

## СПИСЪК СЪС ВСИЧКИ НАУЧНИ ТРУДОВЕ НА ДОЦ. КРАСИМИРА ТОДОРОВА, ДБН

Научни публикации 51 (Общ IF на публикациите в реферирани и рецензирани издания – 51.557, Общ брой цитирания – 124, h-index = 7)

### ПАТЕНТИ

2014, *Заявен в Национално патентно бюро* - “МЕТОД И КИТ ЗА ОТКРИВАНЕ НА ОНКОФУЗИОНЕН ПРОТЕИН”, Изобретатели: **доц. Красимира Тодорова**, доц. Сорен Хайрабедян Заявител: ИБИР-БАН, Красимира Тодорова, Сорен Хайрабедян

### АВТОРЕФЕРАТИ:

1. **Красимира О. Тодорова**. Изследване на биомаркери при простатен карцином с диагностична и терапевтична цел, 2006. Дисертационен труд на за присъждане на научно - образователна степен „Доктор“
2. **Красимира О. Тодорова**. Генно-регулаторна мрежа между микроРНК-204, онкофузията TMPRSS2-ERG и транскрипционни фактори със значение за метастазирането, 2015. Дисертационен труд на за присъждане на научна степен „Доктор на науките“

### КНИГИ, ГЛАВИ ОТ КНИГИ:

1. **Krassimira Todorova** and Soren Hayrabedyan: Chapter “The stem cell paradigm and its application to prostate cancer- an old and yet still young idea.”, pages 127-176 in Handbook of Prostate Cancer Cell Research: Growth, Signalling and Survival, Edited by Alan T. Meridith, 01/2009; Nova Science Publishers., NY, ISBN: 978-1-61728-435-9
2. Ivailo Vangelov, Julieta Dineva, **Krassimira Todorova**, Soren Hayrabedyan and Maria D. Ivanova (2012). Ovarian Biomarkers in Infertility, Trends in Immunolabelled and Related Techniques, Eltayb Abuelzein (Ed.), ISBN: 978-953-51-0570-1, InTech, (<http://www.intechopen.com/books/trends-in-immunolabelled-and-related-techniques/ovarian-biomarkers-in-infertility>)

### ПУБЛИКАЦИИ В РЕФЕРИРАНИ И РЕЦЕНЗИРАНИ СПИСАНИЯ

3. **Krassimira Todorova**, Metodi V Metodiev, Gergana Metodieva, Milcho Mincheff, Nelson Fernandez, Soren Hayrabedyan. Micro-RNA-204 participates in TMPRSS2:ERG regulation and androgen receptor reprogramming in prostate cancer. *Hormones and Cancer*. 8(1):28-48, 2017 Jan 3. doi: 10.1007/s12672-016-0279-9, **IF = 3.167**
4. Goodale L, Hayrabedran S, **Todorova K**, Roussev R, Ramu S, Stamatkin C, et al. PreImplantation Factor (PIF) Protects Cultured Embryos Against Oxidative Stress: Relevance for Recurrent Pregnancy Loss (RPL) Therapy. *Oncotarget*. 2017, **IF = 5.008**

