

„TOP 20“ publikácií pracoviska s vysokým impakt faktorom, ktoré boli publikované v priebehu rokov 2001 – 2011

1. Pearson ER, Flechtner I, Njølstad PR, Malecki MT, Flanagan SE, Larkin B, Ashcroft FM, **Klimes I**, Codner E, Iotova V, Slingerland AS, Shield J, Robert JJ, Holst JJ, Clark PM, Ellard S, Søvik O, Polak M, Hattersley AT, Neonatal Diabetes International Collaborative Group (including **Gasperičková D**, **Stanik J**). Switching from insulin to oral sulfonylureas in patients with diabetes due to Kir6.2 mutations. *N Engl J Med* 2006; 355: 467-77. (IF: 53,48)
2. **Kvetnansky R**, Sabban EL, Palkovits M. Catecholaminergic systems in stress: structural and molecular genetic approaches. *Physiol Rev* 2009; 89: 535-606. (IF: 28,42)
3. Kuo LE, Kitlinska JB, Tilan JU, Li L, Baker SB, Johnson MD, Lee EW, Burnett MS, Fricke ST, **Kvetnansky R**, Herzog H, Zukowska Z. Neuropeptide Y acts directly in the periphery on fat tissue and mediates stress-induced obesity and metabolic syndrome. *Nat Med* 2007; 13: 803-11. (IF: 25,43)
4. Ondicova K, **Mravec B**. Role of nervous system in cancer aetiopathogenesis. *Lancet Oncol* 2010; 11: 596-601. (IF: 17,76)
5. Sabban EL, **Kvetnanský R**. Stress-triggered activation of gene expression in catecholaminergic systems: dynamics of transcriptional events. *Trends Neurosci* 2001; 24: 91-9. (IF: 16,47)
6. **Langer P**. The impacts of organochlorines and other persistent pollutants on thyroid and metabolic health. *Front Neuroendocrinol* 2010; 31: 497-518. (IF: 12,75)
7. Bartanusz V, **Jezova D**, Alajajian B, Digicaylioglu M. The blood-spinal cord barrier: morphology and clinical implications. *Ann Neurol* 2011; 70: 194-206. (IF: 10,74)
8. Paris M, Escriva H, Schubert M, Brunet F, **Brtko J**, Ciesielski F, Roecklin D, Vivat-Hannah V, Jamin EL, Cravedi JP, Scanlan TS, Renaud JP, Holland ND, Laudet V. Amphioxus postembryonic development reveals the homology of chordate metamorphosis. *Curr Biol* 2008; 18: 825-30. (IF: 10,03)
9. **Gasperičková D**, Tribble ND, **Stanik J**, **Hucková M**, Misovicová N, van de Bunt M, **Valentínová L**, Barrow BA, Barák L, Dobránsky R, Bereczková E, Michálek J, Wicks K, Colclough K, Knight JC, Ellard S, **Klimes I**, Gloyn AL. Identification of a novel beta-cell glucokinase (GCK) promoter mutation (-71G>C) that modulates GCK gene expression through loss of allele-specific Sp1 binding causing mild fasting hyperglycemia in humans. *Diabetes* 2009; 58: 1929-35. (IF: 8,89)
10. Meissburger B, **Ukropec J**, Roeder E, Beaton N, Geiger M, Teupser D, Civan B, Langhans W, Nawroth PP, **Gasperičková D**, Rudofsky G, Wolfrum C. Adipogenesis and insulin sensitivity in obesity are regulated by retinoid-related orphan receptor gamma. *EMBO Mol Med* 2011; 3: 637-51. (IF: 8,83)
11. Suliman SG, **Stanik J**, McCulloch LJ, Wilson N, Edghill EL, Misovicova N, **Gasperičková D**, Sandrikova V, Elliott KS, Barak L, Ellard S, Volpi EV, **Klimes I**, Gloyn AL. Severe insulin resistance and intrauterine growth deficiency associated with haploinsufficiency for INSR and CHN2: new insights into synergistic pathways involved in growth and metabolism. *Diabetes* 2009; 58: 2954-61. (IF: 8,89)
12. Edghill EL, Flanagan SE, Patch AM, Boustred C, Parrish A, Shields B, Neonatal Diabetes International Collaboratory Study Group (including **Gasperičková D**, **Klimes I**, **Stanik J**), Elluard S, Hattersley AT. Insulin mutation screening in 1044 patients with diabetes: Mutations in the INS gene are a common cause of neonatal diabetes but a rarer cause of diabetes diagnosed in childhood or adulthood. *Diabetes* 2008; 57: 1034-42. (IF: 8,87)

