

## 50 nejcitovanějších prací autorů ÚMG (prvních či korespondenčních) od založení ÚEBG v r. 1962

(počet citací červeně)

1. Bubeník, J; Baresova, M; Viklicky, V; Jakoubkova J; Sainerova H; Donner, J. Established cell line of urinary-bladder carcinoma (T-24) containing tumor-specific antigen. **Int J Cancer**. 1973;11:765-773: **487**
2. Zavadil, J; Cermak, L; Soto-Nieves, N; Bottinger, EP. Integration of TGF-beta/Smad and Jagged1/Notch signalling in epithelial-to-mesenchymal transitiv. **EMBO J**. 2004;23:1155-1165: **396**
3. Brdicka, T; Pavlistová, D; Leo, A; Bruyns, E; Korínek, V; Angelisová, P; Scherer, J; Shevchenko, A; Hilgert, I; Cerný, J; Drbal, K; Kuramitsu, Y; Kornacker, B; Horejsí, V; Schraven, B. Phosphoprotein associated with glycosphingolipid-enriched microdomains (PAG), a novel ubiquitously expressed transmembrane adaptor protein, binds the protein tyrosine kinase csk and is involved in regulation of T cell activation. **J Exp Med**. 2000;191:1591-604: **355**
4. Sinkkonen, L; Hugenschmidt, T; Berninger, P; Gaidatzis, D; Mohn, F; Artus-Revel, CG; Zavolan, M; Svoboda, P\*; Filipowicz, W. MicroRNAs control de novo DNA methylation through regulation of transcriptional repressors in mouse embryonic stem cells. **Nat Struct Mol Biol**. 2008;15:259-267: **300**
5. Pavlicek, A; Hrdá, S; Flegr, J. FreeTree-freeware program for construction of phylogenetic trees on the basis of distance data and bootstrap jackknife analysis of the tree robustness. Application in the RAPD analysis of genus Frenkelia. **Folia Biol**. 1999;45:97-99: **295**
6. Cinek, T; Horejsi, V. The nature of large noncovalent complexes containing glycosyl-phosphatidylinositol-anchored membrane-glycoproteins and protein tyrosine kinases. **J Immunol**. 1992;149:2262-2270: **281**
7. Bazil, V; Horejsi, V; Baudys, M; Kristofova, H; Strominger, JI; Kostka, V; Hilgert, I. Biochemical-characterization of a soluble form of the 53-kDa monocyte surface-antigen. **Eur J Immunol**. 1986;16:1583-1589: **246**
8. Horejsi, V; Drbal, K; Cebecauer, M; Cerny, J; Brdicka, T; Angelisova, P; Stockinger, H. GPI-microdomains: a role in signalling via immunoreceptors. **Immunol Today**. 1999;20:356-361: **245**
9. Svoboda, J; Hilgert, I; Simkovic, D; Chyle, P. Demonstration of absence of infectious Rous virus in rat tumour XC, whose structurally intact cells produce Rous sarcoma when transferred to chicks. **Folia Biol**. 1963;9:77-81: **176**

