Scarab Research Group at The Natural History Museum", *2nd Scarab Net Workshop*, Nov. 2-4, 2005, Archbold Research Center, Florida.
- Talks "Evaluation of efficiency and taxonomic bias of the Winkler method for soil macro-invertebrate extraction", "Parataxonomy versus taxonomy in biodiversity studies – pitfalls and applicability of 'morphospecies' sorting", "The influence of human land use on a diverse insect community – dung beetles in a relic tropical rain forest and surrounding farmland in Kenya" and Posters "A complete beetle fauna on the web: Mauritius as a model case", "Rainfall events determine the abundance of carrion feeding beetles in a West African savanna", *XXII International Congress of Entomology*, August 15–21, 2004, Brisbane, Australia.
- Talk "The influence of human land use on a diverse insect community – dung beetles in a relic tropical rainforest and surrounding farmland" with my students V. Mahiva and S. Krell-Westerwalbesloh, *5th International Symposium on Tropical Biology, African Biodiversity, Molecules, Organisms, Ecosystems*, Museum Koenig, May 2–3, 2004, Bonn, Germany.
- Talk "Long-term and global studies on diversity and functional ecology of the soil macrofauna in forests, with focus on beetles" (with Paul Eggleton, NHM) and Poster "The Influence of Fire on the Community Structure of Savanna Dung Beetles in the Ivory Coast" with my students D. Newman, P. N'goran and C. Kouakou, *7th National Meeting of the Royal Entomological Society*, July 28–31, Reading, UK.
- Coauthor of talk "Predicting secondary seed dispersal from baboon feces by dung beetles: a matter of seed size, time and habitat" with PhD student Britta Kunz (University of Würzburg, Germany), *Biotic Interactions in The Tropics: A Special Symposium of the British Ecological Society and The Annual Meeting of the Association for Tropical Biology and Conservation*, July 7–10, 2003, Aberdeen, UK.
- Talk „Dung beetle research in tropical Africa – a project of the BIOLOG Programme (Biodiversity and Global Change)“ and two posters („The influence of human land use modes on diversity, abundance and guild structure of coprophagous beetles in the African forest-savanna mosaic“ and „The influence of fire on the community structure of savanna dung beetles in the Ivory Coast“ with Dorothy Newman, NHM, and Sylvia Krell-Westerwalbesloh, NHM), *6th National Meeting of the Royal Entomological Society*, Cardiff, September 12–13, 2002, Cardiff, UK.
- Talk „Unexploited resources despite extreme competition: Coprocenoses in African forest-savanna mosaics“, *15th Annual Meeting of the Society for Tropical Ecology*, February 20–23, 2002, Göttingen, Germany.
- Talks „Influence of weather and interannual variation of seasonality on biodiversity assessments“ and „Dung beetles as indicator assemblages“, *International Workshop on Methodology of the BIOTA Initiative*, December 8–9, 2001, Geographical Institute, University of Bonn, Germany.

- Poster „Secondary seed dispersal from baboon faeces by dung beetles: Differences between savanna and gallery forest“ (presented by coauthor B. Kunz, University of Würzburg), *3rd International Symposium-Workshop on Frugivores and Seed Dispersal, Biodiversity and Conservational Perspectives*, August 6–11, 2000, São Pedro, Brazil.
- Poster „Secondary seed dispersal from faeces of baboon by coprophagous beetles: savanna versus gallery forest“, *13th Annual Conference of the Society of Tropical Ecology*, March 1–3, 2000, Würzburg, Germany.
- Talk „Spatial separation of coprophagous guilds of fresh buffalo dung in West Africa“, *International Entomological Conference Basel*, March 14-19, 1999, Basel, Switzerland.
- Pre-1999 presentations can be found in the abstracts section of my list of publications.

Selected Public Talks (from 2006)