13. **Mravec B**, Gidron Y, Hulin I. Neurobiology of cancer: Interactions between nervous, endocrine and immune systems as a base for monitoring and modulating the tumorigenesis by the brain. *Semin Cancer Biol* 2008; 18: 150-63. (IF: 7,75)
14. **Stanik J**, Lethby M, Flanagan SE, **Gasperiková D**, Milosovicová B, Lever M, Bullman H, Zubcevic L, Hattersley AT, Ellard S, Ashcroft FM, **Klimes I**. Coincidence of a novel KCNJ11 missense variant R365H with a paternally inherited 6q24 duplication in a patient with transient neonatal diabetes. *Diabetes Care* 2008; 31: 1736-7. (IF: 7,14)
15. **Ukropec J**, **Radikova Z**, **Huckova M**, **Koska J**, Kocan A, **Sebokova E**, Drobna B, Trnovec T, Susienkova K, Labudova V, **Gasperikova D**, **Langer P**, **Klimes I**. High prevalence of prediabetes and diabetes in a population exposed to high levels of an organochlorine cocktail. *Diabetologia* 2010; 53: 899-906. (IF: 6,97)
16. Ellard S, Bellanné-Chantelot C, Hattersley AT; European Molecular Genetics Quality Network (EMQN; including **Gasperikova D** and **Klimes I**). MODY group. Best practice guidelines for the molecular genetic diagnosis of maturity-onset diabetes of the young. *Diabetologia* 2008; 51: 546-53. (IF: 6,97)
17. Tammaro P, Flanagan SE, Zadek B, Srinivasan S, Woodhead H, Hameed S, **Klimes I**, Hattersley AT, Ellard S, Ashcroft FM. A Kir6.2 mutation causing severe functional effects in vitro produces neonatal diabetes without the expected neurological complications. *Diabetologia* 2008; 51: 802-10. (IF: 6,97)
18. **Klimes I**, Weston K, Kovacs P, **Gasperikova D**, **Jezova D**, **Kvetnansky R**, Thompson JR, **Sebokova E**, Samani NJ. Mapping of genetic loci predisposing to hypertriglyceridaemia in the hereditary hypertriglyceridaemic rat: analysis of genetic association with related traits of the insulin resistance syndrome. *Diabetologia* 2003; 46: 352-8. (IF: 6,97)
19. Thanabalasingham G, Shah N, Vaxillaire M, Hansen T, Tuomi T, **Gašperiková D**, Szopa M, Tjora E, James TJ, Kokko P, Loiseleur F, Andersson E, Gaget S, Isomaa B, Nowak N, Raeder H, **Stanik J**, Njolstad PR, Malecki MT, **Klimes I**, Groop L, Pedersen O, Froguel P, McCarthy MI, Gloyn AL, Owen KR. A large multi-centre European study validates high-sensitivity C-reactive protein (hsCRP) as a clinical biomarker for the diagnosis of diabetes subtypes. *Diabetologia* 2011; 54: 2801-10. (IF: 6,97)
20. Akdemir F, **Farkas R**, Chen P, Juhasz G, **Medved'ová L**, Sass M, Wang L, Wang X, Chittaranjan S, Gorski SM, Rodriguez A, Abrams JM. Autophagy occurs upstream or parallel to the apoptosome during histolytic cell death. *Development* 2006; 133: 1457-65. (IF: 6,89)

* uvedený je impakt faktor za rok 2010