

Section 20.1

Blackburn DG, Flemming AF (2012). Invasive implantation and intimate placental associations in a placentotrophic African lizard, *Trachylepis ivensi* (Scincidae). *Journal of Morphology* 273: 137–159.

Fisher DO, Dickman CR, Jones ME, Blomberg SP (2013). Sperm competition drives the evolution of suicidal reproduction in mammals. *Proceedings of the National Academy of Sciences of the United States of America* 110: 17910–17914.

Franke H-D (1999). Reproduction of the Syllidae (Annelida: Polychaeta). *Hydrobiologia* 402: 39-55.

Freyer C, Zeller U, Renfree MB (2003). The marsupial placenta: a phylogenetic analysis. *Journal of Experimental Zoology A Comparative and Experimental Biology* 299: 59–77.

Guillette LJ Jr., Gunderson MP (2001). Alterations in development of reproductive and endocrine systems of wildlife populations exposed to endocrine-disrupting contaminants. *Reproduction* 122: 857–864.

Jacob A, Gantenbein I, Braunwalder ME, Nentwig W, Kropf C (2004). Morphology and function of male genitalia (spermatophores) in *Euscorpius italicus* (Euscorpiidae, Scorpiones): complex spermatophore structures enable safe sperm transfer. *Journal of Morphology* 260: 72–84.

Randall CF, Bromage NR, Duston J, Symes J (1998). Photoperiod-induced phase-shifts of the endogenous clock controlling reproduction in the rainbow trout: a circannual phase-response curve. *Journal of Reproduction and Fertility* 112:399–405.

Robb GN, McDonald RA, Chamberlain DE, Reynolds SJ, Harrison TJE, Bearhop S (2008). Winter feeding of birds increases productivity in the subsequent breeding season. *Biology Letters* 4: 220–223.

Ross LK (2009). Notes and observations on courtship and mating in *Tityus (Atreus) magnimanus* Pocock, 1897 (Scorpiones: Buthidae). *Journal of Venomous Animals and Toxins including Tropical Diseases* 15: 43–53.

Section 20.2

**Butler, Brown, Stephenson & Speakman, *Animal Physiology*
Primary Research Articles**

Barske LA, Capel B (2010). Estrogen represses SOX9 during sex determination in the red-eared slider turtle *Trachemys scripta*. *Developmental Biology* 341:305–314.

Bull JJ (1985). Sex ratio and nest temperature in turtles: comparing field and laboratory data. *Ecology* 66: 1115–1122.

Crain DA, Guillette LJ Jr. (1998). Reptiles as models of contaminant-induced endocrine disruption. *Animal Reproduction Science* 53: 77–86.

DeGregorio BA, Williard AS (2011). Incubation temperatures and metabolic heating of relocated and in situ loggerhead sea turtle (*Caretta caretta*) nests at a northern rookery. *Chelonian Conservation and Biology* 10: 54–61.

Feral C, Le Gall S, Martin M-C, Lengronne C (1987). The neuroendocrine mechanism responsible for sex inversion of the gonad in the protandrous hermaphroditic mollusc, *Crepidula fornicata* L. *General and Comparative Endocrinology* 65: 432–438.

Ferguson MWJ, Joanen T (1982). Temperature of egg incubation determines sex in *Alligator mississippiensis*. *Nature* 296: 850–853.

Hamilton SL, Wilson JR, Ben-Horin T, Caselle JE (2011). Utilizing spatial demographic and life history variation to optimize sustainable yield of a temperate sex-changing fish. *PLoS One* 6: e24580.

Moreno-Mendoza N, Harley VR, Merchant-Larios H (1999). Differential expression of SOX9 in gonads of the sea turtle *Lepidochelys olivacea* at male- or female-promoting temperatures. *Journal of Experimental Zoology* 284: 705–710.

Nelson NJ, Moore JA, Pillai S, Keall SN (2010). Thermosensitive period for sex determination in the tuatara. *Herpetological Conservation and Biology* 5: 324–329.

Proestou DA, Goldsmith MR, Twombly S (2008). Patterns of male reproductive success in *Crepidula fornicata* provide new insight for sex allocation and optimal sex change. *Biological Bulletin* 214: 194–202.

Radder RS, Quinn AE, Georges A, Sarre SD, Shine R (2008). Genetic evidence for co-occurrence of chromosomal and thermal sex-determining systems in a lizard. *Biology Letters* 4: 176–178.

Warner DA, Shine R, (2011). Interactions among thermal parameters determine offspring sex under temperature-dependent sex determination. *Proceedings of the Royal Society B. Biological Sciences* 278: 256–265.

Witt MJ, Hawkes LA, Godfrey MH, Godley BJ, Broderick AC (2010). Predicting the impacts of climate change on a globally-distributed species: the case of the loggerhead turtle. *The Journal of Experimental Biology* 213: 901–911.

Section 20.3

Beaupré CE, Tressler CJ, Beaupré SJ, Morgan JLM, Bottje WG, Kirby JD (1997). Determination of testis temperature rhythms and effects of constant light on testicular function in the domestic fowl (*Gallus domesticus*). *Biology of Reproduction* 56: 1570–1575.

Li C, Littlejohn RP, Corson ID, Suttie JM (2003). Effects of testosterone on pedicle formation and its transformation to antler in castrated male, freemartin and normal female red deer (*Cervus elaphus*). *General and Comparative Endocrinology* 131: 21–31.

