

**СПИСЪК НА ОТКРИТИ ЦИТИРАНИЯ НА СТАТИИТЕ НА ВЕЛИЗАР СТЕФАНОВ ШИВАРОВ  
ПО ДАННИ ОТ SCOPUS И GOOGLE SCHOLAR КЪМ 27.06.2014 г.**

**Shivarov V**, Ivanova M, Tiu RV. Mutated calreticulin retains structurally disordered C terminus that cannot bind Ca(2+): some mechanistic and therapeutic implications. *Blood Cancer J.* 2014 Feb 21;4:e185.

1. Guglielmelli P, Bartalucci N, Rotunno G, Vannucchi AM. Calreticulin: a new horizon for the testing and treatment of myeloproliferative neoplasms. *Expert Rev Hematol.* 2014 May 22:1-3. [Epub ahead of print]

**Shivarov V**, Ivanova M, Hadjiev E, Naumova E. Novel Multiplex Bead-Based Assay for Detection of IDH1 and IDH2 Mutations in Myeloid Malignancies. *PLoS One.* 2013 Sep 30;8(9):e76944.

2. Shivarov V, Ivanova M, Naumova E. Rapid Detection of DNMT3A R882 Mutations in Hematologic Malignancies Using a Novel Bead-Based Suspension Assay with BNA(NC) Probes. *PLoS One.* 2014 Jun 10;9(6):e99769.

**Shivarov V**, Dimitrova P, Vassilev T. Complex downstream effects of nuclear export inhibition in B-cell lymphomas: a possible role for activation-induced cytidine deaminase (AID). *Haematologica.* 2013 Sep;98(9):e111-3.

3. Azmi AS, Mohammad RM. Providing activation-induced cytidine deaminase (AID) to nuclear export inhibitors. Response to: "Complex downstream effects of nuclear export inhibition in B-cell lymphomas: a possible role for activation-induced cytidine deaminase". *Haematologica.* 2013 Sep;98(9):e123.

**Shivarov V**, Gueorguieva R, Stoimenov A, Tiu R. DNMT3A mutation is a poor prognosis biomarker in AML: Results of a meta-analysis of 4500 AML patients. *Leuk Res.* 2013 Nov;37(11):1445-50.

4. Shivarov V, Ivanova M, Naumova E. Rapid Detection of DNMT3A R882 Mutations in Hematologic Malignancies Using a Novel Bead-Based Suspension Assay with BNA(NC) Probes. *PLoS One.* 2014 Jun 10;9(6):e99769.
5. Berenstein, R., Blau, I.W., Kar, A., Cay, R., Sindram, A., Seide, C., Blau, O. Comparative examination of various PCR-based methods for DNMT3A and IDH1/2 mutations identification in acute myeloid leukemia (2014) *Journal of Experimental and Clinical Cancer Research*, 33 (1),
6. White, B.S., DiPersio, J.F. Genomic tools in acute myeloid leukemia: From the bench to the bedside (2014) *Cancer*, 120 (8), pp. 1134-1144.
7. Schwarz, J., Marková, J. DNMT3A mutations in AML: A new prognostic factor? (2013) *Leukemia Research*, 37 (11), pp. 1432-1433.
8. Liu WJ, Tan XH, Luo XP, Guo BP, Wei ZJ, Ke Q, He S, Cen H. Prognostic significance of Tet methylcytosine dioxygenase 2 (TET2) gene mutations in adult patients with acute myeloid leukemia: a meta-analysis. *Leuk Lymphoma.* 2014 Mar 31. [Epub ahead of print]
9. Tie R, Zhang T, Fu H, Wang L, Wang Y, He Y, Wang B, Zhu N, Fu S, Lai X, Shi J, Huang H. Association between DNMT3A Mutations and Prognosis of Adults with De Novo Acute Myeloid Leukemia: A Systematic Review and Meta-Analysis. *PLoS One.* 2014 Jun 17;9(6):e93353.

**Shivarov V**, Ivanova M, Yaneva S, Petkova N, Hadjiev E, Naumova E. Quantitative bead-based assay for detection of JAK2 exon 12 mutations. *Leuk Lymphoma.* 2013 Jun;54(6):1343-4.

10. Shivarov V, Ivanova M, Naumova E. Rapid Detection of DNMT3A R882 Mutations in Hematologic Malignancies Using a Novel Bead-Based Suspension Assay with BNA(NC) Probes. *PLoS One*. 2014 Jun 10;9(6):e99769.
11. Shivarov V, Ivanova M, Hadjiev E, Naumova E. Novel Multiplex Bead-Based Assay for Detection of IDH1 and IDH2 Mutations in Myeloid Malignancies. *PLoS One*. 2013 Sep 30;8(9):e76944.
12. Furtado LV, Weigelin HC, Elenitoba-Johnson KS, Betz BL. A multiplexed fragment analysis-based assay for detection of JAK2 exon 12 mutations. *J Mol Diagn*. 2013 Sep;15(5):592-9.