10. [Mihola, O](#); [Trachtulec, Z](#); [Vlcek, C](#); Schimenti, JC; [Forejt, J](#). A mouse speciation gene encodes a meiotic histone H3 methyltransferase. **Science**. **2009**;323:373-375: **170**
11. Cigler, P; Kozisek, M; [Rezacova, P](#); [Brynda, J](#); Otwinowski, Z; Pokorna, J; Plesek, J; Gruner, B; Doleckova-Maresova, L; Masa, M; [Sedlacek, J](#); Bodem, J; Krausslich, HG; Kral, V; Konvalinka, J. From nonpeptide toward noncarbon protease inhibitors: Metallacarboranes as specific and potent inhibitors of HIV protease. **Proc Natl Acad Sci USA**. **2005**;102:15394-15399: **163**
12. [Angelisova, P](#); [Hilgert, I](#); [Horejsi, V](#). Association of 4 antigens of the tetraspans family (CD37, CD53, TAPA-1, and R2/C33) with MHC class-II glycoproteins. **Immunogenetics**. **1994**;39:249-256: **158**
13. [Brdicka, T](#); [Imrich, M](#); [Angelisova, P](#); [Brdickova, N](#); [Horvath, O](#); [Spicka, J](#); [Hilgert, I](#); [Luskova, P](#); [Draber, P](#); Novak, P; Engels, N; Wienands, J; Simeoni, L; Osterreicher, J; Aguado, E; Malissen, M; Schraven, B; [Horejsi, V](#). Non-T cell activation linker (NTAL): A transmembrane adaptor protein involved in immunoreceptor signaling. **J Exp Med**. **2002**;196:1617-1626: **156**
14. [Forejt, J](#); [Ivanyi, P](#). Genetic studies on male-sterility of hybrids between laboratory and wild mice (*Mus-musculus* L). **Genet Res**. **1974**;24:189-206: **154**
15. [Strnad, H](#); Lapidus, A; [Paces, J](#); Ulbrich, P; [Vlcek, C](#); [Paces, V](#); Haselkorn, R. Complete Genome Sequence of the Photosynthetic Purple Nonsulfur Bacterium *Rhodobacter capsulatus* SB 1003. **J Bacteriol**. **2010**;192:3545-3546: **153**
16. [Holan, V](#); [Hasek, M](#); [Bubenik, J](#); [Chutna, J](#). Antigen-mediated macrophage adherence inhibition. **Cell Immunol**. **1974**;13:107-116: **151**
17. [Horejsi V](#), [Vlcek C](#). Novel structurally distinct family of leucocyte surface glycoproteins including CD9, CD37, CD53 and CD63. Review. **FEBS Lett**. **1991**;288:1-4. **150**
18. [Stefanova, I](#); [Hilgert, I](#); [Kristofova, H](#); Brown, R; Low, MG; [Horejsi, V](#). Characterization of a broadly expressed human-leukocyte surface-antigen MEM-43 anchored in membrane through phosphatidylinositol. **Mol Immunol**. **1989**;26:153-161: **147**
19. [Machon, O](#); Van den Bout, CJ; Backman, M; Kemler, R; Krauss, S. Role of beta-catenin in the developing cortical and hippocampal neuroepithelium. **Neuroscience**. **2003**;122:129-143: **140**
20. [Demant, P](#); [Capkova, J](#); [Hinzova, E](#); [Voracova, B](#). Role of histocompatibility-2-linked ss-slp region in control of mouse complement. **Proc Natl Acad Sci USA**. **1973**;70:863-864: **137**
21. [Blazkova, J](#); [Trejbalova, K](#); Gondois-Rey, F ; Halfon, P; Philibert, P; Guiguen, A; Verdin, E; Olive, D; Van Lint, C; [Hejnar, J](#); Hirsch I. CpG Methylation Controls Reactivation of HIV from Latency. **PLoS Pathogens**. **2009**;5:e1000554. **136**

22. Kozmik, Z; Holland, ND; Kalousova, A; Paces, J; Schubert, M; Holland, LZ. Characterization of an amphioxus paired box gene, *AmphiPax2/5/8*: developmental expression patterns in optic support cells, nephridium, thyroid-like structures and pharyngeal gill slits, but not in the midbrain-hindbrain boundary region. **Development**. 1999;126:1295-304: **135**
23. Horejsi, V; Zhang, WG; Schraven, B. Transmembrane adaptor proteins: Organizers of immunoreceptor signalling. **Nat Rev Immunol**. 2004;4:603-616: **132**
24. Fidlerova, H; Senger, G; Kost, M; Sanseau, P; Sheer, D. 2 simple procedures for releasing chromatin from routinely fixed cells for fluorescence in-situ hybridization. **Cytogenet Cell Genet**. 1994;65: 203-205: **128**
25. Draberova, L; Draber, P. Thy-1 glycoprotein and src-like protein-tyrosine kinase p53/p56Lyn are associated in large detergent-resistant complexes in rat basophilic leukemia cells. **Proc Natl Acad Sci USA**. 1993;90:3611-3615: **125**
26. Bazil, V; Baudys, M; Hilgert, I; Stefanova, I; Low, MG; Zbrozek, J; Horejsi, V. Structural relationship between the soluble and membrane-bound forms of human monocyte surface glycoprotein-CD14. **Mol Immunol**. 1989;26:657-662: **121**
27. Neuzil, J; Wang, XF; Dong, LF; Low, P; Ralph, SJ. Molecular mechanism of 'mitocan'-induced apoptosis in cancer cells epitomizes the multiple roles of reactive oxygen species and Bcl-2 family proteins. **FEBS Lett**. 2006;580:5125-5129. **119**
28. Urbanek, P; Fetka, I; Meisler, MH; Busslinger, M. Cooperation of Pax2 and Pax5 in midbrain and cerebellum development. **Proc Natl Acad Sci USA**. 1997;94:5703-5708: **119**
29. Forejt, J. Hybrid sterility in the mouse. **Trends Genet**. 1996;12:412-417: **116**
30. Neuzil, J; Stantic, M; Zobalova, R; Chladova, J; Wang, XF; Prochazka, L; Dong, LF; Andera, L; Ralph, SJ. Tumour-initiating cells vs. cancer 'stem' cells and CD133: What's in the name? **Biochem Biophys Res Commun**. 2007;355:855-859: **116**
31. Bazil, V; Strominger, JL. Metalloprotease and serine-protease are involved in cleavage of CD43, CD44, and CD16 from stimulated human granulocytes - induction of cleavage of I-selectin via CD16. **J Immunol**. 1994;152:1314-1322: **115**
32. Bubenik, J; Simova, J; Jandlova, T. Immunotherapy of cancer using local administration of lymphoid cells transformed by IL-2 cDNA and constitutively producing IL-2. **Immunol Lett**. 1990;23:287-92: **115**
33. Horejsi, V. The roles of membrane microdomains (rafts) in T cell activation. **Immunol Rev**. 2003;191:148-164: **112**
34. Viklicky, V; Draber, P; Hasek, J; Bartek, J. Production and characterization of a monoclonal antitubulin antibody. **Cell Biol. Int. Rep**. 1982;6:725-31: **112**

