

## LATA 2010-2014

### 2014

1. **Hexachlorobenzene and pentachlorobenzene accumulation, metabolism and effect on steroid secretion and on CYP11A1 and CYP19 expression in cultured human placental tissue.** Gregoraszczyk EL, Ptak A, Karpeta A, Fiedor E, Wróbel A, Milewicz T, Falandysz J. *Reprod Toxicol*. 2014 Jan;43:102-10.
2. **Valproic acid, but not levetiracetam, selectively decreases HDAC7 and HDAC2 expression in human ovarian cancer cells.** Kwiecińska P, Wróbel A, Taubøll E, Gregoraszczyk EL. *Toxicol Lett*. 2014 Jan 13;224(2):225-32.
3. **A role for resistin in the ovary during the estrous cycle.** Rak-Mardyła A, Duda M, Gregoraszczyk EL. *HormMetab Res*. 2014 Jun;46(7):493-8.
4. **The Toxicological effects of Halogenated Naphthalenes: A Review of Aryl Hydrocarbon Receptor-Mediated(Dioxin-like) Relative Potency Factors.** Falandysz J, Fernandes A, Gregoraszczyk E, Rose M. *The Toxicological J Environ Sci Health C Environ CarcinogEcotoxicol Rev*. 2014 Jul 3;32(3):239-72.
5. **Actions of methyl-, propyl- and butylparaben on estrogen receptor- $\alpha$  and - $\beta$  and the progesterone receptor in MCF-7 cancer cells and non-cancerous MCF-10A cells.** Wróbel AM, Gregoraszczyk EL. *ToxicolLett*. 2014 Aug 13;230(3):375-381.
6. **Different action of 2,2',4,4'-tetrabromodiphenyl ether (BDE-47) and its hydroxylated metabolites on ER $\alpha$  and ER $\beta$  gene and protein expression.** Karpeta A, Ptak A, Gregoraszczyk EL. *ToxicolLett*. 2014 Aug 17;229(1):250-6.
7. **Effects of individual polychlorinated naphthalene (PCN) components of Halowax 1051 and two defined, artificial PCN mixtures on AHR and CYP1A1 protein expression, steroid secretion and expression of enzymes involved in steroidogenesis (CYP17, 17 $\beta$ -HSD and CYP19) in porcine ovarian follicles.** Barć J, Gregoraszczyk EL. *Toxicology*. 2014 Aug 1;322:14-22.
8. **Differential effect of methyl-, butyl- and propylparaben and 17 $\beta$ -estradiol on selected cell cycle and apoptosis gene and protein expression in MCF-7 breast cancer cells and MCF-10A non-malignant cells.** Wróbel AM, Gregoraszczyk EL. *J ApplToxicol*. 2014 Sep;34(9):1041-50.
9. **Rola adiponektyny w rozrodzie samic.** E Drwal, A Rak-Mardyła. *Kosmos*, 2014, tom 63, nr 3(304): 415-428.

### 2013

1. **Effects of single and repeated in vitro exposure of three forms of parabens, methyl-, butyl- and propylparabens on the proliferation and estradiol secretion in MCF-7 and MCF-10A cells.** Wróbel A, Gregoraszczyk EL. *Pharmacol Rep*. 2013;65(2):484-93.
2. **Action of Halowax 1051 on Enzymes of Phase I (CYP1A1) and Phase II (SULT1A and COMT) Metabolism in the Pig Ovary.** Barć J, Karpeta A, Gregoraszczyk EL. *Int J Endocrinol*. 2013;2013:590261.
3. **Supraphysiological leptin levels shift the profile of steroidogenesis in porcine ovarian follicles toward progesterone and testosterone secretion through increased expressions of CYP11A1 and 17 $\beta$ -HSD: a tissue culture approach.** Gregoraszczyk EL, Rak-Mardyła A. *Reproduction*. 2013 Mar 1;145(3):311-7.
4. **The 2,2',4,4'-tetrabromodiphenyl ether hydroxylated metabolites 5-OH-BDE-47 and 6-OH-BDE-47 stimulate estradiol secretion in the ovary by activating**