Gu X, **Shivarov V**, Strout MP. The role of activation-induced cytidine deaminase in lymphomagenesis. *Curr Opin Hematol*. 2012 Jul;19(4):292-8.

13. Laffleur, B., Denis-Lagache, N., Péron, S., Sirac, C., Moreau, J., Cogné, M. AID-induced remodeling of immunoglobulin genes and B cell fate (2014) *Oncotarget*, 5 (5), pp. 1118-1131.
14. Cogné, M. Activation-induced deaminase in B lymphocyte maturation and beyond (2013) *Biomedical Journal*, 36 (6), pp. 259-268.
15. Gaillard, H., Herrera-Moyano, E., Aguilera, A. Transcription-associated genome instability (2013) *Chemical Reviews*, 113 (11), pp. 8638-8661.
16. Shivarov, V., Dimitrova, P., Vassilev, T. Complex downstream effects of nuclear export inhibition in B-cell lymphomas: A possible role for activation-induced cytidine deaminase (AID) (2013) *Haematologica*, 98 (9), pp. e111-e113.
17. Kondilis-Mangum, H.D., Wade, P.A. Epigenetics and the adaptive immune response (2013) *Molecular Aspects of Medicine*, 34 (4), pp. 813-825.
18. Sun, Y., Peng, I., Senger, K., Hamidzadeh, K., Reichelt, M., Baca, M., Yeh, R., Lorenzo, M.N., Sebrell, A., Dela Cruz, C., Tam, L., Corpuz, R., Wu, J., Sai, T., Roose-Girma, M., Warming, S., Balazs, M., Gonzalez, L.C., Caplazi, P., Martin, F., Devoss, J., Zarrin, A.A. Critical role of activation induced cytidine deaminase in Experimental Autoimmune Encephalomyelitis (2013) *Autoimmunity*, 46 (2), pp. 157-167.
19. Zan, H., Casali, P. Regulation of Aicda expression and AID activity(2013) *Autoimmunity*, 46 (2), pp. 83-101.
20. Takata, K., Sato, Y., Nakamura, N., Tokunaka, M., Miki, Y., Yukie Kikuti, Y., Igarashi, K., Ito, E., Harigae, H., Kato, S., Hayashi, E., Oka, T., Hoshii, Y., Tari, A., Okada, H., Mohamad, A.A.L., Maeda, Y., Tanimoto, M., Kinoshita, T., Yoshino, T. Duodenal follicular lymphoma lacks AID but expresses BACH2 and has memory B-cell characteristics (2013) *Modern Pathology*, 26 (1), pp. 22-31.
21. Li, Marilyn M., April A. Ewton, and Janice L. Smith. "Using Cytogenetic Rearrangements for Cancer Prognosis and Treatment (Pharmacogenetics)." *Current Genetic Medicine Reports* 1.2 (2013): 99-112.
22. Put, Natalie. "Cytogenetic and genomic assessment of selected lymphoproliferative disorders." (2012).

Dimitrova P, Vassilev T, **Shivarov V**. Inhibition or overactivation of AICDA to eliminate pathologic B cell clones? Comment on the article by Hsu et al. *Arthritis Rheum*. 2011 Oct;63(10):3174-5.

23. Shivarov, Velizar, Petya Dimitrova, and Tchavdar Vassilev. "Complex downstream effects of nuclear export inhibition in B-cell lymphomas: a possible role for activation-induced cytidine deaminase (AID)." *haematologica* 98.9 (2013): e111-e113.

24. Azmi, Asfar S., and Ramzi M. Mohammad. "Providing activation-induced cytidine deaminase (AID) to nuclear export inhibitors. Response to: "Complex downstream effects of nuclear export inhibition in B-cell lymphomas: a possible role for activation-induced cytidine deaminase". " *Haematologica* 98.9 (2013): e123-e123.

**Shivarov V**, Ivanova M, Hadjiev E, Naumova E. Rapid quantification of JAK2 V617F allele burden using a bead-based liquid assay with locked nucleic acid-modified oligonucleotide probes. *Leuk Lymphoma*. 2011 Oct;52(10):2023-6.