35. Kovarova, M; Tolar, P; Araudchandran, R; Draberova, L; Rivera, J; Draber, P. Structure-function analysis of Lyn kinase association with lipid rafts and initiation of early signaling events after Fc epsilon receptor I aggregation. **Mol Cell Biol.** **2001**; 21: 8318-8328. **111**
36. Zavada, J; Zavadova, Z; Pastorek, J; Biesova, Z; Jezek, J; Velek, J. Human tumour-associated cell adhesion protein MN/CA IX: identification of M75 epitope and of the region mediating cell adhesion. *Br J Cancer.* 2000;82:1808-1813: **108**
37. Demant, P. H-2 gene complex and its role in alloimmune reactions. **Transplant Rev.** **1973**;15:162-200: **106**
38. Bubenik, J; Voitenok, NN; Kieler, J; Prassolov, VS; Chumakov, PM; Bubenikova, D; Simova, J; Jandlova, T. Local-administration of cells containing an inserted IL-2 gene and producing IL-2 inhibits growth of human-tumors in nu nu mice. **Immunol Lett.** **1988**;19:279-282: **105**
39. Forejt, J; Gregorova, S. Genetic-analysis of genomic imprinting - an imprintor-1 gene controls inactivation of the paternal copy of the mouse tme locus. **Cell.** **1992**;70:443-450: **104**
40. Hala, K; Vilhelmova, M; Hartmanova, J. Probable crossing-over in b-blood group system of chickens. **Immunogenetics.** **1976**;3:97-103: **103**
41. Kalab, P; Peknicova, J; Geussova, G; Moos, J. Regulation of protein tyrosine phosphorylation in boar sperm through a cAMP-dependent pathway. **Mol Reprod Dev.** **1998**;51: 304-314: **103**
42. Bazil, V; Horejsi, V. Shedding of the CD44 adhesion molecule from leukocytes induced by anti-CD44 monoclonal-antibody simulating the effect of a natural receptor ligand. **J Immunol.** **1992**;149:747-753: **101**
43. Hasek, M; Knizetova, F; Mervartova, H. Syngeneic lines of chickens. I. Inbreeding and selection by means of skin grafts and tests for erythrocyte antigens in C line chickens. **Folia Biol.** **1966**;12:335-341: **101**
44. Bohuslav, J; Cinek, T; Horejsi, V. Large, detergent-resistant complexes containing murine antigens Thy-1 and Ly-6 and protein tyrosine kinase p56(Lck\*) **Eur J Immunol.** **1993**;23:825-831: **98**
45. Lachmann, PJ; Grennan, D; Martin, A; Demant P. Identification of Ss protein as murine C4. **Nature.** **1975**;258:242-243: **98**
46. Ivanyi, P; Starka, L; Hampl, R; Mickova, M. Genetic association between H-2 gene and testosterone metabolism in mice. *Nature New Biol.* 1972;238: 280-281: **97**
47. Stefanova, I; Horejsi, V. Association of the CD59 and CD55 cell-surface glycoproteins with other membrane molecules. **J Immunol.** **1991**;147:1587-1592: **91**

- 
48. Bubenik, J; Perlmann, P; Indrova, M; Simova, J; Jandlova, T; Neuwirt, J. Growth inhibition of MC-induced mouse sarcoma by TCGF (IL-2)-containing preparations. **Cancer Immunol Immunother.** **1983**;14:205-206: **90**
  49. Hala, K; Hasek, M; Hlozaneck, I; Hort, J; Knizetova F; Mervartova H. Syngeneic lines of chickens. 2. Inbreeding and selection within M W and I lines and crosses between C M and W lines. **Folia Biol.** **1966**;12:407-422: **89**
  50. Lemonnier, F; Neauphais, C; Kourilsky, FM; Demant, P. Relationships between private and public H-2 specificities on cell-surface. **Immunogenetics.** **1975**;2:517-529: **88**