- aromatase expression.** Karpeta A, Barc J, Ptak A, Gregoraszczyk EL. *Toxicology*. 2013 Mar 8;305:65-70.
5. **Leptin stimulation of cell cycle and inhibition of apoptosis gene and protein expression in OVCAR-3 ovarian cancer cells.** Ptak A, Kolaczowska E, Gregoraszczyk EL. *Endocrine*. 2013 Apr;43(2):394-403.
  6. **Cooperation of bisphenol A and leptin in inhibition of caspase-3 expression and activity in OVCAR-3 ovarian cancer cells.** Ptak A, Rak-Mardyła A, Gregoraszczyk EL. *Toxicol In Vitro*. 2013 Sep;27(6):1937-43.
  7. **Endocrine-Disrupting Chemicals: Some Actions of POPs on Female Reproduction.** Gregoraszczyk EL, Ptak A. *Int J Endocrinol*. 2013;2013:828532.
  8. **The impact of endocrine disruptors on endocrine targets.** Gregoraszczyk EL, Kovacevov R. *Int J Endocrinol*. 2013;2013:340453.
  9. **Ghrelin role on hypothalams-pituitary-ovarian axis.** A Rak-Mardyła. *Journal of Physiology and Pharmacology, Review*, 2013, 64(6), 695-704.
  10. **Udział rezystyny w regulacji funkcji endokrynnej jajnika.** S Marek, A Rak-Mardyła. *Postępy Biologii Komórki*, 2013, (40), 4: 735-748.
  - 11.

## 2012

1. **Hydroxylated estrogens (2-OH-E2 and 4-OH-E2) do not activate cAMP/PKA and ERK1/2 pathways activation in a breast cancer MCF-7 cell line.** Kwiecinska P, Ptak A, Wrobel A, Gregoraszczyk EL. *Endocr Regul*. 2012 Jan;46(1):1-12.
2. **Effects of valproic acid and levetiracetam on viability and cell cycle regulatory genes expression in the OVCAR-3 cell line.** Kwiecińska P, Tauboll E, Gregoraszczyk EL. *Pharmacol Rep*. 2012 Jan-Feb;65(1):157-65.
3. **Polybrominated diphenylethers (PBDEs) act as apoptotic factors in the corpus luteum in addition to having a short-term stimulatory effect on progesterone secretion by luteal cells.** Gregoraszczyk EL, Siembida M, Grzyb D, Rak-Mardyła A. *Toxicol Mech Methods*. 2012 Feb;22(2):131-8.
4. **Expression of ghrelin and its receptor in porcine ovarian follicles collected from prepubertal and estrous cycle animals.** Rak-Mardyła A, Gregoraszczyk EL. *J Physiol Pharmacol*. 2012 Apr;63(2):195-9.
5. **Expression of ghrelin and the ghrelin receptor in different stages of porcine corpus luteum development and the inhibitory effects of ghrelin on progesterone secretion, 3β-hydroxysteroid dehydrogenase (3β-HSD) activity and protein expression.** Rak-Mardyła A, Gregoraszczyk EL, Karpeta A, Duda M. *Theriogenology*. 2012 May;77(8):1505-12.
6. **Bisphenol A induces leptin receptor expression, creating more binding sites for leptin, and activates the JAK/Stat, MAPK/ERK and PI3K/Akt signaling pathways in human ovarian cancer cell.** Ptak A, Gregoraszczyk EL. *Toxicol Lett*. 2012 May 5;210(3):332-7.
7. **Comparison of the effects of valproic acid and levetiracetam on apoptosis in the human ovarian cancer cell line OVCAR-3.** Kwiecińska P, Taubøll E, Gregoraszczyk EL. *Pharmacol Rep*. 2012 May-Jun;63(3):603-14.
8. **Activation of the enzymes of phase I (CYP2B1/2) and phase II (SULT1A and COMT) metabolism by 2,2',4,4'-tetrabromodiphenyl ether (BDE47) in the pig ovary.** Karpeta A, Warzecha K, Jerzak J, Ptak A, Gregoraszczyk EL. *Reprod Toxicol*. 2012 Nov;34(3):436-42.

9. **Immunoassay – A Standard Method to Study the Concentration of Peptide Hormones in Reproductive Tissues in vitro.** Rak-Mardyła A, Ptak A, Gregoraszczyk EŁ. *Trends in Immunolabelled and Related Techniques*. Abuelzein E. (ed.), 275-298, INTECH, Croatia 2012.