- Talk „*Theodore Cockerell, a world-renowned naturalist with Westcliffe roots,*“ hosted by the Historic Pines Ranch Preservation Society, Westcliffe, Colorado, 19 Aug. 2018 and 30 May 2019.
- *Talk in Speaker Series "Wildlife of the Rockies", Osher Lifelong Learning Institute at University of Denver*, May 14, 2014, "Bison, Beetles, and Immigrants".
- *Talk at the Annual Meeting of the Rocky Mountain Buffalo Association*, April 12, 2014, Aurora, Colorado, "Bison Beetles".
- *Public talk, DMNS Lunchtime Lecture*, Nov. 14, 2012, "Booming Bark Beetles".
- *Public talk at the Café Scientifique, Denver*, Sept. 26, 2011, "Little Gourmands: Why We Can't Live Without Dung Beetles".
- *Plains Conservation Center Trailblazer Talk, Denver*, June 23, 2011, "The Poop on Dung Beetles".
- *Public talk at the Museum of Contemporary Art Denver in the series "Mixed Taste"*, August 6, 2010, Denver, "Dung Beetles".
- *Public talks, Chico Days at Chico Basin Ranch*, May 8, 2010, Fort Collins, "Dung Beetles and their Role in Agriculture".
- *Denver Bee Talk*, March 15, 2010, "Bee-tles".
- *Public talk, DMNS Lunchtime Lecture*, Oct. 21, 2009, "Bison..., Bison Dung..., Bison Dung Beetles".
- *Earth Day Talk, Denver Museum of Nature & Science*, April 22, 2009, "Dung Cycles".
- *Public talk, DMNS Lunchtime Lecture*, Nov. 19, 2008, "Gems, Replicas, and Dung Beetles: New Beetle Fossils Discovered Around the World".
- *Public talk at the Plains Conservation Center, Aurora, Colorado*, Sept. 8, 2007, "Dung Beetles".
- *DMNS Simply Science Teacher Institute talk*, June 26, 2007, "Dung Beetles and Stinkbugs – Cool Insects in the Backyard".
- *DMNS Lunchtime Lecture*, April 4, 2007, "Bone-eaters, egg-buriers, pollinators, pests and predators - how scarab beetles rule the world".
- *Public talk at Denver Museum of Nature and Science, Colorado*, May 22, 2006, "Scarabs – sacred beetles as old as the dinosaurs".

Media and Public Understanding of Science

The following popular journals and newspapers referred to my work:

- Blick, Würzburg, Germany, 1/97: 90–91.
- Abenteuer Natur 4/97, Germany: 115.
- GEO, Hamburg, 10/1998, Germany: 40-58.
- GEOlino (Hamburg, children's magazine) 1999, Germany.
- The Guardian, UK, 9 December 2002, G2, p. 9.
- Der Spiegel, Hamburg, Germany, 4/2003, p. 116.
- The Guardian, UK, 9 October 2003, p. 5.
- Bietigheimer Zeitung, Germany, 18 August 2021, p. 9.
- 58 articles in multiple news outlets around the globe reporting on my description of the fossil frog-legged leaf beetle *Pulchritudo attenboroughi* with a reach of 353.7 million people (as of 16 Aug. 2021)

Television Programs

"Don't let the Bed Bugs Bite" Science Bite (DMNS video) on the bed bug problem.

"Blue Fungus. Red Forest" Science Bite (DMNS video) on the bark beetle outbreak in Colorado.

Both airing repeatedly on Rocky Mountain PBS since 2011.

Webcasts

"The Love Bugs", DMNS video on the documentary The Love Bugs:

https://www.youtube.com/watch?v=Utv2qy_Vxto (03 February 2021)

"Meet a Beautiful Beetle That Loves to Eat Poop", National Geographic video on the Rainbow Scarab:

<https://video.nationalgeographic.com/video/news/170609-rainbow-scarab-dung-beetles-vin> (9 June 2017)

"Don't let the Bed Bugs Bite" Science Bite (DMNS video) on the bed bug problem:

<http://www.dmns.org/science/science-bites/dont-let-the-bed-bugs-bite> (13 April 2011)

"Blue Fungus. Red Forest" Science Bite (DMNS video) on the bark beetle outbreak in Colorado:

<http://www.dmns.org/science/science-bites/blue-fungus-red-forests> (29 July 2010)

"Science in Action: Frank Krell" (DMNS video)

<http://vimeo.com/11558670> (May 2010)

Fieldwork experience abroad

(38 months)

- Bolivia, 1 week, 2006.
- Ivory Coast, 20 months, 1995–2004.
- Liberia, Ivory Coast, Ghana, Togo, Benin, Nigeria, Cameroon, 6 months, 1988.
- Kenya, 2 months, 2001–2003.
- Australia, 2 months, 1999–2000, 2004.
- Borneo (Sabah), 5 weeks, 2000.
- Yugoslavia, Greece, 6 weeks, 1986.
- South Africa/Swaziland, 1 month, 1996.
- Southern France, 3 weeks, 1989/1994.
- Egypt, 2 weeks, 1980/1981.
- Malaysia, 2 weeks, 1981/1982.
- Togo, 2 weeks, 1983.
- Madeira, 2 weeks, 1984.
- Malta, 2 weeks, 1985.
- Israel, 2 weeks, 1986.
- Sweden, 2 weeks, 1999.

