



## **VIDENSKABELIGE PUBLIKATIONER I 2020**

Burton J, C Bailey, Y Yonathan, J Andrews, I Chandra, J Forys, M Fitzpatrick, L Frantz, AH Mustari, J Holland, T Hornsey, A Humphreys, C Hvilsom, K Leus, S Metzler, S Pentawati, EJ Rode-Margono, T Rowlands, G Semiadi, C Smith, T Sumampau, C Traeholt, K Traylor-Holzer, Y Tri Hastuti, L Tumbelaka, S Young. Progress of the Action Indonesia GSMPs 2016–2020: Global collaboration to conserve the anoa, banteng, babirusa and Sumatran tiger. *BULLETIN*. 2020, 5, 41–55.

Chawana R, N Patzke, A Bhagwandin, C Kaswera-Kyamakya, E Gilissen, MF Bertelsen, J Hemingway, PR Manger. Adult hippocampal neurogenesis in Egyptian fruit bats from three different environments: are interpretational variations due to the environment or methodology? *Journal of Comparative Neurology* 2020 528(17):2994–3007.

Chengetanai S, A Bhagwandin, MF Bertelsen, T Haard, P Hof, M Spoeter, PR Manger. The brain of the African wild dog. II. The olfactory system. *Journal of Comparative Neurology* 2020, 528(18):3285–3304.

Chengetanai S, A Bhagwandin, MF Bertelsen, T Haard, P Hof, M Spoeter, PR Manger. The brain of the African wild dog. III. The auditory system. *Journal of Comparative Neurology* 2020, 528(18):3229–3244.

Chengetanai S, A Bhagwandin, MF Bertelsen, T Haard, P Hof, M Spoeter, PR Manger. The brain of the African wild dog. IV. The visual system. *Journal of Comparative Neurology* 2020, 528(18):3262–3284.

Chengetanai S, J Tenley, MF Bertelsen, T Haard, A Bhagwandin, M Haagensen, Mark, C Tang, V Wang, B Wicinski, P Hof, PR Manger, M Spoeter. The brain of the African wild dog. I. Anatomy, architecture, and volumetrics. *Journal of Comparative Neurology* 2020, 528(18):3245–3261.

Da Silva MO, JT Gade, C Damsgaard, T Wang, S Heegaard, MF Bertelsen. Morphology and evolution of the snake cornea. *Journal of Morphology* 2020; 281(2):240–249.

Dams J, K Leus, W Van Lint. Planning for a pheasant's future. *Zooquaria* 2020, 109: 18–19.

Feng S, Stiller J, Deng Y, Armstrong J, Fang Q, Reeve AH, Xie D, Chen G, Guo C, Faircloth BC, Petersen B, Wang Z, Zhou Q, Diekhans M, Chen W, Andreu-Sánchez S, Margaryan A, Howard JT, Parent C, Pacheco G, Sinding MS, Puetz L, Cavill E, Ribeiro ÂM, Eckhart L, Fjeldså J, Hosner PA, Brumfield RT, Christidis L, Bertelsen MF, Sicheritz-Ponten T, Tietze DT, Robertson BC, Song G, Borgia G, Claramunt S, Lovette IJ, Cowen SJ, Njoroge P, Dumbacher JP, Ryder OA, Fuchs J, Bunce M, Burt DW, Cracraft J, Meng G, Hackett SJ, Ryan PG, Jønsson KA, Jamieson IG, da Fonseca RR, Braun EL, Houde P, Mirarab S, Suh A, Hansson B, Ponnikas S, Sigeman H, Stervander M, Frandsen PB, van der Zwan H, van der Sluis R, Visser C, Balakrishnan CN, Clark AG, Fitzpatrick JW, Bowman R, Chen N, Cloutier A, Sackton TB, Edwards SV, Foote DJ, Shakya SB, Sheldon FH, Vignal A, Soares AER, Shapiro B, González-Solís J, Ferrer-Obiol J, Rozas J, Riutort M, Tigano A, Friesen V, Dalén L, Urrutia AO, Székely T, Liu Y, Campana MG, Corvelo A, Fleischer RC, Rutherford KM, Gemmell NJ, Sussex N, Mouritsen H, Thiele N, Delmore K, Liedvogel M, Franke A, Hoeppner MP, Krone O, Fudickar AM, Milá B, Ketterson ED, Fidler AE, Friis G, Parody-Merino ÁM, Battley PF, Cox MP, Lima NCB, Prosdocimi F, Parchman TL, Schlinger BA, Loiselle BA, Blake JG, Lim HC, Day LB, Fuxjager MJ, Baldwin MW, Braun MJ, Wirthlin M, Dikow RB, Ryder TB, Camenisch G, Keller LF, DaCosta JM, Hauber ME, Louder MIM, Witt CC, McGuire JA, Mudge J, Megna LC, Carling MD, Wang B, Taylor SA, Del-Rio G, Aleixo A, Vasconcelos ATR, Mello CV, Weir JT, Haussler D, Li Q, Yang H, Wang J, Lei F, Rahbek C, Gilbert MTP, Graves GR, Jarvis ED, Paten B, Zhang G. Dense sampling of bird diversity increases power of comparative genomics. *Nature* 2020 Nov;587(7833):252-257.

