

## **Publications/Publikációk (1998)**

(\*Abstract/előadáskivonat)

1. Ádám, É., Nász, I., Hudecz, F., Lengyel, A., Mező, G., Dobay, O.: Characterization of intertype specific epitopes on adenovirus hexone. *Arch.Virol.* 143: 1669-1682 (1998)
- \*2. Blahunka, A., Magyar, A., Medzihradzky-Schweiger, H., Orosz, Gy., Medzihradzky, K.: Peptide epoxides. Synthesis of epoxysuccinyl and glycidol ester derivatives of opioid peptides. *Journal of Peptide Science* 4, 29 (1998)
- \*3. Bódi, J., Nishio, H., Inui, T., Nishiuchi, Y., Kimura, T., Sakakibara, S.: Segment condensation of sparingly soluble protected peptides in chloroform-phenol mixed solvent *Journal of Peptide Science* 4, 32 (1998)
4. Bogdán, K.A., Vordermeier, H.M., Ivanyi, J., Hudecz, F.: Modulation of T cell specific immune responses against 16 kDa protein of *M. tuberculosis* by alteration of flanks and/or conjugation to synthetic branched polypeptide carrier. In: *Peptides 1996. Proc. 24th European Peptide Symposium* (Ed.: Ramage, R., Epton, R.) 1998, Mayflower Scientific, Birmingham, pp.115-118.
- \*5. Bősze, Sz., Igaz, P., Szabó, R., Tobisch, Zs., Tóth, S., Falus, A., Hudecz, F.: Interleukin-6 peptides modulate the production of acute phase proteins and the expression of junb protooncogen on HepG2 cells. *Journal of Peptide Science* 4, 85 (1998)
- \*6. Bősze Sz., Igaz P., Takács K, Szabó R., Tobisch Zs., Tóth S., Falus A., Hudecz, F.: Modulation of junB mRNA expression and of acute phase response of HepG2 cells by WSXWS motif related peptides and monoclonal antibodies. *The Immunologist* S1, 516, 1998.
7. Bősze, Sz., Kajtár, J., Szabó, R., Falus, A., Hudecz, F.: Synthesis, solution conformation and interleukin-6 related activities of IL-6 peptides. *J. Peptide Research*, 52: 216-228. (1998)
- \*8. Buzas, E.I., Mikecz, K., Hudecz, F., Finnegan, A., Glant, T.T.: Identification of new T-cell epitopes of human aggrecan core protein in BALB/c mice. *Arthritis & Rheumatism* 41: S215 (1998)
- \*9. Buzas, E.I., Finnegan, A., Mikecz, K., Cs-Szabó, G., Hudecz, F., Uray, K., Hollo, K., Glant, T.T.: Discordant recognition of altered peptide ligands by two autoreactive murine T cell hybridoma clones specific to the same cartilage proteoglycan (aggrecan)-epitope. *Arthritis & Rheumatism* 41: S252 (1998)
- \*10. Eberle, A.N., Froidevaux, S., Meier, M., Jäggin, V., Bódi, J., Orosz, Gy., Süli-Vargha, H.: Synthetic agouti protein fragment (91-131) is an inverse agonist of the melanocortin-1 (MC-1) Receptor. *Journal of Peptide Science* 4, 11 (1998)