Refereeing activities

2022: Referee for the awards program of the Coleopterists Society, U.S.A.

from 2009: Referee for the National Science Foundation, U.S.A.

from 2005: Referee for National Environmental Research Council, U.K.

from 2005: Referee for National Geographic Global Exploration Program. U.S.A.

from 2003: Referee for the National Research Foundation of South Africa.

Referee for Marie Curie Fellowship Program; Humboldt Foundation;

SYNTHESIS; IUCN.

Referee for the following journals:

Accountability in Research

Acta Societatis Zoologicae Bohemiae

African Entomology

African Invertebrates

African Journal of Ecology

Agriculture, Ecosystems & Environment

Ameghiniana

Animal Behaviour

Animal Biodiversity and Conservation

Annales de la Société Entomologique de France

Annales Zoologici

Annals of the Transvaal Museum

Australian Entomologist
Beiträge zur Entomologie
Biological Conservation
Biological Journal of the Linnean Society
Biotropica
Boletín Sociedad Aragonesa de Entomología
Bulletin de la Société Entomologique de France
Bulletin of Entomological Research
Bulletin of Zoological Nomenclature
Canadian Entomologist
Canadian Journal of Zoology
Chemoecology
Coleopterists Bulletin
Conservation Biology
Cretaceous Research
Current Biology
Deutsche Entomologische Zeitschrift
Diversity
Diversity and Distribution
Ecography
Ecología Austral
Ecological Entomology
Ecological Indicators
Ecoscience
Ecotropica
Ethnobotany Research and Applications
European Journal of Entomology
European Journal of Taxonomy
European Science Editing
Historical Biology
Insecta Mundi
Insect Conservation and Diversity
Insects
Insect Science
Insect Systematics and Evolution
International Journal of Tropical Insect Science
Invertebrate Taxonomy
Israel Journal of Entomology
Journal of Afrotropical Zoology
Journal of Biogeography
Journal of Chemical Ecology
Journal of East African Natural History
Journal of Ethology
Journal of Eukaryotic Microbiology

Journal of Fish Biology
Journal of Insect Biodiversity
Journal of Insect Science
Journal of Natural History
Journal of Paleontology
Journal of Systematic Palaeontology
Journal of the Arkansas Academy of Science
Journal of Tropical Ecology
Journal of Zoological Systematics and Evolutionary Research
Journal of Zoology
Koleopterologische Rundschau
Kraken
Mammal Review
Megataxa
Molecular Phylogenetics and Evolution
Molecules
Nota Lepidopterologica
Organisms, Diversity and Evolution
Palaeogeography, Palaeoclimatology, Palaeoecology
Palaios
PLOS One
Proceedings of the Entomological Society of Washington
Proceedings of the Hawaiian Entomological Society
Science of the Total Environment
Scientific Reports
Serials Review
Soil and Tillage Research
Soil Organisms
South African Journal of Science
Systematic Entomology
Systematics and Biodiversity
Tijdschrift voor Entomologie
Ukrainian Botanical Journal
VERNATE
Web Ecology
ZooKeys
Zoological Journal of the Linnean Society
Zoologischer Anzeiger
Zoosystema
Zootaxa

Current memberships in professional societies

- Entomologischer Verein Stuttgart, Germany (since 1983).

- Entomological Society of Southern Africa, Pretoria, South Africa (since 1989).
- Coleopterists Society, U.S.A. (since 1990).
- Arbeitskreis Bernstein, Verein zur Förderung des Geologisch-Paläontologischen Museums der Universität Hamburg, Hamburg, Germany (since 1998).
- Entomological Society of Latvia (since 1999).
- Royal Entomological Society London, England (since 2001).
- Entomological Society of America (1994–2000, 2007–2011, from 2013).
- International Society of Zoological Sciences (since 2008).
- American Association for Zoological Nomenclature (since 2012)
- European Association of Science Editors, UK (since 2012)
- Colorado Native Plant Society (since 2016)
- Systematics Association (since 2024)

- 1999–2000: Treasurer of the Systematics Study Group of the Deutsche Zoologische Gesellschaft.

