

## Katarzyna Gach

Lista publikacji  
z dnia 30 października 2010

### Publikacje w czasopismach

1. Gach K., Szemraj J., Wyrębska A., Janecka A., 2010, ***The influence of opioids on matrix metalloproteinase-2 and -9 secretion and mRNA levels in MCF-7 breast cancer cell line***, *Mol Biol Rep*, (w druku)
2. Gach K., Szemraj J., Stasikowska-Kanicka O., Danilewicz M., Janecka A., 2010, ***Opioid-receptor gene expression and localization in cancer cells***, *Cent Eur J Biol*, (w druku)
3. Gach K., do-Rego J. C., Fichna J., Storr M., Debro D., Tóth G., Janecka A., 2010, ***Synthesis and biological evaluation of novel peripherally active morphiceptin analogs***, *Peptides* 31: 1617-1624
4. Fichna J., Perlikowska R., Gach K., do-Rego J. C., Cravezic A., Janecka A., Storr M. A., 2010, ***The novel endomorphin degradation blockers Tyr-Pro-DCIPhe-Phe-NH (EMDB-1) and Tyr-Pro-Ala-NH (EMDB-2) prolong endomorphin-2 action in rat ileum in vitro***, *Chem Biol Drug Des* 76: 77-81
5. Fichna J., Gach K., Perlikowska R., Cravezic A., Bonet J. J., do-Rego J. C., Janecka A., Storr M. A., 2010, ***Novel endomorphin analogues with antagonist activity at the mu-opioid receptor in the gastrointestinal tract***, *Regul Pept* 162: 109-114
6. Czakó B., Marton J., Berényi S., Gach K., Fichna J., Storr M. A., Tóth G., Sipos A., Janecka A., 2010, ***Synthesis and opioid activity of novel 6-substituted-6-demethoxy-ethenomorphinans***, *Bioorg Med Chem* 18: 3535-3542
7. Gach K., Szemraj J., Fichna J., Piestrzeniewicz M., Debro D., Janecka A., 2009, ***The influence of opioids on urokinase plasminogen activator on protein and mRNA level in MCF-7 breast cancer cell line***, *Chem Biol Drug Des* 74: 390-396
8. Gach K., Piestrzeniewicz M., Fichna J., Szemraj J., Janecka A., 2009, ***Opioid antagonist-induced regulation of the  $\mu$ -opioid receptor expression in MCF-7 breast cancer cell line***, *Endocr Regul* 43: 23-28
9. Perlikowska R., Gach K., Fichna J., Toth G., Walkowiak B., do-Rego J. C., Janecka A., 2009, ***Biological activity of endomorphin and [Dmt1]endomorphin analogs with six-membered proline surrogates in position 2***, *Bioorg Med Chem* 17: 3789-3794
10. Janecka A., Perlikowska R., Gach K., Fichna J., Mazur A., Kruszyński R., Janecki T., Jankowski S., 2009, ***Structural studies of position 2 modified endomorphin-2 analogs by NMR spectroscopy and molecular modeling***, *Polish J Chem* 83: 1293-1307
11. Gach K., Piestrzeniewicz M., Fichna J., Stefanska B., Szemraj J., Janecka A., 2008 ***Opioid-induced regulation of micro-opioid receptor gene expression in the MCF-7 breast cancer cell line***, *Biochem Cell Biol* 86: 217-226
12. Staniszevska R., Fichna J., Gach K., Toth G., Poels J., Vanden Broeck J., Janecka A., 2008, ***Synthesis and biological activity of endomorphin-2 analogs incorporating piperidine-2-, 3- or 4-carboxylic acids instead of proline in position 2***, *Chem Biol Drug Des* 72: 91-94
13. Fichna J., Gach K., Perlikowska R., Poels J., Vanden Broeck J., Szemraj J., Janecka A., 2008, ***Identification of endomorphin-1 and endomorphin-2 binding sites in human mu-opioid receptor by antisense oligonucleotide strategy***, *Chem Biol Drug Des* 72: 507-512
14. Fichna J., Gach K., Piestrzeniewicz M., Burgeon E., Poels J., Vanden Broeck J., Janecka A., 2006, ***Functional characterization of opioid receptor ligands by aequorin luminescence-based calcium assay***, *J Pharmacol Exp Ther* 317: 1150-1154
15. Fichna J., Piestrzeniewicz M., Gach K., Poels J., Burgeon E., Vanden Broeck J., Janecka A., 2006, ***[D-1-Nal4]endomorphin-2 is a potent micro-opioid receptor antagonist in the aequorin luminescence-based calcium assay***, *Life Sci* 79: 1094-1099

## Prace przeglądowe

1. Janecka A., Perlikowska R., **Gach K.**, Wyrebska A., Fichna J., 2010, ***Development of opioid peptide analogs for pain relief***, *Curr Pharm Des* 16: 1126-1135
2. Janecka A., Staniszewska R., **Gach K.**, Fichna J., 2008, ***Enzymatic degradation of endomorphins***, *Peptides* 29: 2066-2073