25. Shivarov, Velizar, et al. "Quantitative bead-based assay for detection of JAK2 exon 12 mutations." *Leukemia & lymphoma* 54.6 (2013): 1343-1344.
26. Shivarov, Velizar, Milena Ivanova, and Elissaveta Naumova. "Rapid Detection of DNMT3A R882 Mutations in Hematologic Malignancies Using a Novel Bead-Based Suspension Assay with BNA (NC) Probes." *PloS one* 9.6 (2014): e99769.
27. Shivarov, Velizar, et al. "Novel Multiplex Bead-Based Assay for Detection of IDH1 and IDH2 Mutations in Myeloid Malignancies." *PloS one* 8.9 (2013): e76944.
28. 邵冬华, et al. "评价 AS-LNA-qPCR 法检测 JAK2 V617F 突变率的临床应用价值." *中华血液学杂志* 34.5 (2013): 421-425.

Ivanova MI, **Shivarov VS**, Hadjiev EA, Naumova EJ. Novel multiplex bead-based assay with LNA-modified probes for detection of MPL exon 10 mutations. *Leuk Res*. 2011 Aug;35(8):1120-3.

29. Shivarov V, Ivanova M, Naumova E. Rapid Detection of DNMT3A R882 Mutations in Hematologic Malignancies Using a Novel Bead-Based Suspension Assay with BNA(NC) Probes. *PLoS One*. 2014 Jun 10;9(6):e99769.
30. Deng, Y.-B., Nong, L.-G., Liang, Z.-R., Zhang, L., Qin, Y.-H., He, P. Hepatitis C virus gene-specific locked nucleic acid enzyme significantly inhibits C gene expression in vitro (2014) *World Chinese Journal of Digestology*, 22 (14), pp. 1992-1997.
31. Wu, Z., Zhang, Y., Zhang, X., Xu, X., Kang, Z., Li, S., Zhang, C., Su, B., Guan, M. A multiplex snapback primer system for the enrichment and detection of JAK2 V617F and MPL W515L/K mutations in philadelphia-negative myeloproliferative neoplasms (2014) *BioMed Research International*, 2014, art. no. 458457.
32. Furtado, L.V., Weigelin, H.C., Elenitoba-Johnson, K.S.J., Betz, B.L. Detection of MPL mutations by a novel allele-specific PCR-based strategy (2013) *Journal of Molecular Diagnostics*, 15 (6), pp. 810-818.
33. Shivarov, V., Ivanova, M., Hadjiev, E., Naumova, E. Novel Multiplex Bead-Based Assay for Detection of IDH1 and IDH2 Mutations in Myeloid Malignancies (2013) *PLoS ONE*, 8 (9), art. no. e76944.
34. Shivarov, V., Ivanova, M., Yaneva, S., Petkova, N., Hadjiev, E., Naumova, E. Quantitative bead-based assay for detection of JAK2 exon 12 mutations (2013) *Leukemia and Lymphoma*, 54 (6), pp. 1343-1344.
35. Deng, Y.-B., Wen, W.-R. Antiviral effects of locked nucleic acid antisense oligonucleotides targeting the HBV preS1 gene in HepG2 2.2.15 cells (2012) *World Chinese Journal of Digestology*, 20 (22), pp. 2024-2029.

Angelova S, Spassova S, Toshkov S, **Shivarov V**. Chromosomal translocation t(9;22)(p24;q11) appears to be recurrently associated with myeloid malignancy with aggressive course. *Leuk Lymphoma*. 2011 Sep;52(9):1809-10.

36. Bain, Barbara J., and Shahzaib Ahmad. "Should myeloid and lymphoid neoplasms with PCM1-JAK2 and other rearrangements of JAK2 be recognized as specific entities?." *British journal of haematology* (2014).

**Shivarov, V.**, Shinkura, R., Doi, T., Begum, NA, Nagaoka, H., Okazaki, I., Ito, S., Nonaka, T., Kinoshita, K., Honjo, T. Molecular mechanism for generation of anti-body memory. *Phil. Trans. R. Soc. B.* 2009 Mar 12;364(1517):569-75.

