

Lista publikacji

- październik 2011

I. Publikacje książkowe (monografie):

1. Bulaj G., Walewska A., *Oxidative Folding of Single-stranded Disulfide-rich Peptides*, [w:] *Oxidative Folding of Proteins and Peptides*, Buchner J., Moroder L., Royal Society of Chemistry, 2009: 274-296.

II. Prace oryginalne (rozdziały w książkach zbiorowych, artykuły w czasopismach):

1. Walewska A., Jaśkiewicz A., Bulaj G., Rolka K., 2011, *Selenopeptide analogs of EETI-II retain potent trypsin inhibitory activities*, *Chem Biol Drug Des* 77(1): 93-97.

2. Han T. S., Zhang M. M., Gowd K. H., Walewska A., Yoshikami D., Olivera B. M., Bulaj G., 2010, *Disulfide-depleted selenoconopeptides: simplified oxidative folding of cysteine-rich peptides*, *ACS Med Chem Lett* 1(4): 140-144.

3. Zhang M. M., Gruszczynski P., Walewska A., Bulaj G., Olivera B. M., Yoshikami D., 2010, *Co-occupancy of the outer vestibule of voltage-gated sodium channels by {micro}-conotoxin KIIIA and saxitoxin or tetrodotoxin*, *J Neurophysiol* 104(1): 88-97.

4. Walewska A., Zhang M. M., Skalicky J. J., Yoshikami D., Olivera B. M., Bulaj G., 2009, *Integrated oxidative folding of cysteine/selenocysteine containing peptides: improving chemical synthesis of conotoxin*, *Angew Chem Int Ed Engl* 48(12): 2221-2224.

5. Han T. S., Zhang M. M., Walewska A., Gruszczynski P., Robertson C. R., Cheatham T. E., Yoshikami D., Olivera B. M., Bulaj G., 2009, *Structurally-minimized μ -conotoxin analogs as sodium channels blockers: implications for designing conopeptide-based therapeutics*, *ChemMedChem* 4(3): 406-414.

6. Walewska A., Skalicky J. J., Davis D. R., Zhang M. M., Lopez-Vera E., Watkins M., Han T. S., Yoshikami D., Olivera B. M., Bulaj G., 2008, *NMR-based mapping of disulfide bridges in cysteine-rich peptides: application to the μ -conotoxin SxIIIA*, *J Am Chem Soc* 130(43): 14280-14286.

7. Lopez-Vera E., Walewska A., Skalicky J. J., Olivera B. M., Bulaj G., 2008, *Role of hydroxyprolines in the in vitro oxidative folding and biological activity of conotoxins*, *Biochemistry* 47(6): 1741-1751.

8. Kowalska J., Pszczoła K., Wilimowska-Pelc A., Lorenc-Kubis I., Zuziak E., Ługowski M., Łęgowska A., Kwiatkowska A., Śleszyńska M., Lesner A., Walewska A., Zabłotna E., Rolka K., Wilusz T., 2007, *Trypsin inhibitors from the garden four o'clock (*Mirabilis jalapa*) and spinach (*Spinacia oleracea*) seeds: isolation, characterization and chemical synthesis*, *Phytochemistry* 68(11): 1487-1496.

9. Bulaj G., Walewska A., Skalicky J. J., Olivera B. M., *Labeled peptides and methods of use thereof for improved oxidation and mapping of disulfide bridges*, zgłoszenie patentowe nr

III. Prace pokonferencyjne i doniesienia zjazdowe:

1. **Walewska A.**, Han T. S., Zhang M. M., Yoshikami D., Olivera B. M., Bulaj G., Rolka K., ***Three Disulfide Bridged μ -Conopeptoids and Their Minimized Disulfide-Depleted Selenopeptide Derivatives***, *Proceedings of 31st European Peptide Symposium*, Kopenhaga, Dania, Lebl M., Medal M., Jansen K. J., Hoeg-Jensen T., *Peptides* 2010: 250-251.
2. **Walewska A.**, Lesner A., Miecznikowska H., Rolka K., ***Utilization on CLEAR-OXTM, Polymer Supported Oxidant for Disulfide Bridge Formation***, *Proceedings of 29th European Peptide Symposium*, Gdańsk, Poland, Rolka K., Rekowski P., Silberring J., *Peptides* 2006: 290-291.