

- Handschuh M. & **Hassanin A.** (2013) Pure Banteng *Bos javanicus* persist in southern Preah Vihear province, central Cambodia, despite apparent hybridisation with domestic cattle. *Natural History Bulletin of the Siam Society* 59 : 57–60.

- Cornelis G., Heidmann O., Degrelle S.A., Vernochet C., Lavalie C., Letzelter C., Bernard-Stoecklin S., **Hassanin A.**, Mulot B., Guillomot M., Hue I., Heidmann T. & Dupressoir A. (2013) Captured retroviral envelope syncytin gene associated with the unique placental structure of higher ruminants. *Proc. Natl. Acad. Sci. U S A.* 110 : E828-37.

- **Hassanin A.**, An J., Ropiquet A., Nguyen T.T. & Couloux A. (2013) Combining multiple autosomal introns for studying shallow phylogeny and taxonomy of Laurasiatherian mammals : Application to the tribe Bovini (Cetartiodactyla, Bovidae). *Mol. Phylogenet. Evol.* 66 : 766–775.

- Nesi N., Kadjo B., Pourrut X., Leroy E., Pongombo Shongo C., Cruaud C. & **Hassanin A.** (2013). Molecular systematics and phylogeography of the tribe Myonycterini (Mammalia, Pteropodidae) inferred from mitochondrial and nuclear markers. *Mol. Phylogenet. Evol.* 66 : 126–137.

- Drexler J.F., Corman V.M., Müller M.A., Maganga G.D., Vallo P., Binger T., Gloza-Rausch F., Rasche A., Yordanov S., Seebens A., Oppong S., Sarkodie Y.A., Pongombo C., Lukashev A.N., Schmidt-Chanasit J., Stöcker A., Carneiro A.J., Erbar S., Maisner A., Fronhoffs F., Buettner R., Kalko E.K., Kruppa T., Franke C.R., Kallies R., Yandoko E.R., Herrler G., Reusken C., **Hassanin A.**, Krüger D.H., Matthee S., Ulrich R.G., Leroy E.M. & Drosten C. (2012) Bats host major mammalian paramyxoviruses. *Nat. Commun.* 3 : 796.

- Arabi J., Judson M.L.I., Deharveng L., Lourenço W.R., Cruaud C. & **Hassanin A.** (2012) Nucleotide composition of CO1 sequences in Chelicerata (Arthropoda) : detecting new mitogenomic rearrangements. *J. Mol. Evol.* 74 : 81–95.

- **Hassanin A.**, Delsuc F., Ropiquet A., Hammer C., Jansen van Vuuren B., Matthee C., Ruiz-Garcia M., Catzeflis F., Areskoug V., Nguyen T.T. & Couloux A. (2012) Pattern and timing of diversification of Cetartiodactyla (Mammalia, Laurasiatheria), as revealed by a comprehensive analysis of mitochondrial genomes. *C.R. Biol.* 335 : 32-50.

- Delsuc F., Superina M., Tilak M.-K., Douzery E.J.P. & **Hassanin A.** (2012) Molecular phylogenetics unveils the ancient evolutionary origins of the enigmatic fairy armadillos. *Mol. Phylogenet. Evol.* 62 : 673-680.

- Nesi N, Nakouné E, Cruaud C & **Hassanin A.** (2011) DNA barcoding of African fruit bats (Mammalia, Pteropodidae). The mitochondrial genome does not provide a reliable discrimination between *Epomophorus gambianus* and *Micropteropus pusillus*. *C.R. Biol.* 334 : 544-554.

- **Hassanin A.**, Bonillo C., Nguyen B.X. & Cruaud C. (2010) Comparisons between mitochondrial genomes of domestic goat (*Capra hircus*) reveal the presence of numts and multiple sequencing errors. *Mitochondr. DNA* 21 : 68-76.