37. Bernal, M., Ruiz-Cabello, F., Concha, A., Paschen, A., Garrido, F. Implication of the  $\beta$ 2-microglobulin gene in the generation of tumor escape phenotypes (2012) *Cancer Immunology, Immunotherapy*, 61 (9), pp. 1359-1371.
38. Mahdaviani, S.A., Hirbod-Mobarakeh, A., Wang, N., Aghamohammadi, A., Hammarström, L., Masjedi, M.R., Pan-Hammarström, Q., Rezaei, N. Novel mutation of the activation-induced cytidine deaminase gene in a Tajik family: Special review on hyper-immunoglobulin M syndrome (2012) *Expert Review of Clinical Immunology*, 8 (6), pp. 539-546.
39. L'Huillier, A.G., Ferry, T., Courvoisier, D.S., Aebi, C., Cheseaux, J.-J., Kind, C., Rudin, C., Nadal, D., Hirscher, B., Sottas, C., Siegrist, C.-A., Posfay-Barbe, K.M. Impaired antibody memory to varicella zoster virus in HIV-infected children: Low antibody levels and avidity (2012) *HIV Medicine*, 13 (1), pp. 54-61.
40. Pastelin-Palacios, R., Gil-Cruz, C., Pérez-Shibayama, C.I., Moreno-Eutimio, M.A., Cervantes-Barragán, L., Arriaga-Pizano, L., Ludewig, B., Cunningham, A.F., García-Zepeda, E.A., Becker, I., Alpuche-Aranda, C., Bonifaz, L., Gunn, J.S., Isibasi, A., López-Macías, C. Subversion of innate and adaptive immune activation induced by structurally modified lipopolysaccharide from *Salmonella typhimurium* (2011) *Immunology*, 133 (4), pp. 469-481.
41. Slatter, M.A., Gennery, A.R. Primary immunodeficiency syndromes (2010) *Advances in Experimental Medicine and Biology*, 685, pp. 146-165.
42. Fujimoto, K., Konishi-Hiratsuka, K., Sakamoto, T., Yoshimura, Y. Site-specific photochemical RNA editing (2010) *Chemical Communications*, 46 (40), pp. 7545-7547.
43. Chahwan, R., Wontakal, S.N., Roa, S. Crosstalk between genetic and epigenetic information through cytosine deamination (2010) *Trends in Genetics*, 26 (10), pp. 443-448.
44. Marusawa, H., Chiba, T. *Helicobacter pylori*-induced activation-induced cytidine deaminase expression and carcinogenesis (2010) *Current Opinion in Immunology*, 22 (4), pp. 442-447.
45. Kim, Y., Tian, M. The recruitment of activation induced cytidine deaminase to the immunoglobulin locus by a regulatory element (2010) *Molecular Immunology*, 47 (9), pp. 1860-1865.
46. Luo, H., Tian, M. Transcription factors PU.1 and IRF4 regulate activation induced cytidine deaminase in chicken B cells (2010) *Molecular Immunology*, 47 (7-8), pp. 1383-1395.
47. Slatter, M.A., Gennery, A.R. Primary immunodeficiencies associated with DNA-repair disorders (2010) *Expert Reviews in Molecular Medicine*, 12, art. no. e9.
48. Sakaguchi, N., Toda, T., Nakaya, T., Kitabatake, M., Maeda, K., Kuwahara, K. Generation of high affinity monoclonal antibodies for the prevention of HIV infection (2009) *Recent Patents on DNA and Gene Sequences*, 3 (2), pp. 88-95.
49. Kim, Y., Tian, M. NF- $\kappa$ B family of transcription factor facilitates gene conversion in chicken B cells (2009) *Molecular Immunology*, 46 (16), pp. 3283-3291.

50. Goto, Ayako, et al. "Aberrant activation-induced cytidine deaminase expression is associated with mucosal intestinalization in the early stage of gastric cancer." *Virchows Archiv* 458.6 (2011): 717-724.
51. Pastelin-Palacios, Rodolfo, et al. "Subversion of innate and adaptive immune activation induced by structurally modified lipopolysaccharide from *Salmonella typhimurium*." *Immunology* 133.4 (2011): 469-481.
52. Rijkers, Ger T. "A3 Antibody diversity and B lymphocyte-mediated immunity." *Principles of Immunopharmacology*. Birkhäuser Basel, 2011. 29-46.
53. Farhadi, E., et al. "< i> AICDA</i> single nucleotide polymorphism in common variable immunodeficiency and selective IgA deficiency." *Allergologia et immunopathologia* (2013).
54. Paull, Tanya T., and Vishwanath Iyer. "Identification and Characterization of a Positive Control Region for Activation Induced Cytidine Deaminase Mediated Gene Conversion in Chicken B Cells."
55. L'Huillier, Arnaud. *Immunité humorale contre la varicelle déficiente chez les enfants infectés par le VIH: des taux d'anticorps spécifiques bas et de basse avidité*. Diss. University of Geneva, 2011.
56. Bernal Sánchez, Mónica. "Cáncer colorectal e inestabilidad genómica: asociación con la pérdida de HLA y con el patrón de infiltración inflamatoria tumoral." (2014).
57. Haddad, Dania. *Elongation transcriptionnelle dans le locus des chaînes lourdes des immunoglobulines*. Diss. Université de Toulouse, Université Toulouse III-Paul Sabatier, 2010.

