

First author peer review publications ZhiChao Dang

- **Dang Z.C.** Fish biomarkers for regulatory identification of endocrine disrupting chemicals *Environmental Pollution*, 2013 accepted.
- **Dang Z.C.** Cheng Y., Chen H.M., Cui Y., Yin H.H., Traas T., Montforts M., and Vermeire T. Evaluation of the *Daphnia magna* reproduction test for detecting endocrine disrupters. *Chemosphere*, 2012, 88, 514-523.
- **Dang Z.C.** Traas T., Vermeire T. Evaluation of the fish short term reproduction assay for detecting endocrine disrupters. *Chemosphere*, 2011, 85, 1592-1603.
- **Dang Z.C.** Li K., Yin H.W. Hakkert B., and Vermeire T. Endpoint sensitivity in fish endocrine disrupter assays: regulatory implication. *Toxicology letters*, 2011, 202, 36-46.
- **Dang Z.C.** Ru. S.G., Wang W., Roije E., Hakkert B., and Vermeire T. Comparison of chemical-induced transcriptional activation of fish and human estrogen receptors: regulatory implications. *Toxicology letters*. 2011, 201, 152-175.
- **Dang Z.C.** Comparison of relative binding affinities to fish and mammalian estrogen receptors: the regulatory implications. *Toxicology letters*. 2010, 192, 298-315.
- **Dang Z.C.** Dose-dependent effects of soy phyto-oestrogen genistein on adipocytes: mechanisms of action. *Obesity Review*. 2009, 10, 342-349.
- **Dang Z.C.**, Rorije E., Hogen Esch T., Muller A., Hakkert B.C., and Piersma A. H. Retrospective analysis of relative parameter sensitivity in multi-generation reproductive toxicity studies. *Reproductive Toxicology* 2009, 28, 196-202.
- **Dang Z.C.** and Löwik C. Dose-dependent effects of phytoestrogens on bone: molecular mechanisms, review paper, *Trends in Endocrinology and Metabolism*. 2005, 16, 207-213.
- **Dang Z.C.** and Löwik C. Differential effects of charcoal-stripped serum on adipogenesis. *Molecular and Cellular Biochemistry*. 2005, 268, 159-167.
- **Dang Z.C.** and Löwik C. The balance between concurrent activation of ERs and PPARs determines daidzein-induced osteogenesis and adipogenesis. *Journal of Bone and Mineral Research*. 2004, 19, 853-861.
- **Dang Z.C.** and Löwik C. Differential effects of MAPK inhibitors PD98059 and U0126 on osteogenesis and adipogenesis. *Journal of Cellular Biochemistry*. 2004, 92, 525-533.
- **Dang Z.C.** Audinot V., Papapoulos S. Boutin J.A., and Löwik C. Peroxisome proliferator-activated receptor γ (PPAR γ) as a molecular target for the soy phytoestrogen genistein. *Journal of Biological Chemistry*. 2003, 278, 962-967.
- **Dang Z.C.** R.L. van Bezooijen, M. Karperien, S. Papapoulos and C. Löwik. Exposure of mesenchymal progenitor cells to estrogen stimulates osteogenesis and inhibits adipogenesis. *Journal of Bone and Mineral Research*. 2002, 17, 394-405.
- **Dang Z.C.** Papapoulos S., Lowik C, Genistein enhances osteogenesis and concurrently inhibits adipogenesis of mesenchymal progenitor cells. *Annals of Nutrition & Metabolism*, 2001, 45, 228-229
- **Dang Z.C.**, Berntssen, M.H.G., Lundebye, A.K., Lock R.A.C., Flik G., Wendelaar Bonga S.E. Dietary cadmium, metallothionein and cortisol receptor expression in gills of Atlantic salmon, *Salmo salar*. *Aquatic Toxicology*. 2001, 53, 91-101.

- **Dang Z.C.**, Lock R.A.C., Flik G., Wendelaar Bonga S.E. Na⁺/K⁺-ATPase immunoreactivity in branchial chloride cells of *Oreochromis mossambicus* exposed to copper. *Journal of Experimental Biology*. 2000, 203, 379-387.
- **Dang Z.C.**, Balm, P.H.M., Flik G., Wendelaar Bonga S.E., Lock R.A.C. Cortisol increases Na⁺/K⁺-ATPase density in plasma membranes of gill chloride cells in the freshwater tilapia *Oreochromis mossambicus*. *Journal of Experimental Biology*. 2000, 203, 2349-2355.
- **Dang Z.C.**, Flik G., Ducouret B, Hogstrand C, Wendelaar Bonga S.E., Lock R.A.C. Effects of Cu on cortisol receptor and metallothionein expression in gills of *Oncorhynchus mykiss*. *Aquatic Toxicology*. 2000, 51, 45-54.
- **Dang Z.C.**, Lock R.A.C., Flik G., Wendelaar Bonga S.E. The metallothionein response in gills of *Oreochromis mossambicus* exposed to copper in fresh water. *American Journal of Physiology*. 1999, 277, R320-331.