

List of publications

- REID, CE, A. LUDWIG & R. HERMES (2012): Analysis of the European captive Southern white rhinoceros *Ceratotherium simum simum* population using the International Studbook for the African White Rhinoceros (2001–2004) and integrating reproductive health findings. *International Zoo Yearbook*: in press.
- LUDWIG, A., C. VERNESI, D. LIECKFELDT, E. Z. LATTENKAMP, A. WIETHÖLTER, W. LUTZ (2012): Origin and patterns of genetic diversity of German fallow deer as inferred from mitochondrial DNA. *European Journal of Wildlife Research*: in press. (doi 10.1007/s10344-011-0571-5)
- PRUVOST M., M. REISSMANN & A. LUDWIG (2012): From genes to phenotypes - evaluation of two methods for the SNP analysis in archaeological remains: pyrosequencing and competitive allele specific PCR KASPar. *Annals of Anatomy*: in press.
- PRUVOST M., R. BELLONE, N. BENECKE, E. SANDOVAL-CASTELLANOS, M. CIESLAK, T. KUZNETSOVA, A. MORALES-MUÑIZ, T. O'CONNOR, M. REISSMANN, M. HOFREITER & A. LUDWIG (2011): Genotypes of pre-domestic horses match phenotypes painted in Paleolithic works of cave art. *Proceedings of the National Academy of Sciences USA* 108: 18626-18630.
- LUDWIG, A. (2011): To take up the cudgels for inbreeding as tool in conservation biology. *Journal of Applied Ichthyology*: in press.
- LIPPOLD, S., KNAPP, M., KUZNETSOVA, T., LEONARD, J.A., BENECKE, N., LUDWIG, A., MORTEN, R., COOPER, A., WEINSTOCK, J., WILLERSLEV, E., SHAPIRO, B. & M. HOFREITER (2011): Discovery of lost diversity of paternal horse lineages using ancient DNA. *Nature Communications* 2: 450 doi:10.1038/ncomms1447.
- CIESLAK, M., M. REISSMANN, M. HOFREITER & A. LUDWIG (2011): Colours of domestication. *Biological Reviews* 86: 885-899.
- REINARTZ, R., S. LIPPOLD, D. LIECKFELDT & A. LUDWIG (2011): Population genetic analyses of *Acipenser ruthenus* as a prerequisite for the conservation of the uppermost Danube population. *Journal of Applied Ichthyology* 27: 477-483.
- CIESLAK, M., M. PRUVOST, N. BENECKE, M. HOFREITER, A. MORALES, M. REISSMANN & A. LUDWIG (2010): Origin and history of mitochondrial DNA lineages in domestic horses. *PLoS ONE* 5(12): e15311. doi:10.1371/journal.pone.0015311
- LUDWIG, A., D. MAKOWIECKI, & N. BENECKE (2009): Further evidence of trans-Atlantic colonization of Western Europe by American Atlantic sturgeons. *Archaeofauna* 18: 185-192.
- LUDWIG, A., M. PRUVOST, M. REISSMANN, N. BENECKE, G. A. BROCKMANN, P. CASTANOS, M. CIESLAK, S. LIPPOLD, L. LLORENTE, A.-S. MALASPINAS, M. SLATKIN, M. HOFREITER (2009): Coat color variation at the beginning of horse domestication. *Science* 324: 485.
- LUDWIG, A., S. LIPPOLD, L. DEBUS & R. REINARTZ (2009): First evidence of hybridization between endangered sterlets (*Acipenser ruthenus*) and exotic Siberian sturgeons (*Acipenser baerii*) in the Danube River. *Biological Invasions* 11: 753-760.
- LUDWIG, A., U. ARNDT, L. DEBUS, E. ROSSELLO & A. MORALES (2009): Ancient mitochondrial DNA analyses of Iberian sturgeons. *Journal of Applied Ichthyology* 25: 5-9.
- BORCHERS, K., D. LIECKFELDT, A. LUDWIG, H. FUKUSHI, G. ALLEN, R. FYUMAGWA & R. HOARE (2008): Detection of Equid herpesvirus 9 DNA in the trigeminal ganglia of a Burchell's zebra from the Serengeti Ecosystem. *The Journal of Veterinary Medical Science* 70:1377-81.
- EAST, M. L., G. WIBBELT, D. LIECKFELDT, A. LUDWIG, K. GOLLER, K. WILHELM, G. SCHARES, D. THIERER & H. HOFER (2008): Infection of spotted hyena with a *Hepatozoon* species genetically distinct from *H. canis* in the Serengeti ecosystem, Tanzania. *Journal of Wildlife Diseases* 44: 45-52.
- KRIEGER, J., A. K. HETT, P. A. FUERST, E. ARTYKHIN & A. LUDWIG (2008): The molecular phylogeny of the order Acipenseriformes revisited. *Journal of Applied Ichthyology* 24(S1): 36-45.
- LUDWIG, A., U. ARNDT, S. LIPPOLD, N. BENECKE, L. DEBUS, T. L. KING & S. MATSUMURA (2008): Tracing the first steps of American sturgeon pioneers in Europe. *BMC Evolutionary Biology* 8: 221.
- LUDWIG, A. (2008): Identification of Acipenseriformes species in trade. *Journal of Applied Ichthyology* 24(S1): 2-19.