11. Gaál, D., Hudecz, F.: Low toxicity and high antitumour activity of daunomycin by conjugation to immunopotential amphoteric branched polypeptide. *Eur. J. Cancer* 34: 155-161 (1998)
12. Garcia, M., Nagy, I.B., Alsina, A., Mező, G., Reig, F., Hudecz, F., Haro, I.: Analysis of the interaction with biomembrane models of HAV-VP3(101-121) sequence conjugated to synthetic branched polypeptide carriers with poly[L-lysine] backbone. *Langmuir* 14: 1861-1869 (1998)
13. Hudecz, F.: Polimer terapeutikumok. *Magyar Tudomány* 43: 1211-1221 (1998)
- \*14. Kóczán, Gy., Ghosh, A.K, Mookherjee, A., Ghose, A.C, Hudecz, F.: Application of branched chain polymeric polypeptides for methotrexate targeting to macrophages in *Leishmania donovani* infection. *The Immunologist* S1, 610, 1998.
- \*15. Kóczán, Gy., Mező, G., Hudecz, F.: Synthesis and application of new cyclohexyloxycarbonyl protected amino acids in Boc-chemistry. *Journal of Peptide Science* 4, 35 (1998)
16. Likó, Zs., Majer, Zs., Vass, E., Holly, S., Bódi, J., Süli-Vargha, H.: Synthesis, CD and FTIR Studies of Cyclic Collagen sequence Analogues . In: *Peptides 1996. Proc. 24th European Peptide Symposium*, (Ed.: Ramage, R., Epton, R.) 1998, Mayflower Scientific, Birmingham, pp. 583-584 (1998)
17. Mák, M., Mező, G., Skribanek, Zs., Hudecz, F.: Stability of Asp-Pro bond under high and low energy collision induced dissociation conditions in the immunodominant epitope region of Herpes simplex virion glycoprotein D. *Rapid Communications in Mass Spectrometry* 12: 1-6 (1998)
18. Medzihradzky-Schweiger, H., Bódi, J., Süli-Vargha, H., Medzihradzky, K.: A Melphalan Containing Cyclic Melanotropin Analog with Prolonged Biological Activity. In: *Peptides 1996. Proc. 24th European Peptide Symposium*, (Ed.: Ramage, R., Epton, R.) 1998, Mayflower Scientific, Birmingham, pp. 631-632 (1998)
- \*19. Medzihradzky-Schweiger, H., Medzihradzky, K., Nádas, H., Süli-Vargha, H.: Aminopeptidase M seems to jump over peptide bonds formed by N-terminal  $\alpha,\alpha$ -disubstituted amino acids. *Journal of Peptide Science* 4, 91 (1998)
20. Mező, G., Drakopoulou, E., Rajnavölgyi, É., Vita, C., Hudecz, F.: Synthesis and immunological studies of a-contoxin chimera containing an immunodominant epitope from the 268-284 region of HSV gD protein. In: *Peptides 1996. Proc. 24th European Peptide Symposium*, (Ed.: Ramage, R., Epton, R.) 1998, Mayflower Scientific, Birmingham, pp. 645-646.
- \*21. Mező, G., Majer, Zs., Jimenez, M.A., Vass, E., Carreño, C., Andreu, D., Hudecz, F.: Conformational studies of linear and cyclic HSV epitope peptides. *Journal of Peptide Science* 4, 77 (1998)

- \*22. Mező, G., Mező, I., Vincze, B., Kálnay, A., Hudecz, F.: Synthesis and antitumor activity of new GnRH analogue-branched polypeptide conjugates. *Cancer Detection and Prevention* 22:S1 239-240 (1998)
- \*23. Mező, G., Mihala, N., Andreu, D., Hudecz, F.: New conjugation strategies for the attachment of Cys containing HSV epitope peptides to branched chain polypeptides. *Journal of Peptide Science* 4, 72 (1998)
24. Mező, G., Mihala, N., Kóczán, Gy., Hudecz, F.: Cyclohexyloxycarbonyl based orthogonal solid phase peptide synthesis in Boc chemistry. *Tetrahedron* 54: 6757-6766 (1998)
25. Nadasdy, L., Brogley, L., Mező, G., Yamashiro, D., Chung, D., Tarczy-Hornoch, K., Hom, D., Ramachandran, J.: Tuning the N vs. P/Q type Ca<sup>2+</sup> channel specificity of an ω-conopeptide. In: *Peptides 1996. Proc. 24th European Peptide Symposium*, (Ed.: Ramage, R., Epton, R.) 1998, Mayflower Scientific, Birmingham, pp. 671-672.
26. Nagy, I.B., Haro, I., Alsina, A., Reig, F., Hudecz, F.: Interaction of branched chain polymeric polypeptides with phospholipid model membranes. *Biopolymers* 46: 169-179 (1998)
- \*27. Nagy, I.B., Reig, F., Alsina, M.A., Szőgyi, M., Hudecz, F.: The effect of attached peptide on branched poly-α-amino acid conjugate - phospholipid interaction. *Journal of Peptide Science* 4, 67 (1998)
- \*28. Nishiuchi, Y., Nishio, H., Inui, T., Bódi, J., Tsuji, F., Kimura, T., Sakakibara, S.: Total synthesis of green fluorescent protein (GFP), a 238-residue protein from jellyfish *Aequorea Victoria*. *Journal of Peptide Science* 4, 6 (1998)
- \*29. Orosz, Gy., Magyar, A., Blahunka, A.: Aza- and urea analogues of opioid peptides. *Journal of Peptide Science* 4, 101 (1998)
30. Perkins, A.C., Frier, M., Pimm, M.V., Hudecz, F.: Tc99m-branched chain polypeptide (BCP): a potential synthetic radiopharmaceutical. *J. Labelled Compounds* 41: 631-638 (1998)
31. Peták, I., Mihalik, R., Bauer, P.I., Süli-Vargha, H., Sebestyén, A., Kopper, L. : BCNU is a caspase-mediated inhibitor of drug-induced apoptosis. *Cancer Research*, 58, 614-618 (1998)
32. Prachand, M.S., Dhingra, M.M., Saran, A., Coutinho, E., Bódi, J., Süli-Vargha, H., Medzihradszky, K.: Comparative conformational studies on cyclic hexapeptides corresponding to message sequence His-Phe-Arg-Trp of α-Melanotropin by NMR. *J. Peptide Res.*, 51, 251-265 (1998)
- \*33. Sebestyén, F., Kele, P., Illyés, E., Mák, M., Dóda, M., Mező, G.: Synthesis and properties of fluorescent peptides. *Journal of Peptide Science* 4, 112 (1998)