List of publications

Electronic publications, abstracts and reports in the appendix.

in press

251. **KRELL, F.-T. & Bercken, B. van den** (in press). Scarab Mummy: Pp. XX–XX in: Bercken, B. van den (ed.): *Animal Mummies*. Leiden, The Netherlands: Sidestone Press.
250. **KRELL, F.-T.** (in press). Cockerell, Alice Elizabeth. In: Grant, S. (ed.): *Mainly about Bedford Park People*. Bedford Park, UK.
249. **KRELL, F.-T.** (in press). Cockerell, Douglas Bennett. In: Grant, S. (ed.): *Mainly about Bedford Park People*. Bedford Park, UK.
248. **KRELL, F.-T.** (in press). Cockerell, Leslie Maurice. In: Grant, S. (ed.): *Mainly about Bedford Park People*. Bedford Park, UK.
247. **KRELL, F.-T.** (in press). Cockerell, Olive Juliet. In: Grant, S. (ed.): *Mainly about Bedford Park People*. Bedford Park, UK.
246. **KRELL, F.-T.** (in press). Cockerell, Una Agnes. In: Grant, S. (ed.): *Mainly about Bedford Park People*. Bedford Park, UK.
245. **KRELL, F.-T.** (in press). Cockerell, Theodore Dru Allison. In: Grant, S. (ed.): *Mainly about Bedford Park People*. Bedford Park, UK.

2024

244. **Jiménez-Mejías, P., Manzano, S., Gowda, V., KRELL, F.-T., Lin, M.-Y., Martín-Bravo, S., Martín-Torrijos, L., Nieto Feliner, G., Mosyakin, S.L., Naczi, R.F.C., Acedo, C., Álvarez, I., Crisci, J.V., Luceño Garcés, M., Manning, J., Moreno Saiz, J.C., Muasya, A.M., Riina, R., Sánchez-Mata, D., Sánchez Meseguer, A., El-Hawagry, M.S.A., Rad, M.A., Blandin, P., Schmitt, M., Hayashi, R., Kim, S., Ronikier, A., Ronikier, M.,**