- REHBEIN, H., J. MOLKENTIN, R. SCHUBRING, D. LIECKFELDT & A. LUDWIG (2008): Development of advanced analytical tools for determination of the origin of caviar. *Journal of Applied Ichthyology* 24(S1): 65-70.
- SCHMITT, A. O., J. SCHUCHHARDT, A. LUDWIG, G. A. BROCKMANN (2007): Protein evolution within and between species. *Journal of Theoretical Biology* 249: 376-383.
- FICKEL, J., A. WAGENER & A. LUDWIG (2007): Semen cryopreservation and the conservation of endangered species. *European Journal of Wildlife Research* 53: 81-89. **One of the 10 most downloaded articles of this journal from 2008 to 2010**
- FRÖLICH, K., J. FICKEL, A. LUDWIG, D. LIECKFELDT, W.J. STREICH, R. JURCIK, J. SLAMECKA & G. WIBBELT (2007): New variants of European brown hare syndrome virus strains in free ranging European brown hare (*Lepus europaeus*) from Slovakia. *Journal of Wildlife Diseases* 43(1): 89-96.
- LUDWIG, A. & J. GESSNER (2007): What makes the difference? – Sea sturgeon on both sides of the Atlantic Ocean. *American Fisheries Society Symposium* 56: 285-300.
- GESSNER, J., G.-M. ARNDT, A. LUDWIG & F. KIRSCHBAUM (2007): Remediation of Atlantic sturgeon *Acipenser oxyrinchus* in the Baltic Sea - background, status, and perspectives. *American Fisheries Society Symposium* 56: 301-317.
- PENG, Z., A. LUDWIG, D. WANG, R. DIOGO, Q. WEI, & S. HE (2007): Age and biogeography of major clades in sturgeons and paddlefishes (Pisces: Acipenseriformes). *Molecular Phylogenetics and Evolution* 42: 854-862.
- WILLIOT, P., T. ROUAULT, M. PELARD, D. MERCIER, M. LEPAGE, B. DAVAIL-CUISSET, F. KIRSCHBAUM & A. LUDWIG (2007): Building a broodstock of the critically endangered sturgeon *Acipenser sturio*: Problems and observations associated with the adaptation of wild-caught fish to hatchery conditions. *Cybium* 31: 3-11.
- BORCHERS, K. D. BÖTTNER, D. LIECKFELDT, A. LUDWIG, K. FRÖLICH, B. KLINGEBORN, F. WIDÈN, G. ALLEN & H. LUDWIG (2006): Characterization of equid herpesvirus 1 (EHV-1) related viruses from captive Grevy's zebra and blackbuck. *The Journal of Veterinary Medical Science* 68: 757-760.
- FREYHOF, J., D. LIECKFELDT, N. BOGUTSKAYA, C. PITRA & A. LUDWIG (2006): Phylogenetic position of the Dalmatian genus *Phoxinellus* and description of the newly proposed genus *Dalmatichthys* (Teleostei: Cyprinidae). *Molecular Phylogenetics and Evolution* 38: 416-425.
- KRIEGER, J., A. K. HETT, P. A. FUERST, V. J. BIRSTEIN & A. LUDWIG (2006): Unusual intraindividual variation of the nuclear 18S rRNA gene is widespread within the Acipenseridae. *Journal of Heredity* 97: 218-225.
- HÖNER, O. P., B. WACHTER B, S. SPECK, G. WIBBELT, A. LUDWIG, R. D. FYUMAGWA, P. WOHLSEIN, D. LIECKFELDT, H. HOFER & M. L. EAST (2006): Severe streptococcus infection in spotted hyenas in the Ngorongoro Crater, Tanzania. *Veterinary Microbiology* 115: 223-228.
- LIECKFELDT, D., A. K. HETT, A. LUDWIG & J. FREYHOF (2006): Detection, characterization and utility of a new highly variable nuclear marker region in several species of cyprinid fishes (Cyprinidae). *European Journal of Wildlife Research* 52: 63-65.
- LUDWIG, A. (2006): A sturgeon view on conservation genetics. *European Journal of Wildlife Research* 52: 3-8.
- BIRSTEIN, V. J., G. RUBAN, A. LUDWIG, P. DOUKAKIS & R. DESALLE (2005): The enigmatic Caspian Sea Russian sturgeon: How many cryptic forms does it contain? *Systematic and Biodiversity* 3: 203-218.
- FICKEL, J., A. SCHMIDT, M. PUTZE, H. SPITTLER, A. LUDWIG, W.-J. STREICH & C. PITRA (2005): Management implications for European brown hare derived from population genetic structure. *Journal of Wildlife Management* 69: 760-770.
- FREYHOF, J., D. LIECKFELDT, C. PITRA & A. LUDWIG (2005): Molecules and morphology: evidence for introgression of mitochondrial DNA in Dalmatian cyprinids. *Molecular Phylogenetics and Evolution* 37: 347-354.
- FROELICH, K., S. JUNG, A. LUDWIG, D. LIECKFELDT, P. GIBERT, D. GAUTHIER & J. HARS (2005): First evidence for a novel pestivirus in Pyrenean chamois (*Rupicapra pyrenaica pyrenaica*) from France. *Journal of Wildlife Diseases* 41: 606-610.
- HETT, A. K. & A. LUDWIG (2005): SRY-related (Sox) genes in the genome of European Atlantic sturgeon (*Acipenser sturio*). *Genome* 48: 181-186.

