

Arne Ludwig

Research Group Evolutionary Genetics
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Curriculum vitae

1988 – 1993	Study of Animal Breeding and Genetics at the Humboldt-University Berlin (HUB), Germany (Diploma in Animal Production)
1993 – 1996	Ph.D. Candidate (NaFöG scholarship)
1993 – 1994	Visiting Ph.D. Student at the Department of Zoology, University of Witwatersrand Johannesburg, South Africa
1994	Visiting researcher at the Department of Molecular Ecology, University of Bremen
1997	Dissertation in Animal Genetics and Breeding Biology
1997 – 2001	Scientist in the Department Biology and Ecology of Fishes, Leibniz-Institute of Freshwater Ecology and Inland Fisheries Berlin, Germany
Since 2002	Staff scientist in the Research Group of Evolutionary Genetics at the Leibniz Institute for Zoo and Wildlife Research (IZW) in Berlin
Since 2003	Head of the DNA-Service Laboratory at the IZW
January 2005	Habilitation in Genetics (<i>Sturgeon as model of genetic research</i>)
May 2005	Appointment in the IUCN Sturgeon Specialist Group
Since June 2005	Lecturer for Genetics at the Faculty of Agriculture of the HUB
2006	Founding of the ancient DNA Laboratory (trace lab) at the HUB
2007	Founding member of the Centre of Genetic Variation and Adaptation at the HUB
Since 2006	Editorial board member of the Journal of Applied Ichthyology (since 2008 Subject Editor for Genetics)
2007-2008	Editorial Board Member of the Open Journal of Ecology
Since Sept. 2008	Head of the Sub-Group Genetics of the IUCN Sturgeon Specialist Group
Oct. 2009	Member of the IUCN Red List Assessment Group, Wuhan, China
2009	Award from the Forschungsverbund Berlin e.V. for outstanding scientific publications
July 2010	Appointment in the Scientific Advisory Board of the Zoo Arche Warder
10/30/2010	Certificate of Appreciation from the World Sturgeon Conservation Society for “Outstanding contributions to the studies on the genetics of sturgeon species”

Lectures at the Humboldt-University Berlin

1991 – 1993	Courses in Population Genetics and Zoology at the Museum of Natural History (Faculty of Natural Sciences I, Institute of Biology)
2000 – 2002	Genetics of Fishes including biodiversity and conservation of endangered Fishes (International Master Studies of Aquatic Sciences)
Since 2005	Molecular Animal Breeding I and II (Evolutionary Genetics, Molecular Phylogenetics, Population Genetics)
Since 2005	Molecular Techniques (Laboratory course)
Since 2009	The art of scientific writing and publishing

Team members

Dietmar Lieckfeldt (Staff)
Dr. Melanie Pruvost (BMBF, DFG)
Michael Cieslak PhD, Evolutionary Biology (DFG)
Taija Söderlund Trainee (FÖJ, Stiftung für Naturschutz)

Alumni

Saki Yasui Wildlife Research Center of University of Kyoto, Japan, 01.10.09 - 20.11.09
Emilia Tarland Master in Animal Genetics, 2009
F. Robles Rodrigues Universidad de Granada, Spain, 06.02.06 - 05.02.08
Jenny Leanne Giles PhD, University of Queensland, Australia, 15.12.2007 – 14.03.2008 (DAAD)
Jakob Machner Student research thesis, 2005, Biology, HUB
Soner Aksu 01.06.2006 - 30.06.2007 (DFG)
Nicola Hensel 01.07.2005 - 30.06.2007 (DFG)
Anne Kathrin Hett PhD February 2003 - Mai 2006; dissertation "Evolution of nuclear DNA in sturgeons"; Zoology and Evolutionary Biology; University Potsdam, magna cum laude
Katja Luenser PhD February 2003 - December 2005; dissertation "Evolutionary and functional aspects of bovid beta-defensins"; Genetics; University Potsdam, magna cum laude
Laura Astolfi Università di Ferrara, Italy, 19.05.2003 - 18.08.2003
Jens Knoll Diploma 1997 in breeding biology

Membership in Scientific committees

IUCN Red List Assessment Group
IUCN SSC Sturgeon Specialist Group (Chair of the Subgroup Genetics)
Scientific Advisory Board of the Zoo Arche Warder

Refereeing activities (since 2000)

reviewer for *Nature*, *Science*, *Genetics*, *Gene*, *BMC*, *Molecular Biology and Evolution*, *Molecular Phylogenetics and Evolution*, *Conservation Genetics*, *Molecular Ecology*, ...

... DFG, American Fish and Wildlife Service, IUCN, CITES,

Special qualification

Qualification for §15 GenTSV (responsible for biological safety and gene tech experiments)
Head of ancient DNA lab

Cooperation partners

Norbert Benecke (German Archaeological Institute Berlin)
Gudrun Brockmann & Monika Reissmann (Humboldt-University Berlin)
Dina Dechmann (Max-Planck-Institute Radolfzell)
Michael Hofreiter (University of York)
Miho Inoue-Murayama (Wildlife Research Centre Kyoto University, Japan)
Shuichi Matsamura (Gifu University, Japan)

... and many others