Chozas, S., Anjos, A., Garbino, G.S.T., Rogov, M., Morales, M.B., Leopardi Verde, C.L., Çilden, E., Shuka, D., Gjeta, E., Shuka, L., Meco, M., Shumka, S., Benghanem, A.N., Tahri, D., Hocine, L., Meddour, R., Boubar, S., Benhouhou, S., Pladevall, C., Gonçalves, F.M.P., Pérez-González, A., Carranza, A.V., Prina, A.O., Prado, D.E., Gutiérrez, D.G., Guerrero, E.L., Lavilla, E.O., Minghetti, E., Agnolín, F., Alfosno, G.L., Cantero, J.J., Faivovich, J., Katinas, L., Laurito, M., Arana, M., Melo, M.C., Ponce, M.J., Fabbroni, M., Ortiz, O.E., Demaio, P.H., Dellapé, P.M., Teta, P., Kiesling, R., Aleksanyan, A., Fayvush, G., Jones, B., Bickel, D.J., Håkansson, E., Kupriyanova, E., Shea, G., Kellermann, J., Wilson, K.L., Mucina, L., Morris, N., Cranston, P., Crossing, P., Allsopp, P.G., Weston, P., Hoser, R., Pethiyagoda, R., Eipper, S., Worthy, T.H., Bejsak-Collaredo-Mansfeld, V.R., Frajman, B., Pachschröll, C., Schneeweiss, G.M., Pils, G., Voglmayr, H., Krisai-Greilhuber, I., Agiadi, K., Barfuss, M.H.J., Schönswetter, P., Willner, W., Lukashuk, A., Tikhomirov, V.N., Dorchin, A., Henrard, A., De Blauwe, H., Verloove, F., Smagge, G., Verniers, J., Bosselaers, J., Degreef, J., Meganck, K., Chatrou, L., Beyens, L., da Costa, L.M., Sosef, M., Pauwels, O.S.G., Rosa, P., Schoolmeesters, P., Limbourg, P., Gradstein, R., Speijer, R., Ntore, S., Wood, T.J., De Prins, W., Yorou, N.S., Wangchuk, J., Siles, L., Aguirre, L.F., Aguirre Urioste, L.F., Mercado U., M., Pareses-Rodríguez, M.A., Ocampo, M., Carvajal Bacarreza, P.J., Adrović, A., Trožić-Borovac, S., Teketay Fanta, D., Kury, A.B., Hoffmann, A., Fernandes, A.S., Katz, A.M., Walter, B.M.T., Moura, C.O. de, Lopes-Andrade, C., Amorim, D. de S., Cavallari, D.C., Loebmann, D., Aguilar Fachin, D., Silva, D.N. da, Vaz-de-Mello, F.Z., Langeani Neto, F., Lopes, G.P., Costa, H.C., Büneker, H.M., Gonçalves, I.P., Lattke, J.E., Rafael, J.A., Nascimento, J. Jr., Pirani, J.R., Külkamp, J., Silva Junior, J.C.G., Araujo-Vieira, K., Giacomini, L.L., Vieira, L.M., Vieira, L.T.A., Borges, L.M., Versieux, L.M., Marinho, L.C., Jordão, L.S.B., Queiroz, L.P. de, Trovó, M., Weksler, M., Lhano, M.G., Caruzo, M.B.R., Hoogmoed, M.S., Figueira, M., Medrano, M., Groppo, M., Rojas Padilla, O., Silva, O.L.M. da, Thyssen, P.J., Cardoso, P.H., Freitas Silva, R.A.P., Trevizan, R., Secco, R. de S., Simão-Bianchini, R., Thomson, S., Santos, T.C.M. dos, Caramaschi, U., Sudré dos Santos, V., Graça, W.J. da, Rossine, Y., Slik, J.W.F., Grafe, U., Tosheva, A., Asenov, A., Pavlova, D., Konstantinov, F., Kunev, G., Simov, N., Missoup, A.D., Bennett, A.M.R., Hann, B., Morgan, C., Lacroix-Carignan, É, Léveillé-Bourret, É., Sperling, F., Brodo, F., Allen, G.A., Pohl, G.R., Basinger, J., Landry, J.-F., Maunder, J.E., Reynolds, J.W., Cazabonne, J., Villarreal Aguilar, J.C., Buck, M., Costea, M., Barden, O., Cronk, Q., Otfinowski, R., Claramunt, S., Darbyshire, S., Dickinson, T., Crins, W.J., Marticorena Garri, A., Alarcón Abarca, D., Squeo, F.A., D'Elía, G., Pérez-Schultheiss, J., García-Beltrán, J.A., Rivadeneira, M.M., Rodríguez, S.M., Teillier, S., Nielsen, S.N., Borzee, A., Zhao, B., Shah, B., Yuan, C.-X., Liu, C., Liao, C.-Y., Liu, C., Gao, C.-B., Tang, C., Zhang, C., Lau, C.S.-K, Zhou, D., Gustafsson, D.R., Rédei, D., Duan, F.-M., Jia, F., Chen, F., Zhou, G., Huang, G.-Q., Xu, H., Gao, H.-R., Yan, H., Naveed, H., Zhu, H., Shi, H., Li, H., Han, H., Liu, J.-L., Huang, J., Liu, J., Cao, J.-q., Sun, J., Guo, J.-W., Chen, J.-Y., Guo, J., Sun, J., Wang, J., Zhai, J.-y., Lin, J.-z., Zhang, J., Chen, J., Zhang, J., Tong, J., Kang, K., Wang, K., Cai, K.-M., Ma, K., Xu, K., Zhang, K., Ren, L., Tang, L., Luo, L., Meng, L.-Z., Lin, M.Y., Xie, M., Liu, M., Hassan, M.A., Fei, P., Rioual, P., Li, P., Li, P., Bhandari, P., Xu, Q., Gao, Q., Guo, Q., Shen, R., Huang, R., Gao, S., Feng, S.-Y., Li, S., Qiu, S., Wang, S., Zhang, S., Zhang, S., Ge, S., Xu, S., Yang, T., Hu, T.-H., He, T.-L., Gao, T., Yin, W., Sun, X.-q., Jin, X.-F., Yang, X.-R., Zeng, X., Zhao, X.-L., Li, X.-R., Yang, X.-K., Bai, X.-L., Liu, X., Duan, X., Zheng, X., Li, X., Zhang, X., Jiang, X., Zhao, Y., Zhao, Y., Fan, Y.-C., Lu, Y.-F., Zhang, Y.-F., Liu, Y., Yu, Y., Zhang, Y., Zhou, Y., Zhang, Y., Yan, Y., Zhao, Y.-W., Li, Y.-j., Dai, Y., Hou, Z., Pan, Z., Wang, Z., Huang, Z., Qi, Z.-H., Lyu, Z.-T., He, Z.-Z., Jiang, Z., Gao, Z., Chen,

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