- HETT, A. K., C. PITRA, I. JENNECKENS & A. LUDWIG (2005): Characterization of the Sox9 gene in European Atlantic sturgeon (*Acipenser sturio*). *Journal of Heredity* 96: 150-154.
- LIN, L., A. PRASSOLOV, A. FUNK, H. HOHENBERG, K. FRÖLICH, J. NEWBOLD, A. LUDWIG, H. WILL, H. SIRMA & F. STEINBACH (2005): Evidence from nature: interspecies spread of heron hepatitis B viruses. *Journal of General Virology* 86: 1335-1342.
- LUENSER, K., J. FICKEL & A. LUDWIG (2005): Evolution of ovine and caprine beta-defensin genes. *Immunogenetics* 57: 487-498.
- LUENSER, K., J. FICKEL, A. LEHNEN, S. SPECK & A. LUDWIG (2005): Low level of genetic variability in European bison (*Bison bonasus*) from the Bialowieza National Park in Poland. *European Journal of Wildlife Research* 51: 84-87.
- LUENSER, K. & A. LUDWIG (2005): Variability and evolution of bovine beta-defensin genes. *Genes and Immunity* 6: 115-122.
- ROBLES, F., R. DE LA HERRAN, A. LUDWIG, C. RUIZ-REJON, M. RUIZ-REJON & M. GARRIDO RAMOS (2005): Genomic organization and evolution of the 5S ribosomal DNA in the ancient fish sturgeon. *Genome* 48: 18-28.
- WILLIOT, P., R. BRUN, T. ROUAULT, M. PELARD, D. MERCIER & A. LUDWIG (2005): Artificial spawning in cultured sterlet sturgeon, *Acipenser ruthenus* L., with special emphasis on hermaphrodites. *Aquaculture* 246: 263-273.
- ROBLES, F., R. DE LA HERRAN, A. LUDWIG, C. RUIZ-REJON, M. RUIZ-REJON & M. GARRIDO RAMOS (2004): Evolution of ancient satellite DNAs in sturgeon genomes. *Gene* 338: 133-142.
- LUDWIG, A. & N. BENECKE (2003): Zur Systematik und Paläontologie der Gattung *Ovis* mit besonderer Berücksichtigung der Stellung des Europäischen Mufflons. *Beiträge zur Jagd- und Wildforschung* 28: 35-45.
- LUDWIG, A., L. CONGIU, C. PITRA, J. FICKEL, J. GESSNER, F. FONTANA, T. PATARNELLO & L. ZANE (2003): Nonconcordant evolutionary history of maternal and paternal lineages in Adriatic sturgeon. *Molecular Ecology* 12: 3253-3264.
- WOLTER, C., F. KIRSCHBAUM & A. LUDWIG (2003): Sub-population structure of common fish species in the Elbe River estimated from DNA analysis. *Journal of Applied Ichthyology* 19: 278-283.