- Arabi J., Cruaud C., Couloux A., & **Hassanin, A.** (2010) Studying sources of incongruence in arthropod molecular phylogenies : sea spiders (Pycnogonida) as a case study. *C.R. Biol.* 333 : 438-453.
- Cataudella R., Paolucci M., Delaunay C., Ropiquet A., **Hassanin A.**, Balsamo M. & Grandjean F. (2010) Genetic variability of *Austropotamobius italicus* in the Marches region : implications for conservation. *Aquat. Conserv.* 20 : 261-268.
- Ropiquet A., **Hassanin A.**, Pagacova E., Gerbault-Seureau M., Cernohorska H., Kubickoua S., Bonillo C., Rubes J. & Robinson T.J. (2010) A paradox revealed : karyotype evolution in the four-horned antelope occurs by tandem fusion (Mammalia, Bovidae, *Tetracerus quadricornis*). *Chromosome Res.* 18 : 277–286.
- **Hassanin A.**, Ropiquet A., Couloux A. & Cruaud C. (2009) Evolution of the mitochondrial genome in mammals living at high altitude : new insights from a study of the tribe Caprini (Bovidae, Antilopinae). *J. Mol. Evol.* 68 : 293-310.
- Ropiquet A., Li B. & **Hassanin A.** (2009) SuperTRI : a new approach based on branch support analyses of multiple independent data sets for assessing reliability of phylogenetic inferences. *C.R. Biol.* 332 : 832–847.
- Ropiquet A., Gerbault-Seureau M., Deuve J.L., Gilbert C., Pagacova E., Chai MN. Rubes J. & **Hassanin A.** (2008) Chromosome evolution in the subtribe Bovina (Mammalia, Bovidae) : The karyotype of the Cambodian banteng (*Bos javanicus birmanicus*) suggests that Robertsonian translocations are related to interspecific hybridization. *Chromosome Res.* 16 : 1107-18.
- Nguyen T.T., Aniskin V.M., Gerbault-Seureau M., Planton H., Renard J.P., Nguyen B.X., **Hassanin A.** & Volobouev V.T. (2008) Phylogenetic position of the saola (*Pseudoryx nghetinhensis*) inferred from cytogenetic analysis of eleven species of Bovidae. *Cytogenet Genome Res.* 122 : 41-54.
- **Hassanin A.**, Ropiquet A., Gourmand A.-L., Chardonnet B. & Rigoulet J. (2007) Mitochondrial DNA variability in *Giraffa camelopardalis* : consequences for taxonomy, phylogeography, and conservation of the giraffes in West and Central Africa. *C.R. Biol.* 330 : 265-74.
- **Hassanin A.** & Ropiquet A. (2007) Resolving a zoological mystery : the kouprey is a real species. *P. Roy. Soc. B-Biol. Sci.* 274 : 2849-55.
- **Hassanin A.** & Ropiquet A. (2007) What is the taxonomic status of the Cambodian banteng (*Bos javanicus*) and does it have close genetic links with the kouprey (*Bos sauveli*) ? *J. Zool.* 271 : 246-52.
- Duval L., Robert V., Csorba G., **Hassanin A.**, Randrianariveolosia M., Walston J., Nhim T., Goodman S.M. & Ariey F. (2007) Multiple host-switching of Haemosporidia parasites in bats. *Malaria J.* 6 : 157.

- Wittmann T.J., Biek R., **Hassanin A.**, Rouquet P., Reed P., Yaba P., Pourrut X., Real L.A., Gonzalez J.P. & Leroy E.M. (2007) Isolates of Zaire ebolavirus from wild apes reveal genetic lineage and recombinants. *Proc. Natl. Acad. Sci. U S A.* 104 : 17123-7.
- Gilbert C., O'Brien P.C., Bronner G., **Hassanin A.**, Ferguson-Smith M.A. & Robinson T.J. (2006) Chromosome painting and molecular dating indicate a low rate of chromosomal evolution in golden moles (Mammalia, Chrysochloridae). *Chromosome Res.* 14 : 793-803.
- Ropiquet A. & **Hassanin A.** (2006) Hybrid origin of the Pliocene ancestor of wild goats. *Mol. Phylogenet. Evol.* 41 : 395-404.
- Gilbert C., Ropiquet A., & **Hassanin A.** (2006) Mitochondrial and nuclear phylogenies of Cervidae (Mammalia, Ruminantia). *Systematics, morphology, and biogeography.* *Mol. Phylogenet. Evol.* 40 : 101-17.
- **Hassanin A.**, Ropiquet A., Cornette R., Tranier M., Pfeffer P., Candegabe P. & Lemaire M. (2006) Has the Kouprey (*Bos sauveli* Urbain, 1937) been domesticated in Cambodia ? *C.R. Biol.* 329 : 124-35.
- **Hassanin A.** (2006) Phylogeny of Arthropoda inferred from mitochondrial sequences : strategies for limiting the misleading effects of multiple changes in pattern and rates of substitution. *Mol. Phylogenet. Evol.* 38 : 100-16.
- Leroy E.M., Kumulungui B., Pourrut X., Rouquet P., **Hassanin A.**, Yaba P., Délicat A., Paweska J.T., Gonzalez J. P. & Swanepoel R. (2005) Fruit bats as reservoirs of Ebola virus. *Nature* 438 : 575-6.
- **Hassanin A.**, Léger N. & Deutsch J. (2005) Evidence for multiple reversals of asymmetric mutational constraints during the evolution of the mitochondrial genome of Metazoa and consequences for phylogenetic inferences. *Syst. Biol.* 54 : 277-98.
- Pons J.-M., **Hassanin A.** & Crochet P.A. (2005) Phylogenetic relationships within the Laridae (Charadriiformes : Aves) inferred from mitochondrial markers. *Mol. Phylogenet. Evol.* 37 : 686-99.
- Ropiquet A. & **Hassanin A.** (2005) Molecular evidence for the polyphyly of the genus *Hemitragus* (Mammalia, Bovidae). *Mol. Phylogenet. Evol.* 36 : 154-68.
- Ropiquet A. & **Hassanin A.** (2005) Molecular phylogeny of Caprines (Bovidae, Antilopinae) : the question of their origin and diversification during the Miocene. *J. Zool. Syst. Evol. Res.* 43 : 49-60.
- **Hassanin A.** & Ropiquet A. (2004) Molecular phylogeny of the tribe Bovini (Bovidae, Bovinae) and the taxonomic status of the kouprey, *Bos sauveli* Urbain, 1937. *Mol. Phylogenet. Evol.* 33 : 896-907.
- Golub R., André S., **Hassanin A.**, Affaticati P., Larijani M. & Fellah J.S. (2004) Early expression of two TdT isoforms in the hematopoietic system of the Mexican axolotl. Implications for the evolutionary origin of the N-nucleotides addition. *Immunogenetics* 56 : 204-13.