- \*34. Skribanek, Zs. Mák, M., Mező, G., Hudecz, F.: Mass spectrometric and chemical stability of the Asp-Pro bond in Herpes Simplex virus epitope peptides compared to X-Pro bond of related sequences. *Journal of Peptide Science* 4, 69 (1998)
35. Tímár, F., Botyánszki, J., Süli-Vargha, H., Babó, I., Oláh, J., Pogány, G., Jeney, A.: The antiproliferative action of a melphalan- hexapeptide with collagenase cleavable site. *Cancer Chemotherapy and Pharmacology*, 41, 292-298 (1998)
- \*36. Uray, K., Kele, P., Windberg, E., Illyés, E., Medzihradzky-Schweiger, H., Sebestyén, F., Price, M.R., Hudecz, F.: Identification of a muc2 B-cell epitope motif by combinatorial peptide chemistry. *Journal of Peptide Science* 4, 96 (1998)
37. Uray, K., Price, M.R., Hudecz, F.: Localisation of a protein core specific epitope from gastrointestinal mucin (MUC2). The effect of epitope immobilisation on antibody recognition. *J. Peptide Science* 4: 319-326 (1998).
38. Várnagy, K., Sóvágó, I., Goll, W., Süli-Vargha, H., Micera, G., Sanna, D.: Potentiometric and spectroscopic studies on transition metal complexes of bis(imidazolyl) and bis(pyridyl) derivatives of amino acids. *Inorg. Chim. Acta*, 283, 233-242 (1998)
- \*39. Veliceasa, D., Tauscher, G., Kós, P.B., Likó, I., Uray, K., Surányi, Gy., Hudecz, F., Lukács, N.: Epitope mapping of Barley Mild Mosaic Virus coat protein using multipin peptide synthesis method. *Journal of Peptide Science* 4, 82 (1998)
40. Wang, Y.X., Bezprozvannaya, S., Bowrsox, S.S., Nádasdi, L., Miljanich, G., Mező, G., Silva, D., Tarczy-Hornoch, K., Luther, R.R.: Peripheral versus central potencies of N-type voltage-sensitive calcium channel blockers. *Arch. Pharmacol.* 357, 159-168 (1998)
41. Wilkinson, K.A., Vordermeier, M.H., Kajtár, J., Jurcevic, S., Wilkinson, R., Iványi, J., Hudecz, F.: Modulation of peptide specific T cell responses by non-native flanking regions. *Mol. Immunol.*, 34: 1237-1246 (1998)
42. Wilkinson, K.A., Vordermeier, H., Wilkinson, R.J., Ivanyi, J., Hudecz, F.: Synthesis and in vitro T-cell immunogenicity of conjugates with dual specificity: attachment of epitope peptides of 16 kDa and 38 kDa proteins from *Mycobacterium tuberculosis* to branched polypeptide. *Bioconjugate Chemistry*, 9: 539-547 (1998)