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- LUDWIG, A., L. DEBUS & I. JENNECKENS (2002): A molecular approach for trading control of black caviar. *International Review of Hydrobiology* 87: 661-674.
- ZANE, L., T. PATARNELLO, A. LUDWIG, F. FONTANA & L. CONGIU (2002): Isolation and characterization of microsatellites in the Adriatic sturgeon (*Acipenser naccarii*). *Molecular Ecology Notes* 2: 586-588.
- JENNECKENS, I., J.N. MEYER, G. HÖRSTGEN-SCHARK, B. MAY, L. DEBUS & A. LUDWIG (2001): A fixed allele at microsatellite locus LS-39 exhibiting species-specificity for the black caviar producer *Acipenser stellatus*. *Journal of Applied Ichthyology* 17: 39-42.
- LUDWIG, A., N. M. BELFIORE, C. PITRA, V. SVIRSKY & I. JENNECKENS (2001): Genome duplication events and functional reduction of ploidy levels in sturgeon (*Acipenser*, *Huso* and *Scaphirhynchus*). *Genetics* 158: 1203-1215.
- LUDWIG, A., J. BOHLEN, C. WOLTER & C. PITRA (2001): Phylogenetic relationships and historical biogeography of spined loaches (Cobitidae, *Cobitis* and *Sabanejewia*) as indicated by variability of mitochondrial DNA. *Zoological Journal of the Linnean Society* 131: 381-392.
- DOUKAKIS P., V. J. BIRSTEIN, R. DESALLE, A. LUDWIG, A. N. LUDWIG, A. MACHORDOM, A. ALMODÓVAR & B. ELVIRA (2000): Failure to confirm previous identification of two putative museum specimens of the Atlantic sturgeon, *Acipenser sturio*, as the Adriatic sturgeon, *A. naccarii*. *Marine Biology* 136: 373-377.
- JENNECKENS, I., J.N. MEYER, L. DEBUS, C. PITRA & A. LUDWIG (2000): Evidence of mitochondrial DNA clones of Siberian sturgeon, *Acipenser baerii*, within Russian sturgeon, *Acipenser gueldenstaedtii*, caught in the River Volga. *Ecology Letters* 3: 503-508.
- LUDWIG, A., B. MAY, L. DEBUS & I. JENNECKENS (2000): Heteroplasmy in the mtDNA control region of sturgeon (*Acipenser*, *Huso* and *Scaphirhynchus*). *Genetics* 156: 1933-1947.
- LUDWIG, A., J. BECKER & J. BOHLEN (2000): Small differences in cytochrome-*b* sequences within the genus *Sabanejewia*. *Folia Zoologica* 49: 85-90.