- **Hassanin A.** & Douzery E. (2003) Molecular and morphological phylogenies of Ruminantia, and the alternative position of the Moschidae. *Syst. Biol.* 52 : 206-28.
- Olson L.E. & **Hassanin A.** (2003) Contamination and chimerism are perpetuating the legend of the snake-eating cow with twisted horns (*Pseudonovibos spiralis*). A case study of the pitfalls of ancient DNA. *Mol. Phylogenet. Evol.* 27 : 545-8.
- Jager M., **Hassanin A.**, Manuel M., Le Guyader H. & Deutsch J. (2003) MADS-box genes in *Ginkgo biloba* and the evolution of the AGAMOUS family. *Mol. Biol. Evol.* 20 : 842-54.
- **Hassanin A.** (2002) Ancient Specimens and DNA Contamination : A Case Study from the 12S rRNA Gene Sequence of the “Linh Duong” bovid (*Pseudonovibos spiralis*). *Naturwissenschaften* 89 : 107-10.
- Bachali S., Jager M., **Hassanin A.**, Schoentgen F., Jollès P., Fiala-Medioni A. & Deutsch J. (2002) Phylogenetic analysis of invertebrate lysozymes and the evolution of lysozyme function. *J. Mol. Evol.* 54 : 652-64.
- **Hassanin A.**, Seveau A., Thomas H., Bocherens H., Billiou D. & Nguyen B.X. (2001) Evidence from DNA that the mysterious ‘linh duong’ (*Pseudonovibos spiralis*) is not a new bovid. *C.R. Acad. Sci. III.* 324 : 71-80.
- Thomas H., Seveau A. & **Hassanin A.** (2001) The enigmatic new indochinese bovid, *Pseudonovibos spiralis* : an extraordinary forgery. *C.R. Acad. Sci III.* 324 : 81-6.
- **Hassanin A.** (2001) Évolution des Séquences “Signal de Recombinaison” dans locus de la région variable de la chaîne lourde des immunoglobulines. *Med. Sci. (Paris).* 17 : 1168-75.
- **Hassanin A.** (2001) Did the “Linh Duong” bovid (*Pseudonovibos spiralis*) ever really exist ? In : Debate on the authenticity of *Pseudonovibos spiralis* as a new species of wild bovid from Vietnam and Cambodia. *J. Zool.* 255 : 437-44.
- Ravaux, J., **Hassanin A.**, Deutsch J., Gaill F. & Markmann-Mulisch U. (2001) Sequence analysis of the myosin regulatory light chain gene of the vestimentiferan *Riftia pachyptila*. *Gene* 263 : 141-9.
- **Hassanin A.** & Douzery E. (2000) Is the newly described bovid, *Pseudonovibos spiralis*, a chamois (genus *Rupicapra*) ? *Naturwissenschaften* 87 : 122-4.
- **Hassanin A.**, Golub R., Lewis S.M. & Wu G.E. (2000) Evolution of the recombination signal sequences in the immunoglobulin heavy chain variable region locus of mammals. *Proc. Natl. Acad. Sci. U S A.* 97 : 11415-20.
- **Hassanin A.** & Douzery E. (1999) Evolutionary affinities of the enigmatic Saola, (*Pseudoryx nghetinhensis*), in the context of the molecular phylogeny of Bovidae. *Proc. Biol. Sci.* 266 : 893-900.
- **Hassanin A.** & Douzery E. (1999) The tribal radiation of the family Bovidae (Artiodactyla) and the evolution of the mitochondrial cytochrome b gene. *Mol. Phylogenet. Evol.* 13 : 227-43.

- **Hassanin A.**, Pasquet E. & Vigne J.-D. (1998) Systematic relationships within the subfamily Caprinae (Artiodactyla, Bovidae) as determined from cytochrome b sequences. *J. Mammal. Evol.* 5 : 217-36.

- **Hassanin A.**, Lecointre G. & Tillier S. (1998) The 'evolutionary signal' of homoplasy in protein-coding gene sequences and its phylogenetic consequences for weighting in phylogeny. *C.R. Acad. Sci. III.* 321 : 611-20.