5. Barnea, Eytan R., Hayrabedian, Soren, **Todorova, Krassimira**, Almogi-Hazan, Osnat, Or, Reuven, Guingab, Joy, McElhinney, James, Fernandez, Nelson, Barder, Timothy, PreImplantation factor (PIF\*) regulates systemic immunity and targets protective regulatory and cytoskeleton proteins. *Immunobiology* <http://dx.doi.org/10.1016/j.imbio.2016.02.004>, **IF = 3.044**
6. Chen YC, Rivera J, Fitzgerald M, Hausding C, Ying YL, Wang X, **Todorova K**, Hayrabedian S, Barnea ER, Peter K. PreImplantation factor prevents atherosclerosis via its immunomodulatory effects without affecting serum lipids. *Thromb Haemost.* 2016 Feb 4;115(5). [Epub ahead of print] PubMed PMID: 26842698, **IF = 5.255**
7. Soren Hayrabedian, **Krassimira Todorova**, Asma Jabeen, Gergana, Metodieva, Stavri Toshkov, Metodi V. Metodiev, Milcho Mincheff, Nelson Fernández. Sertoli cells have a functional NALP3 inflammasome that can modulate autophagy and cytokine production. *Scientific Reports* | 5:18896 | DOI: 10.1038/srep18896; received: 15 September 2015; accepted: 27 November 2015; Published: 8 January 2016 Nature Publishing Group, **IF = 5.578**
8. Krassimira Todorova, Metodi V. Metodiev, Gergana Metodieva, Diana Zasheva, Milcho Mincheff, and Soren Hayrabedian. miR-204 is Dysregulated in Metastatic Prostate Cancer In Vitro. *Molecular Carcinogenesis*, 2015; Published online in Wiley Online Library (wileyonlinelibrary.com), **IF= 4.8**
9. **Krassimira Todorova**, Kristiyan Kanev, Diana Zasheva, Soren Hayrabedian. Dualistic role of microrna-204 in lymph node prostate cancer cell line model. *Andrologia*, vol 24, Iss. 3, 2015
10. Soren B. Hayrabedian, Diana Y. Zasheva, **Krassimira O. Todorova**. NLRs challenge impacts tight junction claudins in sertoli cells. *Folia Medica*, 2015; 57(1): 43-48
11. **K. Todorova**, S. Hayrabedian. miR-15A reconstitution in prostate cancer cell line suppresses cancer progression through down regulation of MYB and androgen receptor upregulation. *Acta Medica Bulgarica*, Vol. XLII, 2015, No 1, pp 18-22.
12. S. Hayrabedian, **K. Todorova**. NALP signalling is required in Sertoli cells for tight-junction protein interaction. *Acta Medica Bulgarica*, Vol. XLII, 2015, No 1, pp12-17.
13. Elena Kistanova, Mihail Chervenkov, Kiril Shumkov, Rayko Peshev, **Krassimira Todorova**, Soren Hayrabedian, Desislava Abadjieva, Almantas Shimkus and Aldone Shimkiene Immunostimulatory Properties of Spirulina platensis against Rabbit Haemorrhagic Disease Virus (14-131). *Pakistan Veterinary Journal* 2015, **IF = 1.392**.
14. Eytan R. Barnea, David Kirk, **Krassimira Todorova**, James McElhinney, Soren Hayrabedian, Nelson Fernández. PIF direct immune regulation: Blocks mitogen-activated PBMCs proliferation, promotes TH2/TH1 bias, independent of Ca2+. *Immunobiology*. 2015 <http://dx.doi.org/10.1016/j.imbio.2015.01.010>, **IF = 3.044**
15. Soren Hayrabedian, Elina Avramaska, **Krassimira Todorova**. Stemness applied to testis stem cell niche. *Andrologia*, vol 25, Iss. 4, 2015, pp 7-14
16. Barnea ER, Lubman DM, Liu Y-H, Absalon-Medina V, Hayrabedian S, **Todorova K**, et al. (2014) Insight into PreImplantation Factor (PIF\*) Mechanism for Embryo Protection and Development: Target Oxidative Stress and Protein Misfolding (PDI and HSP) through Essential RIPK Binding Site. *PLoS ONE* 9(7): e100263. doi:10.1371/journal.pone.0100263, **IF = 3.534**

17. **Krassimira Todorova**, Diana Zasheva, Kristiyan Kanev, and Soren Hayrabedyan. "miR-204 Shifts the Epithelial to Mesenchymal Transition in Concert with the Transcription Factors RUNX2, ETS1, and cMYB in Prostate Cancer Cell Line Model," *Journal of Cancer Research*, vol. 2014, Article ID 840906, 14 pages, 2014. doi:10.1155/2014/840906
18. **Krassimira Todorova**, Diana Zasheva, Soren Hayrabedyan. Innate immunity challenge differently modulates inflammatory and apoptosis regulation in lymph node and bone marrow metastatic cell line models, favoring higher metastatic phenotype. *Comptes rendus de l'Académie bulgare des Sciences*, Tome 67, No 11, 2014, 1575-1582, **IF = 0.284**
19. Soren Hayrabedyan, **Krassimira Todorova**, Diana Zasheva, Daniela Moyankova, Desislava Georgieva, Jordana Todorova & Dimitar Djilianov (2013). Haberlea Rhodopensis has Potential as a New Drug Source Based on its Broad Biological Modalities, *Biotechnology & Biotechnological Equipment*, 27:1, 3553-3560, **IF = 0.379**
20. Nelly Manolova, Soren Hayrabedyan, **Krassimira Todorova**, Diana Zasheva, Milena Mourjeva, Stanimir Kyurkchiev & Maria Stamenova (2013) Endometriosis Peritoneal Fluid Factors Involved in the Alteration of Decidualization Process, *Biotechnology & Biotechnological Equipment*, 27:4, 3982-3986, DOI: 10.5504/BBEQ.2013.0032, **IF = 0.379**
21. Nelly Manolova, Soren Hayrabedyan, **Krassimira Todorova**, Diana Zasheva, Milena Mourjeva, Stanimir Kyurkchiev, Maria Stamenova. In search of factors in endometriosis peritoneal fluid that decreased decidualization process. *Comptes rendus de l'Académie bulgare des Sciences* 2013, Vol 66, No1, pp.153-162, **IF = 0.211**
22. Soren Hayrabedyan, Milcho Mincheff, Diana Zasheva, Nelly Manolova, **Krassimira Todorova**. Autophagy signalling is differentially modulated by miR-204 in context of innate immunity induction. *Comptes rendus de l'Académie bulgare des Sciences*, 2013, Vol 66, No1, pp.127-132, **IF = 0.198**
23. **Todorova, K.**, Mincheff, M., Hayrabedyan, S., Mincheva, J., Zasheva, D., Kuzmanov, A., Fernández, N. Fundamental Role of microRNAs in Androgen-Dependent Male Reproductive Biology and Prostate Cancerogenesis. *Am J Reprod Immunol*. 2013 Feb;69(2):100-4, **IF = 3.05**
24. Spencer, P.S., Hakam, S.M., Laissue, P.P., Jabeen, A., Jain, P., Hayrabedyan, S., **Todorova, K.**, Blanch, A., Mcelhinney, J.M., Muhandiram, N., Alkhatib, S., Dealtry, G.B., Miranda-Sayago, J.M., Fernández, N. Key Cellular Components and Interactive Histocompatibility Molecules Regulating Tolerance to the Fetal Allograft. *Am J Reprod Immunol*. 2012 Aug;68(2):95-9, **IF = 3.05**
25. Hayrabedyan, S., **Todorova, K.**, Pashova, S., Mollova, M., Fernández, N. Sertoli Cell Quiescence - New Insights. *Am J Reprod Immunol*. 2012 Dec;68(6):451-5, **IF = 3.05**
26. **K. Todorova**, N. Manolova, D. Zasheva and S. Hayrabedyan. A relationship between microrna204 and occludin in prostate cancer inflammation signaling. *Acta Medica Bulgarica*, Vol. XXXIX, 2012, № 2, pg. 23-28, ISSN: 0324-1750
27. **K. Todorova**, S. Hayrabedyan, J. Dineva, I. Vangelov, D. Zasheva, V. Penchev, G. Nikolov, M. Mollova and M. Ivanova. Cumulus biomarker evaluation for human oocyte quality prediction. *Acta Medica Bulgarica*, Vol. XXXIX, 2012, № 1, 70-76

