

## Lista nagrodzonych publikacji:

1. Nagy, V., Bozdagi, O., Matynia, A., Balcerzyk, M., **Okulski, P., Dzwonek, J.**, Costa, R.M., Silva, A.J., **Kaczmarek, L.**, Huntley, G.W. Matrix metalloproteinase (MMP-9) is required for hippocampal late-phase LTP and memory. **J. Neurosci.**, 26: 1923-1934, 2006.
2. **Okulski P.**, Jay T.M., **Jaworski J.**, Duniec K., **Dzwonek J.**, **Konopacki F.A.**, **Wilczynski G.M.**, **Sánchez-Capeli A.**, Mallet J., **Kaczmarek L.**, TIMP-1 abolishes MMP-9-dependent long-lasting LTP in the prefrontal cortex. **Biol. Psych.**, 62: 359-362, 2007.
3. **Michaluk P.**, **Kaczmarek L.**, Matrix metalloproteinase-9 (MMP-9) in glutamate-dependent adult brain function and dysfunction, **Cell Death Differ.**, 14: 1255-1258, 2007.
4. **Michaluk P.**, Kolodziej L., Mioduszevska B., **Wilczynski G.M.**, **Dzwonek J.**, **Jaworski J.**, Gorecki D.C., Ottersen O.P., **Kaczmarek L.**, b-dystroglycan as a target for MMP-9, in response to enhanced neuronal activity. **J. Biol. Chem.**, 282: 16036-16041, 2007.
5. **Konopacki F.A.**, **Rylski M.**, Wilczek E., **Amborska R.**, Detka D., **Kaczmarek L.**, **Wilczyński G.M.**, Synaptic localization of seizure-induced matrix metalloproteinase-9 mRNA. **Neuroscience**, 150: 31-39, 2007.
6. **Wilczynski G.M.**, **Konopacki F.A.**, Wilczek E., Lasiecka Z., Gorlewicz A., **Michaluk P.**, Wawrzyniak M., Malinowska M., **Okulski P.**, Kolodziej L.R., Konopka W., Duniec K., Mioduszevska B., Nikolaev E., Walczak A., Owczarek D., Gorecki D.C., Zuschratter W., Ottersen O.P., **Kaczmarek L.** Important role of matrix metalloproteinase 9 (MMP-9) in epileptogenesis. **J. Cell Biol.**, 180: 1021-1035, 2008.
7. **Gawlak M.**, Górkiewicz T., Gorlewicz A., **Konopacki F.A.**, **Kaczmarek L.**, **Wilczynski G.M.** High resolution in situ zymography reveals matrix metalloproteinase activity at glutamatergic synapses, **Neuroscience**, 158: 167-176, 2009.
8. **Rylski M.**, **Amborska A.**, Zybura K., Mioduszevska B., **Michaluk P.**, **Jaworski J.**, **Kaczmarek L.** Yin Yang 1 is a critical repressor of matrix metalloproteinase-9 expression in brain neurons. **J. Biol. Chem.**, 283: 35140-35153, 2008.
9. **Rylski M.**, **Amborska R.**, Zybura K., **Michaluk P.**, Bielinska B., **Konopacki F.A.**, **Wilczynski G.M.**, **Kaczmarek L.**, JunB is a repressor of MMP-9 transcription in depolarized rat brain neurons. **Mol. Cell. Neurosci.**, 40: 98-110, 2009. Epub: 2008 Oct 11.
10. **Wilczynski G.M.**, **Kaczmarek L.** MMP-9/TIMP-1 Extracellular Proteolytic System as AP-1 Target in Response to Neuronal Activity. W: Transcriptional Regulation by Neuronal Activity: To the Nucleus and Back (Dudek S., red.). Springer, 2008, str. 277-294.