- LUDWIG, A. & I. JENNECKENS (2000): A PCR test for mitochondrial heteroplasmy in sturgeon. *Animal Genetics* 31: 153-154.
- LUDWIG, A. & F. KIRSCHBAUM (1998): Comparison of mitochondrial DNA sequences between the European and the Adriatic sturgeon. *Journal of Fish Biology* 52: 1289-1291.
- LUDWIG, A. & S. FISCHER (1998): New aspects of an old discussion - phylogenetic relationships of *Ammotragus* and *Pseudois* within the subfamily Caprinae based on comparison of the 12S rDNA sequences. *Journal of Zoological Systematic and Evolutionary Research* 36: 173-178.
- LUDWIG, A. & J. KNOLL (1998): Multivariate morphometrische Analysen der Gattung *Ovis* Linnaeus, 1758 (Mammalia, Caprinae). *Zeitschrift für Säugetierkunde* 63: 210-219.

Books

- LUDWIG, A. & IUCN SPECIES PROGRAMME (2007): Identification of Acipenseriformes species in trade. IUCN, Gland, Switzerland (available at: http://www.cites.org/common/prog/sturgeon/id_sturgeon_iucn.pdf)

Proceedings, book chapter and non-reviewed articles

- LUDWIG, A., MORALES-MUÑIZ, A., ROSELLÓ-IZQUIERDO, E. (2011): Sturgeons in Iberia from Past to Present. In: *Biology and Conservation of the European Sturgeon Acipenser sturio L. 1758* (eds Williot et al.), Springer, pp. 131-146.
- GESSNER, J, G-M. ARNDT, F. FREDRICH, A. LUDWIG, F. KIRSCHBAUM, R. BARTEL & H. V. NORDHEIM (2011): Remediation of Atlantic sturgeon *A. oxyrinchus* in the Oder River: Background and first results. In: *Biology and Conservation of the European Sturgeon Acipenser sturio L. 1758* (eds Williot et al.), Springer, pp. 539-560.
- PENG, Z., DIOGO, R., LUDWIG, A., HE, S. (2009): Sturgeons and paddlefishes (*Acipenseriformes*). In: *The Timetree of Life* (eds Hedges, S.B., Kumar, S.), Oxford University Press, 332-334.
- DIEKMANN, M., GESSNER, J., LUDWIG, A. (2006): Die Bestandssituation des Atlantischen Lachses. *Fischer & Teichwirt* 57 (9): 335-336.
- GESSNER J., A. LUDWIG & M. DIECKMANN (2006): Störe: Implikationen für Schutz und Management. *Fischer & Teichwirt* 57 (2): 63-64.
- LUDWIG, A., GESSNER, J., DIEKMANN, M. (2006): Möglichkeiten und Risiken genetisch manipulierter Organismen (GMO) in der Aquakultur. *Fischer & Teichwirt* 57 (6): 203-204.
- DIECKMANN, M., J. GESSNER & A. LUDWIG (2005): Weltweiter Rückgang der Aalbestände. *Fischer & Teichwirt* 11/05: 406-408.
- LUDWIG, A. & L. DEBUS (2005): Nordamerikanische Atlantikstöre in der Ostsee. *Fischer & Teichwirt* 8/05: 309-311.
- RAB, P., M. FLAJSHANS, A. LUDWIG, D. LIECKFELDT, C. ENE, M. RABOVA, V. PIACKOVA & T. PAAVER (2004): The second highest chromosome count among vertebrates is associated with extreme ploidy diversity in hybrid sturgeons. *Cytogenetic and Genome Research* 106 (1): 24.
- KIRSCHBAUM, F., A. LUDWIG, E. HENSEL, S. WÜRTZ, W. KLOAS, P. WILLIOT, R. TIEDEMANN, M.G. ARNDT, E. ANDERS, H. V. NORDHEIM & J. GESSNER (2004): Status of the protection and restoration of Atlantic sturgeon in Germany: background, actual situation, and perspectives. *BfN-Skripten* 101: 36-53.
- LUDWIG, A., L. DEBUS, D. LIECKFELDT, I. WIRGIN, N. BENECKE, I. JENNECKENS, P. WILLIOT, J. R. WALDMAN & C. PITRA (2004): When the American sea sturgeon swam east. *BfN-Skripten* 101: 29-35.
- LUDWIG, A., WILLIOT P., KIRSCHBAUM F. & D. LIECKFELDT (2004): Genetic variability of the Gironde sturgeon population. Proceedings of the International workshop on species differentiation and population identification in the common sturgeon *Acipenser sturio* L. Blossin, Germany, 27.-28.07.2002. *BfN-Skripten* 101: 54-72.
- KIRSCHBAUM F., LUDWIG A., GESSNER J., HENSEL E., WÜRTZ S., KLOAS W. & P. WILLIOT (2003): Restoration of the European sturgeon, *Acipenser sturio* L., in Germany: background, actual situation, and perspectives. *Berichte des IGB* 17: 230-246.