Fienig E, K Leus, D de Man, R van der Meer. 2020. Shifting the population management paradigm. *Zooquaria* 108: 18-19.

Fomsgaard A, SL Bornbusch, GL Bueno, E Noromalala, M Poulsen, M Rasmussen, MW Rosenstierne, CR Stensvold, P Wright, C Hvilsted. Prevalence, infection intensity and genotyping of *Giardia duodenalis* in ring-tailed lemurs *Lemur catta* from European zoos and wild populations. *Journal of Zoo and Aquarium Research*. 2020, 8 (4), 253–258.

Frandsen P, C Fontsere, SV Nielsen, K Hanghøj, N Castejon-Fernandez, E Lizano, D Hughes, J Hernandez-Roriquez, TS Korneliussen, F Carlsen, HR Siegismund, T Mailund, T Marques-Bonet, C Hvilsted. Targeted conservation genetics of the endangered chimpanzee. *Heredity*. 2020, 125, 15-27.

Frandsen P, P Johansen P, F Carlsen, C Hvilsted. Genetic diagnosis of trisomy 21 in chimpanzees (*Pan troglodytes*). *Primates*. 2020, 61 (3), 347-350.

Glatston AR, K Leus. 2020. Global captive masterplan (2020-2025) for the Red Panda (*Ailurus fulgens*) *fulgens* and *Ailurus (fulgens) styanii*; Global Species Management Plan. Rotterdam Zoo, Rotterdam.

**Greunz EM, K Lemberger, J Catinaud, B Chenet, RP Linke, JH Bräsen, J Schmitz, MF Bertelsen.** Amyloidosis in caracals (*Caracal caracal*). *Journal of Zoo and Wildlife Medicine*. 2020 Mar 17;51(1):202-209.

**Hermann K, K Leus, EB Ruivo, M Stevenson, D Wormell.** Global Integrated Collection Assessment and Planning (ICAP) Workshop for Callitrichidae. *WAZA News* 2020(2):36-40.

**Ito M, AA Macdonald, K Leus, IW Balik, IWGB Arimbawa, Y Hasegawa, IDGA Atmaja.** Coconut feeding of the Babirusa (*Babirousa spp.*). *Jpn J Zoo Wildl Med* 2020, 25(3): 91-100.

**Kapic T, T Rahde, L Pinceel, H Jacken, I Roels, PT Anh, J Corder, K Leus, W van Lint, N Hausen.** Long-term management plan for the Vietnam pheasant (*Lophura edwardsi*) Global Ex situ Programme. 2020. European Association of Zoos and Aquaria: Amsterdam.

**Lovestad J, HV Nielsen, MF Bertelsen.** Fatal aberrant parasite migration of *Echinuria uncinata* in two African pygmy geese (*Nettapus auritus*). *Journal of Avian Medicine and Surgery*. 2020, 34(4):390-395.

**Perrin KL, AT Kristensen, C Gray, SS Nielsen, MF Bertelsen, M Kjelgaard-Hansen.** Biological variation of hematology and biochemistry parameters for the Asian elephant (*Elephas maximus*), and applicability of population-derived reference intervals. *Journal of Zoo and Wildlife Medicine*, 2020, 51(3):643-651.