**Shivarov, V.**, Stoimenov, A., Galabova, I., Balatzenko, G., Guenova, M. Very early onset of an acute myeloid leukemia in an adult patient with B-cell lympho-blastemic leukemia. *Int J Lab Haematol*. 2009 Feb;31(1):106-13.

58. Park, B.G., Park, C.-F., Jang, S., Seo, E.J., Chi, H.-S., Lee, J.-H. Erythroleukemia relapsing as precursor B-cell lymphoblastic leukemia (2011) *Korean Journal of Laboratory Medicine*, 31 (2), pp. 81-85.
59. Vincenzetti, S., Carpi, F.M., Vita, A. The cytidine deaminase family: A review (2009) *Current Topics in Peptide and Protein Research*, 10, pp. 1-22.
60. Hafiza, A., et al. "Early lineage switch from T-acute lymphoblastic leukaemia to common B-all." *Medicine & Health* 6.2 (2011): 131-138.
61. Klauke, Karin, et al. "The dynamic behavior and cellular evolution of multilineage leukemias induced by the Polycomb group protein Cbx7." *PIGENETIC REGULATION OF NORMAL AND MALIGNANT HEMATOPOIESIS* 115.13 (2013): 113.

**Shivarov, V.**, Shinkura, R., Honjo, T. Dissociation of in vitro DNA deamination activity and physiological functions of AID mutants. *Proc Natl Acad Sciences*. 2008 Oct 14;105(41):15866-71 .

62. Sabouri, S., Kobayashi, M., Begum, N.A., Xu, J., Hirota, K., Honjo, T. C-terminal region of activation-induced cytidine deaminase (AID) is required for efficient class switch recombination and gene conversion (2014) *Proceedings of the National Academy of Sciences of the United States of America*, 111 (6), pp. 2253-2258.
63. Hu, Y., Ericsson, I., Torseth, K., Methot, S.P., Sundheim, O., Liabakk, N.B., Slupphaug, G., Di Noia, J.M., Krokan, H.E., Kavli, B. A combined nuclear and nucleolar localization motif in activation-induced cytidine deaminase (AID) controls immunoglobulin class switching (2013) *Journal of Molecular Biology*, 425 (2), pp. 424-443.
64. Mahdaviani, S.A., Hirbod-Mobarakeh, A., Wang, N., Aghamohammadi, A., Hammarström, L., Masjedi, M.R., Pan-Hammarström, Q., Rezaei, N. Novel mutation of the activation-induced cytidine deaminase