- LUDWIG, A. (2003): Transatlantische Besiedlung der Ostsee durch amerikanische Atlantikstöre im frühen Mittelalter. *Berichte des IZW 2002*: 20-22.
- WOLTER C., KIRSCHBAUM F. & A. LUDWIG (2002): Populationsgenetische Untersuchungen. In: *Ökologische Zusammenhänge zwischen Fischgemeinschafts- und Lebensraumstrukturen der Elbe* (eds Thiel R, Ginter R), Zentrum für Meeres- und Klimaforschung an der Universität Hamburg: 171-178.
- LUDWIG, A. (2001): Taxonomie von *Acipenser sturio*. In: *Der Stör – Fisch des Jahres 2001* (ed. Verband Deutscher Sportfischer), Verlag M. Faste, pp. 15-17.
- LUDWIG, A., I. JENNECKENS, L. DEBUS, A. LUDWIG, J. BECKER & F. KIRSCHBAUM (2000): Genetic analyses of archival specimens of the European sturgeon – *Acipenser sturio*. *Boletín Instituto Español de Oceanografía* 16 (1-4): 181-190.
- LUDWIG, A. (1998): Abstammung der europäischen Hausschafe und Phylogenie der eurasischen Wildschafe. *Schriften zu Genetischen Ressourcen* 9: 1-122.

Plenary talks and invited presentations

- Sturgeon genetics, aquaculture and conservation. Genomics in aquaculture (GIA 2011), Heraklion, Crete; Greece (Plenary Talk)
- Genetic distance between the White Park Cattle and the Aurochs (*Bos primigenius*), Zoo Arche Warder, Germany, 22.11.2011 (in German)
- Colours of domestication. University Wageningen, The Netherlands, 03.11.2010.
- Colours of domestication. Technische Universität München, 21.10.2010.
- Horse domestication. Gifu University, Gifu Japan, 24.09.2010
- Genetics for wildlife conservation in Germany. 14th Kyoto University International Symposium, Nagoya Japan. 19.09-20.09.2010 (Plenary talk).
- Mitogenome analyses of primitive cattle breeds. Arche Warder, 23.07.2010.
- Tracing the roots of domestication. Institute of Animal Sciences, University of Göttingen, Germany, 14.12.2009.
- Population admixtures, introgression and hybridization events. 6th International Symposium on Sturgeon, Wuhan, China. 25.10.-31.10.2009.
- Tracing the roots of horse domestication. Chinese Academy of Sciences, Chongqing, China. 21.10.2009.
- Der besondere Wert von Allelfrequenzen. Universität Düsseldorf, Institut für Genetik. 27.01.2009.
- The merits of allelic frequencies. Aktuelle Entwicklungen in der Molekulargenetik, Humboldt-University of Berlin. 23.01.2009.
- Die Wiederansiedlung von Stören in Brandenburg. Vorträge im Darwinjahr. Naturkundemuseum Potsdam. 22.01.2009.
- Identification of *Acipenseriformes* species in trade – state of the art. 2nd CITES-Status Workshop Identification of *Acipenseriformes* species in trade. 29.09.-01.10.2006, Berlin, Germany (Opening Lecture).
- LIPPOLD, S. & A. LUDWIG: The use of assignment tests in sturgeon identification. 2nd CITES-Status Workshop Identification of *Acipenseriformes* species in trade. 29.09.-01.10.2006, Berlin, Germany.
- HETT, A. K., R. EAMES & A. LUDWIG: Gene and genome duplication events as demonstrated by the variability and distribution of *Sox* genes in sturgeon. International Conference on the Biology, Conservation and Sustainable Development of Sturgeons (BIORESTURGEONS). 28.11.-30.11.2005, Granada, Spain.
- LUDWIG, A. & J. KRIEGER: Phylogeny and conservation of sturgeon. International Conference on the Biology, Conservation and Sustainable Development of Sturgeons (BIORESTURGEONS). 28.11.-30.11.2005, Granada, Spain (Plenary Talk).
- LUDWIG, A., U. ARNDT, L. DEBUS & N. BENECKE: Lessons from the past – the restoration of Baltic sturgeon. 18.06-19.06.2005, 2th Archaeozoology and Genetics ICAZ Workshop, Cambridge, UK.