**Perrin KL, Schiffmann C.** Can increased exposure to EEHV shedding protect Asian elephant (*Elephas maximus*) calves from fatal disease? *Proceedings of the Elephant Managers Association annual conference*, Oct 2020.

**Phalan B, AEA Barbosa, CSS Bernardo, P Bosso, FG Chaves, LLC Corrêa, C Croukamp, P Develey, KC Fernandes, W Girão, ARF Gomes, M Gomes, G Gonsioroski, K Leus, F Nunes, F Olmos, PI Pina, FL Rocha, C Ruiz-Miranda, P Scherer, M Silva, AEBA Sousa, A Tassoni, K Traylor-Holzer, F Ubaid, T Valtuille.** Ex situ assessment for integrated conservation planning for Galliformes and Tinamiformes in Brazil. *IUCN SSC Conservation Planning Specialist Group – Brazil*. 2020. Foz do Iguaçu, Paraná.

**Pillay S, A Bhagwandin, MF Bertelsen, N Patzke, G Engler, AK Engel, PR Manger.** The diencephalon of two carnivore species: the feliform banded mongoose and the caniform domestic ferret. *Journal of Comparative Neurology* 2020. DOI: 10.1002/cne.25036.

**Pillay S, A Bhagwandin, MF Bertelsen, N Patzke, G Engler, AK Engel, PR Manger.** The hippocampal formation of two carnivore species: the feliform banded mongoose and the caniform domestic ferret. *Journal of Comparative Neurology* 2020. DOI: 10.1002/cne.25047.

**Pillay S, A Bhagwandin, MF Bertelsen, N Patzke, G Engler, AK Engel, PR Manger.**  
The amygdaloid body of two carnivore species: The feliform banded mongoose and the caniform domestic ferret. *Journal of Comparative Neurology* 2020. DOI: 10.1002/cne.25046.

**Power ML, S Power, MF Bertelsen, G Jones, EC Teeling.** Wing: A suitable non-lethal tissue type for repeatable and rapid telomere length estimates in bats. *Molecular Ecology Resources* 2020. DOI: 10.1111/1755-0998.13276.

**Rasmussen LV, S Ellegaard.** Natterjack Toad conservation in Denmark - a project for toads and humans. *Amphibian Ark Newsletter*, 2020, 50:5-7.

**Schmidt NM, C Grøndahl, AL Evans, JP Desforges, J Blake, LH Hansen, LT Beumer, JB Mosbacher, M Stelvig, EM Greunz EM, M Chimienti, FM van Beest.** On the interplay between hypothermia and reproduction in a high arctic ungulate. *Scientific Reports* 2020 Jan 30;10(1):1514.

**Simpson B, A Ampeng, C Traeholt.** Mammal diversity in the Tama Abu production forest, Heart of Borneo, Sarawak. *Proceedings of the Heart of Borneo, Series 5*, 2020, 67-80.

**Simpson B, N Nasaruddin, C Traeholt, SM Nor.** Mammal diversity at artificial saltlicks in Malaysia: A targeted use. *Front. Environ. Sci.* 2020, 8: 556877. doi:10.3389/fenvs.2020.556877.

**Traeholt C, B Dahlen, E Meijaard, M Ancrenaz.** Systematic Literature Review to Develop Recommendations on the Management and Monitoring of HCVs in Oil Palm Landscapes. RSPO Kuala Lumpur, Malaysia. 2020. 51pp.

**Welden HLÅ, M Stelvig, CK Nielsen, C Purcell, L Eckley, MF Bertelsen, C Hvilsom.** The contributions of EAZA zoos and aquariums to peer-reviewed scientific research. *Journal of Zoo and Aquarium Research* 2020;8(2):133-138.

**Williams C, CL Malte, H Malte, MF Bertelsen, T Wang.** Ectothermy and cardiac shunts profoundly slow the equilibration of inhaled anaesthetics in a multi-compartment model. *Scientific Reports* Oct 13;10(1):17157.

**Xuanji L, U Trivedi, AD Brejnrod, GA Vestergaard, MS Mortensen, MF Bertelsen, SJ Sørensen.** The microbiome of captive hamadryas baboon. *Animal Microbiome* 2020 Jul 16;2(1):25. doi: 10.1186/s42523-020-00040-w