- gene in a Tajik family: Special review on hyper-immunoglobulin M syndrome (2012) Expert Review of Clinical Immunology, 8 (6), pp. 539-546.
65. Chen, S., Qiu, J., Chen, C., Liu, C., Liu, Y., An, L., Jia, J., Tang, J., Wu, L., Hang, H. Affinity maturation of anti-TNF-alpha scFv with somatic hypermutation in non-B cells (2012) Protein and Cell, 3 (6), pp. 460-469.
  66. Kato, L., Stanlie, A., Begum, N.A., Kobayashi, M., Aida, M., Honjo, T. An evolutionary view of the mechanism for immune and genome diversity (2012) Journal of Immunology, 188 (8), pp. 3559-3566.
  67. Honjo, T., Kobayashi, M., Begum, N., Kotani, A., Sabouri, S., Nagaoka, H. The AID Dilemma. Infection, or Cancer? (2012) Advances in Cancer Research, 113, pp. 1-44.
  68. Dimitrova, P., Vassilev, T., Shivarov, V. Inhibition or overactivation of AICDA to eliminate pathologic B cell clones? Comment on the article by Hsu et al (2011) Arthritis and Rheumatism, 63 (10), pp. 3174-3175.
  69. Ikeda, T., Abd El Galil, K.H., Tokunaga, K., Maeda, K., Sata, T., Sakaguchi, N., Heidmann, T., Koito, A. Intrinsic restriction activity by apolipoprotein B mRNA editing enzyme APOBEC1 against the mobility of autonomous retrotransposons (2011) Nucleic Acids Research, 39 (13), pp. 5538-5554.
  70. Wei, M., Shinkura, R., Doi, Y., Maruya, M., Fagarasan, S., Honjo, T. Mice carrying a knock-in mutation of Aicda resulting in a defect in somatic hypermutation have impaired gut homeostasis and compromised mucosal defense (2011) Nature Immunology, 12 (3), pp. 264-270.
  71. Zan, H., Zhang, J., Al-Qahtani, A., Pone, E.J., White, C.A., Lee, D., Yel, L., Mai, T., Casali, P. Endonuclease G plays a role in immunoglobulin class switch DNA recombination by introducing double-strand breaks in switch regions (2011) Molecular Immunology, 48 (4), pp. 610-622.
  72. Marantidou, F., Dagklis, A., Stalika, E., Korkolopoulou, P., Saetta, A., Anagnostopoulos, A., Laoutaris, N., Stamatopoulos, K., Belessi, C., Scouras, Z., Patsouris, E. Activation-induced cytidine deaminase splicing patterns in chronic lymphocytic leukemia (2010) Blood Cells, Molecules, and Diseases, 44 (4), pp. 262-267.
  73. Bascove, M., Frippiat, J.-P. Molecular characterization of Pleurodeles waltl activation-induced cytidine deaminase (2010) Molecular Immunology, 47 (7-8), pp. 1640-1649.
  74. Wang, M., Rada, C., Neuberger, M.S. Altering the spectrum of immunoglobulin V gene somatic hypermutation by modifying the active site of AID (2010) Journal of Experimental Medicine, 207 (1), pp. 141-153.
  75. Vincenzetti, S., Carpi, F.M., Vita, A. The cytidine deaminase family: A review (2009) Current Topics in Peptide and Protein Research, 10, pp. 1-22.
  76. Gonzalez, M.C., Suspène, R., Henry, M., Guétard, D., Wain-Hobson, S., Vartanian, J.-P. Human APOBEC1 cytidine deaminase edits HBV DNA (2009) Retrovirology, 6, art. no. 1742, p. 96.
  77. Patenaude, A.-M., Orthwein, A., Hu, Y., Campo, V.A., Kavli, B., Buschiazza, A., Di Noia, J.M. Active nuclear import and cytoplasmic retention of activation-induced deaminase (2009) Nature Structural and Molecular Biology, 16 (5), pp. 517-527.
  78. Shivarov, V., Shinkura, R., Doi, T., Begum, N.A., Nagaoka, H., Okazaki, I.-M., Ito, S., Nonaka, T., Kinoshita, K., Honjo, T. Molecular mechanism for generation of antibody memory (2009) Philosophical Transactions of the Royal Society B: Biological Sciences, 364 (1517), pp. 569-575.
  79. Doi, T., Kato, L., Ito, S., Shinkura, R., Wei, M., Nagaoka, H., Wang, J., Honjo, T. The C-terminal region of activation-induced cytidine deaminase is responsible for a recombination function other than DNA

- cleavage in class switch recombination (2009) Proceedings of the National Academy of Sciences of the United States of America, 106 (8), pp. 2758-2763.
80. Nonaka, T., Doi, T., Toyoshima, T., Muramatsu, M., Honjo, T., Kinoshita, K. Carboxy-terminal domain of AID required for its mRNA complex formation in vivo (2009) Proceedings of the National Academy of Sciences of the United States of America, 106 (8), pp. 2747-2751.
  81. Wu, X., Jelinek, D.F. Response: Cautious interpretation of assessment of AID variant activities using cells with endogenous AID expression (2009) Blood, 113 (8), p. 1864.
  82. van Maldegem, Febe, et al. "AID splice variants lack deaminase activity." *Blood* 113.8 (2009): 1862-1864.
  83. van Maldegem, Febe. *Immunoglobulin gene alterations in normal and neoplastic B cells*. 2009.
  84. Farhadi, E., et al. "< i> AICDA</i> single nucleotide polymorphism in common variable immunodeficiency and selective IgA deficiency." *Allergologia et immunopathologia* (2013).
  85. Bascove, Matthieu. *Etude du système immunitaire d'un amphibiens et analyse des effets de l'environnement sur sa réponse humorale*. Diss. Nancy 1, 2009.

Ivanova, M., Ruiqing, J., Matsushita, M., Ogawa, T., Kawai, S., Ochiai N., **Shivarov, V.**, Maruya, E., Saji, H. MBL2 SNPs diversity among four ethnic groups as revealed by a bead-based liquid array profiling. *Hum Immunology*. 2008 Dec;69(12):877-84.