- HETT, A. K. & A. LUDWIG: SRY-related (Sox) genes in sturgeon. Evolutionsbiologisches Kolloquium an der Mathematisch-Naturwissenschaftlichen Fakultät der Universität Potsdam, 19.11.2004, Potsdam, Germany.
- LÜNSER, K. & A. LUDWIG: Accelerated evolution of β -defensins due to domestication. 13.02.2004, Chinese Academy of Sciences (CAS), Kunming, China.
- Transatlantic colonization of Atlantic sea sturgeon. Alfred-Wegener-Institut für Polar- und Meeresforschung in der Helmholtz-Gemeinschaft. 30.01.2004, Bremerhaven, Germany.
- DEBUS, L. & A. LUDWIG: Genetic and morphologic basis for the restoration of the Baltic Sturgeon. International Symposium "Cold Water Aquaculture: Start in the XXI century", 08.-13.09.2003, Saint-Petersburg, Russia.
- Atlantic sea sturgeon restoration in Europe – Genetic background. 133rd Annual Meeting of the American Fisheries Society, 10.08.-14.08.2003, Quèbec City, Canada.
- Evolutionäre Grundlagen moderner Artenschutzkonzepte am Beispiel der Störe. Evolutionsbiologisches Kolloquium an der Mathematisch-Naturwissenschaftlichen Fakultät der Universität Potsdam, 12.11.2002, Potsdam, Germany.
- Genetic structure of *Acipenser sturio* from the Gironde population. International workshop on species differentiation and population identification in common sturgeon, *Acipenser sturio* L., 27.-28.06.2002, Blossin, Germany.
- Baltic sturgeon. International workshop on species differentiation and population identification in common sturgeon, *Acipenser sturio* L., 27.-28.06.2002, Blossin, Germany.
- Lessons for conservation and management of endangered species from sturgeon. Max-Planck-Institute for Evolutionary Anthropology and Laboratory for Conservation Genetics, 20.10.2000, Leipzig, Germany.
- Molecular methods for trading control and identification of sturgeon species. CITES Conference Sturgeon Management and Conservation, 11.-15.09.2000, Astrakhan, Russia.
- Molecular methods for discriminating among caviar of different sturgeon species. Symposium Caviar Production and Closing Session INCO Copernicus Project (IC 15 CT 96-1005), 13.-15.05.2000, Berlin, Germany.

Additional talks and posters

- Variation of coat color genotypes pinpoints down the roots of horse domestication. 9th World Congress on Genetics Applied to Livestock Production, 1.8.-6.8.2010, Leipzig, Germany.
- GÄRKE, C., F. YTOURNEL, A. LUDWIG & H. SIMIANER: Molekulargenetische Differenzierung des Göttinger Minischweins. Vortragstagung der DGfZ und GfT am 16.-17.09.2009, Gießen, Germany.
- Inbreeding and Outbreeding – Lessons for restoration programs. IUCN Restoration Specialist Group Meeting, 31.08.-04.09.2009, Düsseldorf, Germany.
- LIPPOLD, S., J. WEINSTOCK, E. WILLERSLEV, M. PRUVOST, A. LUDWIG, N. BENECKE, T. KUTZNETSOVA, M. HOFREITER: Pleistocene Horses – genetics before and after the last glacial maximum. 14.09.-16.09.2008, ISBA 3 York, UK.
- Cieslack M., M. Pruvost, S. Lippold, M. Reissmann, A. Morales, N., Benecke, M. Hofreiter, A. Ludwig: Genetic analysis of Iberian horses. 26.06.-28.06.2008, The 3rd ICAZ Archaeozoology and Genetics Working Group Meeting, Institute of History, University of Tallinn, Estonia.
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