## 2011

1. **Combinatory effects of PBDEs and 17beta-estradiol on MCF-7 cell proliferation and apoptosis.** Kwiecińska P, Wróbel A, Gregoraszczyk EŁ. *Pharmacol Rep*. 2011 Jan-Feb; 63(1):189-94.
2. **Overexpression of P53 protein and local hGH, IGF-I, IGFBP-3, IGFBP-2 and PRL secretion by human breast cancer explants.** Milewicz T, Rys J, Wojtowicz A, Stochmal E, Jach R, Krzysiek J, Gregoraszczyk E, Huras H, Dziadek O. *Neuro Endocrinol Lett*. 2011 Jun 28;32(3).
3. **Involvement of caspase-9 but not caspase-8 in the anti-apoptotic effects of estradiol and 4-OH-Estradiol in MCF-7 human breast cancer cells.** Gregoraszczyk E, Ptak A. *Endocr Regul*. 2011 Jan;45(1):3-8.
4. **Effect of bisphenol-A on the expression of selected genes involved in cell cycle and apoptosis in the OVCAR-3 cell line.** Ptak A, Wróbel A, Gregoraszczyk EŁ. *Toxicol Lett*. 2011 Apr 10;202(1):30-5.
5. **Comparison of combinatory effects of PCBs (118, 138, 153 and 180) with 17β-estradiol on proliferation and apoptosis in MCF-7 breast cancer cells.** Ptak A, Mazur K, Gregoraszczyk EŁ. *Toxicol Ind Health*. 2011 May;27(4):315-21.
6. **Differential accumulation of HCBz and PeCBz in porcine ovarian follicles and their opposing actions on steroid secretion and CYP11, CYP17, 17β-HSD and CYP19 protein expression. A tissue culture approach.** Gregoraszczyk EŁ, Ptak A, Rak-Mardyła A, Falandysz J. *Reprod Toxicol*. 2011 May;31(4):494-9.
7. **The ability of hydroxylated estrogens (2-OH-E2 and 4-OH-E2) to increase of SHBG gene, protein expression and intracellular levels in MCF-7 cells line.** Gregoraszczyk EŁ, Ptak A, Wrobel A. *Endocr Regul*. 2011 Jul;45(3):125-30.
8. **Effects of valproic acid (VPA) and levetiracetam (LEV) on proliferation, apoptosis and hormone secretion of the human choriocarcinoma BeWo cell line.** Kwiecińska P, Wiśniewska J, Gregoraszczyk EŁ. *Pharmacol Rep*. 2011 Sep-Oct; 63(5):1195-202.
9. **Congener-specific action of PBDEs on steroid secretion, CYP17, 17β-HSD and CYP19 activity and protein expression in porcine ovarian follicles.** Karpeta A, Rak-Mardyła A, Jerzak J, Gregoraszczyk EŁ. *Toxicol Lett*. 2011 Oct 30;206(3):258-63.
10. **Halowax 1051 affects steroidogenesis, 17β-hydroxysteroid dehydrogenase (17β-HSD) and cytochrome P450arom (CYP19) activity, and protein expression in porcine ovarian follicles.** Gregoraszczyk EŁ, Jerzak J, Rak-Mardyła A, Falandysz J. *Reprod Toxicol*. 2011 Dec;32(4):379-84.

## 2010

1. **Effect of pituitary growth hormone and insulin-like growth factor type-I on proliferation, apoptosis and hormone secretion of the placental cell line JEG-3.** Rak-Mardyla A, Gregoraszczyk E. *Gynecol Endocrinol.* 2010 Apr;26(4):302-6.
2. **Mixture of dominant PBDE congeners (BDE-47, -99, -100 and -209) at levels noted in human blood dramatically enhances progesterone secretion by ovarian follicles.** Karpeta A, Gregoraszczyk E. *Endocr Regul.* 2010 Apr;44(2):49-55.
3. **Effect of ghrelin on proliferation, apoptosis and secretion of progesterone and hCG in the placental JEG-3 cell line.** Rak-Mardyla A, Gregoraszczyk E. *Reprod Biol.* 2010 Jul;10(2):159-65.
4. **ERK 1/2 and PI-3 kinase pathways as a potential mechanism of ghrelin action on cell proliferation and apoptosis in the porcine ovarian follicular cells.** Rak-Mardyla A, Gregoraszczyk E. *J Physiol Pharmacol.* 2010 Aug;61(4):451-8.
5. **Induction of cytochrome P450 1A1 in MCF-7 human breast cancer cells by 4-chlorobiphenyl (PCB3) and the effects of its hydroxylated metabolites on cellular apoptosis.** Ptak A, Ludewig G, Rak A, Nadolna W, Bochenek M, Gregoraszczyk E. *Environ Int.* 2010 Nov;36(8):935-41.