86. Adamek, M., Heyder, J., Heinold, A., Fiedler, G., Opelz, G., Tran, T.H. Characterization of mannose-binding lectin (MBL) variants by allele-specific sequencing of MBL2 and determination of serum MBL protein levels (2013) *Tissue Antigens*, 82 (6), pp. 410-415.
87. Naumova, E., Ivanova, M., Pawelec, G., Constantinescu, I., Bogunia-Kubik, K., Lange, A., Oguz, F., Ozdilli, K., Franceschi, C., Caruso, C., Mishra, M., Middleton, D. 16th IHIW: Immunogenetics of Aging (2013) *International Journal of Immunogenetics*, 40 (1), pp. 77-81.
88. Bradley, D.T., Bourke, T.W., Fairley, D.J., Borrow, R., Shields, M.D., Young, I.S., Zipfel, P.F., Hughes, A.E. Genetic susceptibility to invasive meningococcal disease: MBL2 structural polymorphisms revisited in a large case-control study and a systematic review (2012) *International Journal of Immunogenetics*, 39 (4), pp. 328-337.
89. Andrade, E., Williams, C. The importance of developing novel diagnostic tools for congenital metabolic disorders (2012) *Journal of Pediatric Neurology*, 10 (2), pp. 83-85.
90. Ferraroni, N.R., Segat, L., Guimarães, R.L., Brandão, L.A.C., Crovella, S., Constantino-Silva, R.N., Loja, C., da Silva Duarte, A.J., Grumach, A.S. Mannose-binding lectin and MBL-associated serine protease-2 gene polymorphisms in a Brazilian population from Rio de Janeiro (2012) *International Journal of Immunogenetics*, 39 (1), pp. 32-38.
91. Tilio, S., Faucz, F.R., Werneck, R.I., Olandoski, M., Alexandre, R.B., Boldt, A.B.W., Pedroso, M.L., De Messias-Reason, I.J. MASP2 gene polymorphism is associated with susceptibility to hepatitis C virus infection (2011) *Human Immunology*, 72 (10), pp. 912-915.
92. Bourgey, M., Lariviere, M., Richer, C., Sinnett, D. ALG: Automated genotype calling of luminex assays (2011) *PLoS ONE*, 6 (5), art. no. e19368.
93. Ayaz, L., Dirlik, M., Tamer, L., Helvacı, I., Dağ, A. The role of mannose-binding lectin-2 gene polymorphisms in patients with colorectal cancer [Kolorektal kanserli hastalarda mannoz

- bağlayıcı{dotless}ci{dotless} lektin-2 gen polimorfizmin rolü] (2011) Turkish Journal of Biochemistry, 36 (1), pp. 55-60.
94. Naumova, E., Ivanova, M., Pawelec, G., Constantinescu, I., Bogunia-Kubik, K., Lange, A., Qguz, F., Carin, M., Franceschi, C., Caruso, C., Middleton, D. 'Immunogenetics of Aging': Report on the activities of the 15th International HLA and Immunogenetics Working Group and 15th International HLA and Immunogenetics Workshop (2011) *Tissue Antigens*, 77 (3), pp. 187-192.
  95. Cestari, I., Ramirez, M.I. Inefficient complement system clearance of *Trypanosoma cruzi* metacyclic trypomastigotes enables resistant strains to invade eukaryotic cells (2010) *PLoS ONE*, 5 (3), art. no. e9721.
  96. Barco, L., Lettini, A.A., Pozza, M.C.D., Ramon, E., Fasolato, M., Ricci, A. Fluoroquinolone resistance detection in *Campylobacter coli* and *Campylobacter jejuni* by luminex® xMAP™ technology (2010) *Foodborne Pathogens and Disease*, 7 (9), pp. 1039-1045.
  97. Shivarov, Velizar, Milena Ivanova, and Elissaveta Naumova. "Rapid Detection of DNMT3A R882 Mutations in Hematologic Malignancies Using a Novel Bead-Based Suspension Assay with BNA (NC) Probes." *PloS one* 9.6 (2014): e99769.
  98. Andrade, Edgard, and Charles Williams. "The importance of developing novel diagnostic tools for congenital metabolic disorders." *Journal of Pediatric Genetics* 1.3 (2012): 149-151.

**Shivarov, V.**, Nikolova, V., Balatzenko, G., Guenova, M. Microgranular relapse of typical hypergranular promyelocytic leukemia. *Leuk Lymphoma*. 2006 Dec;47(12):2661-3.

99. Dervesteanu, Mihaela, et al. "Acute promyelocytic leukemia microgranular variant—A clinical and therapeutical approach." *Mædica A Journal of Clinical Medicine* 2.4 (2007): 328.

