

**Tim D. Braden,
PhD**
*Selected
Publications*

Qin G, Qin Z, Ye Z, Elaswad A, Su B, Lu C, Li H, Zhang Y, Huang Y, Shi H, Gosh K, Abass NY, Vo K, Odin R, Bugg W, Backenstose N, Drescher D, Taylor Z, **Braden T**, Dunham R. 2020. Gene editing of catfish gonadotropin-releasing hormone gene and hormone therapy to control the reproduction in Channel catfish, *Ictalurus punctatus*. *Scientific Reports (in revision)*.

Jensen R, Johnson A, Wilborn R, **Braden TD**, Kutzler M, Roberts S, Van Kampen K, Trumble J, Baker HJ. 2020. Adenoviral vectored gonadotropin releasing hormone vaccine for estrus suppression in mares. *Clinical Theriogenology (submitted)*.

Samoylova TI, **Braden TD**, Spencer JA, Bartol FF. 2017. [Immunocontraception: filamentous bacteriophage as a platform for vaccine development](#). *Current Med Chem* 24:1-14.

Walz PH, Montgomery T, Passler T, Riddell KP, **Braden TD**, Zhang Y, Galik PK, Zuidhof S. 2015. [Comparison of reproductive performance in primiparous dairy cattle following administration with either modified-live or killed multivalent viral vaccines in early lactation](#). *J Dairy Science* 98:1-11.

Abdel-Maksoud FM, Leasor KR, **Braden TD**, Akingbemi, BT. 2015. [Prenatal exposure of male rats to the environmental chemicals bisphenol A and di\(2-ethylhexyl\) phthalate impacts the sexual differentiation process](#). *Endocrinology* 156(12):4672-4683

Dujovne GA, Johnson AK, Wilborn RR, Palomares RA, Wooldridge AA, **Braden TD**. 2015. Use of etonogestrel to suppress estrous behavior in mares. 2015. *Clinical Theriogenology* 7(1):35-44.

Walz PH, Edmondson MA, Riddell KP, **Braden TD**, Gard JA, Bayne J, Joiner KS, Galik PK, Zuidhof S, Givens MD. 2015. [Effect of vaccination with a multivalent modified-live viral vaccine on reproductive performance in synchronized beef heifers](#). *Theriogenology* 83(5):822-831.

Okumu LA, **Braden TD**, Vail K, Simon L, Goyal HO. 2014. [Low androgen-induced penile mal-development involves altered gene expression for biomarkers for smooth muscle differentiation and a key enzyme regulating cavernous smooth muscle cell tone](#). *J Urol* 192:267-273.

Nanjappa MK, Ahuja M, Dhanasekaran M, Coleman ES, **Braden TD**, Bartol FF, Bird RC, Wanders D, Judd RL, Akingbemi B. 2014. [Bisphenol A regulation of testicular endocrine function in male rats is affected by diet](#). *Toxicol Lett* 225:479-487, 2014.

Okuma LA, Bruinton S, **Braden TD**, Simon L, Goyal HO. 2012. [Estrogen-induced mal-development of the penis involves down-regulation of myosin heavy chain 11 \(MYH11\) expression, a marker for smooth muscle cell differentiation](#). *Biol Reprod* 87 (5) 109:1-10 (doi:10.1095/biolreprod.112.103556).

Simon L, Avery L, **Braden TD**, Williams CS, Okumu L, Williams JW, Goyal HO. 2012. [Exposure of neonatal rats to anti-androgens induces penile mal-developments and infertility comparable to those induced by estrogens](#). Int J Androl 35:364-376, 2012.

Braden TD. [Follicular Life, Death, and Perpetuity](#). 2012. Biol Reprod 87(1):21, 1-2.

Hancock KD, Coleman ES, Tao Y-X, Morrison EE, **Braden TD**, Kemppainen BW, Akingbemi BT. 2009. [Genistein decreases androgen biosynthesis in immature rat Leydig cells by interference with luteinizing hormone-dependent signaling](#). Toxicol Lett 184:169-175, 2009.

Heath JC, Abdelmageed Y, **Braden TD**, Nichols AC, Steffy DA. 2009. [The effects of chronic ingestion of mercuric chloride in female Sprague Dawley rats on fertility and reproduction](#). Food Chem Toxicol 47:1600-1605, doi:10.1016/j.fct.2009.04.007.

Goyal HO, **Braden TD**, Williams CS, Williams JW. 2009. [Estrogen-induced developmental disorders of the penis involves both estrogen receptor \(Esr\)- and androgen receptor \(Ar\)-mediated pathways](#). Biol Reprod 81:507-516 doi:10.1095/biolreprod.108.071951).

Mathews E, **Braden TD**, Williams CS, Williams JW, Bolden-Tiller O, Goyal HO. 2009. [Mal- development of the penis and loss of fertility in male rats treated neonatally with female contraceptive 17a-ethynodiol \(EE\). A dose-response study and a comparative study with a known estrogenic teratogen diethylstilbestrol \(DES\)](#). Toxicol Sci (doi:10.1093/toxsci/kfp207).

Goyal HO, **Braden TD**, Cooke PS, Zakroczymski MA, Williams CS, Palvi P, Williams JW. 2007. [Estrogen receptor-a mediates estrogen-inducible abnormalities in the developing penis](#). Reproduction 133:1057-1067.

Akingbemi BT, **Braden TD**, Kemppainen BW, Hancock KD, Sherrill JD, Fogley SJ, He X, Supko JG. 2007. [Exposures to phytoestrogens in the perinatal period affect androgen biosynthesis in the adult rat testis](#). Endocrinology 148:4475-4488.

Goyal HO, **Braden TD**, Williams CS, Williams JW. 2007. [Role of estrogen in induction of penile dysmorphogenesis: a review](#). Reproduction 134:199-208.

Goyal HO, **Braden TD**, Williams CS, Dalvi P, Mansour MM, Williams JW. 2005. [Permanent induction of morphological abnormalities in the penis and penile skeletal muscles in adult rats treated neonatally with diethylstilbestrol or estradiol valerate: A dose-response study](#). J Androl 26:32-43.

Goyal HO, **Braden TD**, Williams CS, Dalvi P, Williams JW, Srivastava KK. 2004. [Exposure of neonatal male rats to estrogen induces abnormal morphology of the penis and loss of fertility](#). Reprod Toxicol 18:265-274.

Goyal HO, **Braden TD**, Williams CS, Dalvi P, Mansour M, Mansour M, Williams JW, Bartol F, Wiley A, Birch L, Prins G. 2004. [Abnormal morphology of the penis in male rats exposed neonatally to estrogen is associated with altered profile of estrogen receptor alpha protein, but not of androgen receptor protein. A developmental and immunocytochemical study](#). Biol Reprod 70:1504-1517.