O'Shaughnessy PJ, Monteiro A, Verhoeven G, De Gendt K, Abel MH (2010). Effect of FSH on testicular morphology and spermatogenesis in gonadotrophin-deficient hypogonadal mice lacking androgen receptors. *Reproduction* 139: 177–184.

Pabst DA, Rommel SA, McLellan WA, Williams TM, Rowles TK (1995). Thermoregulation of the intra-abdominal testes of the bottlenose dolphin (*Tursiops truncatus*) during exercise. *The Journal of Experimental Biology* 198: 221–226.

Ritschard M, Laucht S, Dale J, Brumm H (2011). Enhanced testosterone levels affect singing motivation but not song structure and amplitude in Bengalese finches. *Physiology and Behaviour* 102: 30–35.

Roelants H, Schneider F, Göritz F, Streich J, Blottner S (2002). Seasonal changes of spermatogonial proliferation in roe deer, demonstrated by flow cytometric analysis of *c-kit* receptor, in relation to follicle-stimulating hormone, luteinizing hormone, and testosterone. *Biology of Reproduction* 66: 305–312.

Rommel SA, Pabst DA, McLellan WA, Williams TM, Friedl WA (1994). Temperature regulation of the testes of the bottlenose dolphin (*Tursiops truncatus*): evidence from colonic temperatures. *Journal of Comparative Physiology B* 164: 130–134.

Section 20.4

Niikura Y, Niikura T, Tilly JL (2009). Aged mouse ovaries possess rare premeiotic germ cells that can generate oocytes following transplantation into a young host environment. *Aging* 1: 971–978.

Ratto MH, Leduc YA, Valderrama XP, van Straaten KE, Delbaere LTJ, Pierson RA, Adams GP (2012). The nerve of ovulation-inducing factor in semen. *Proceedings of the National Academy of Sciences of the United States of America* 109: 15042–15047.

Tanco VM, Ratto MH, Lazzarotto M, Adams GP (2011). Dose-response of female llamas to ovulation-inducing factor from seminal plasma. *Biology of Reproduction* 85:452–456.

White YAR, Woods DC, Takai Y, Ishihara O, Seki H, Tilly JL (2012). Oocyte formation by mitotically active germ cells purified from ovaries of reproductive-age women. *Nature Medicine* 18: 413–421.

Section 20.5

Burkart AD, Xiong B, Baibakov B, Jiménez-Movilla M, Dean J (2012). Ovastacin, a cortical granule protease, cleaves ZP2 in the zona pellucida to prevent polyspermy. *Journal of Cell Biology* 197: 37–44.

Crichton EG, Hinton BT, Pallone PL, Hammerstedt RH (1994). Hyperosmolality and sperm storage in hibernating bats: prolongation of sperm life by dehydration. *American Journal of Physiology* 267 (Regulatory, Integrative and Comparative Physiology 36): R1363–1370.

Drews B, Roellig K, Menzies BR, Shaw G, Buentjen I, Herbert CA, Hildebrandt TB, Renfree MB (2013). Ultrasonography of wallaby prenatal development shows that the climb to the pouch begins in utero. *Scientific Reports* 3: 1458

Franklin LE (1965). Morphology of gamete membrane fusion and of sperm entry into oocytes of the sea urchin. *Journal of Cell Biology* 25: 81–100.

Hinds LA (1989). Morning pulse of prolactin maintains seasonal quiescence in the tammar, *Macropus eugenii*. *Journal of Reproduction & Fertility* 87: 735–744.

Kovalevskaya G, Birken S, Kakuma T, O'Connor JF (1999). Early pregnancy human chorionic gonadotropin (hCG) isoforms measured by an immunometric assay for choriocarcinoma-like hCG. *Journal of Endocrinology* 161: 99–106.

McConnell SJ, Tyndale-Biscoe CH, Hinds LA (1986). Change in duration of elevated concentrations of melatonin is the major factor in photoperiod response of the tammar, *Macropus eugenii*. *Journal of Reproduction & Fertility* 77: 623–632.

Menzies BR, Pask AJ, Renfree MB (2011). Placental expression of pituitary hormones is an ancestral feature of therian mammals. *EvoDevo* 2: 16.

Ravaglia MA, Maggese MC (2002). Oogenesis in the swamp eel *Synbranchus marmoratus* (Bloch, 1795) (Teleostei; synbranchidae). Ovarian anatomy, stages of oocyte development and micropyle structure. *Biocell* 26: 325–337.

Section 20.6

Booth W, Johnson DH, Moore S, Schal C, Vargo EL (2011). Evidence for viable, non-clonal but fatherless Boa constrictors. *Biology Letters* 7: 253–256.

Chapman DD, Firchau B, Shivji MS (2008). Parthenogenesis in a large-bodied requiem shark, the blacktip *Carcharhinus limbatus*. *Journal of Fish Biology* 73: 1473–1477.

Robinson DP, Baverstock W, Al-Jaru A, Hyland K, Khazanehdari KA (2011). Annually recurring parthenogenesis in a zebra shark *Stegostoma fasciatum*. *Journal of Fish Biology* 79: 1376–1382.

Watts PC, Buley KR, Sanderson S, Boardman W, Ciofi C, Gibson R (2006). Parthenogenesis in Komodo dragons. *Nature* 444: 1021–1022.