**Shivarov, V.**, Dimitrov, J., Guenova, M. Lymphoid neoplasms in Bulgaria according to the WHO classification (2001). The experience of the National Center of Haematology. *Haematologica*. 2005 Dec;90(12 Suppl): ELT07

100. Chen, W.-L., Tsai, W.-C., Chao, T.-Y., Sheu, L.-F., Chou, J.-M., Kao, W.-Y., Chen, Y.-C., Ho, C.-L. The clinicopathological analysis of 303 cases with malignant lymphoma classified according to the World Health Organization classification system in a single institute of Taiwan (2010) *Annals of Hematology*, 89 (6), pp. 553-562.
101. Mushtaq, S., Akhtar, N., Jamal, S., Mamoon, N., Khadim, T., Sarfaraz, T., Waqar, A. Malignant lymphomas in Pakistan according to WHO classification of lymphoid neoplasms (2008) *Asian Pacific Journal of Cancer Prevention*, 9 (2), pp. 229-232.
102. Mwakigonja, Amos Rodger. *Kaposi's sarcoma and malignant lymphomas in Tanzania during the AIDS epidemic*. Institutionen für onkologi-patologi/Department of Oncology-Pathology, 2009.

Jelev, L., **Shivarov, V.**, Surchev, L. Bilateral variations of the psoas major and the iliocostalis muscles and presence of an undescribed variant muscle - accessory iliopsoas muscle. *Ann Anat*. 2005 July; 187 (3):281-286.

103. Philippon, M.J., Devitt, B.M., Campbell, K.J., Michalski, M.P., Espinoza, C., Wijdicks, C.A., Laprade, R.F. Anatomic variance of the iliopsoas tendon (2014) *American Journal of Sports Medicine*, 42 (4), pp. 807-811.
104. Battaglia, P.J., Scali, F., Enix, D.E. Co-presentation of unilateral femoral and bilateral sciatic nerve variants in one cadaver: A case report with clinical implications (2012) *Chiropractic and Manual Therapies*, 20, art. no. 34.

- 105.Arbanas, J., Starčević-Klasan, G., Malnar, D. Composition of the psoas major muscle regarding its complex function [Grada mišića musculus psoas major s obzirom na njegovu složenu funkciju] (2012) Medicina (Croatia), 48 (2), pp. 123-130.
- 106.Arbanas, J., Starčević-Klasan, G., Malnar, D. Composition of the psoas major muscle regarding its complex function [Grad{stroke}a mišića musculus psoas major s obzirom na njegovu složenu funkciju] (2012) Medicina Fluminensis, 48 (2), pp. 123-130.
- 107.Chaitow, L., DeLany, J. Clinical Application of Neuromuscular Techniques: Second Edition (2011) Clinical Application of Neuromuscular Techniques: Second Edition, 2, pp. 1-610.
- 108.Shu, B., Safran, M.R. Case report: Bifid iliopsoas tendon causing refractory internal snapping hip (2011) Clinical Orthopaedics and Related Research, 469 (1), pp. 289-293.
- 109.Al-Ajmi, A., Rousseff, R.T., Khuraibet, A.J. Iatrogenic femoral neuropathy: Two cases and literature update (2010) Journal of Clinical Neuromuscular Disease, 12 (2), pp. 66-75.
- 110.Grgić, V. Congenital hypoplasia of the lower portion of the left psoas muscle [Priroena hipoplazija donjeg dijela lijevoga m. psoasa] (2010) Lijecnicki Vjesnik, 132 (9-10), pp. 283-285.
- 111.D'Costa, S., Ramanathan, L.A., Madhyastha, S., Nayak, S.R., Prabhu, L.V., Rai, R., Saralaya, V.V., Prakash An accessory iliacus muscle: A case report (2008) Romanian Journal of Morphology and Embryology, 49 (3), pp. 407-409.
- 112.Polster, J.M., Elgabaly, M., Lee, H., Klika, A., Drake, R., Barsoum, W. MRI and gross anatomy of the iliopsoas tendon complex (2008) Skeletal Radiology, 37 (1), pp. 55-58.
- 113.ALEKSANDROVA, Joana N., Lina MALINOVA, and Lazar JELEV. "Variations of the iliacus muscle: report of two cases and review of the literature." *Int J Anat Var (IJAV)* 6 (2013): 149-152.
- 114.ONISÂI, LL, and M. GREAVU. "THE VASCULARISATION DEVELOPMENT AND SOURCES OF VASCULARISATION FOR THE ANTEROLATERAL ABDOMINAL MUSCLES." *Bulletin of the Transilvania University of Brasov, Series VI: Medical Sciences* 5.2 (2012).
- 115.刘建, 王玉洁, and 刘艳枚. "人髂腰肌的构筑学研究." *遵义医学院学报* 36.6 (2013): 515-517.
- 116.Theissig, Franziska. *Anatomische Grundlagen der lumbalen Plexusanästhesie*. Diss. Imu, 2008.