28. **K. Todorova**, M. Mincheff, D. Zasheva, S. Hayrabedyan. The Role of miR-204 and NOD1 Receptor in Prostate Cancer Inflammation Signalling. *Comptes rendus de l'Academie bulgare des Sciences* 2012 Vol 65, No12, pp 1739-1744, ISSN: 1310-1331, **IF = 0.210**
29. Boyko Georgiev, Soren Hayrabedyan, **Krassimira Todorova**, Diana Zasheva, Paulina Taushanova, Dimitrina Kacheva, Peter J. Hansen. Sperm Proteins as Potential Markers of Boar Fertility. *Comptes rendus de l'Academie bulgare des Sciences* 2012 Vol 65, No4, pp. 533-540, **IF = 0.210**
30. **K. Todorova**, S. Hayrabedyan, J. Dineva, I. Vangelov C. Penchev, G. Nikolov, M. Mollova M. Ivanova. Studies on the genetic potential of cumulus cells as biomarkers for selection of oocytes in a program for *in vitro* fertilization. *Reproductive Health*, N18, 2011, pp 23 [in Bulgarian]
31. J. Dineva, AK. Wójtowicz, K. Augustowska, I. Vangelov, **K. Todorova**, E.L. Gregoraszczyk, M. D. Ivanova. Study on the control of apoptosis of porcine granulosa cells after *in vitro* luteinization. *Balkan network for Biotechnology in animal Reproduction, Proceedings*, Sofia, 24-25 March 2011, 63-69,
32. Dineva J., Vangelov I., Abrashev R., **Todorova K.**, Gulenova D, Nikolov G, Rangelov I., Stamenov G., Angelova M., Ivanova M.D. The survival role of Superoxide dismutase 1 (SOD1) on human granulosa luteinized cells *in vitro*. *Endocrine regulations*. Vol. 45, 175–181, 2011
33. Vangelov I., Dineva J., **Todorova K.**, Nikolov G, Gulenova D, Ivanova M.D. Anti-granulosa and anti-zona pellucida antibodies are associated with poor outcome of oocyte fertilization in infertile women with good response to controlled ovarian hyperstimulation (COH). *Comptes rendus de l'Academie bulgare des Sciences* ISSN: 1310-1331, **IF = 0.210**
34. Julieta Dineva, Ivaylo Vangelov, **Krassimira Todorova**, Radoslav Abrashev, Diana Gulenova, Georgui Nikolov, Maria Angelova, Maria Ivanova. Study on the relationship between activity of antioxidant enzymes Superoxide dismutase and Catalase in granulosa luteinized cells with COH/IVF outcome in infertile women. *Comptes rendus de l'Academie bulgare des Sciences* IF - 0.210 Volume 65, Issue No2, 2012, pp181-186
35. Dineva J., Vangelov I., **Todorova K.**, Stefanova T, Nikolov G, Gulenova D, Ivanova M.D. Relationship of Nitrate levels in follicular fluids (FFIs) and rate of apoptotic human granulosa luteinized cells (GLCs) with the COH/IVF outcome *Comptes rendus de l'Academie bulgare des Sciences* Volume 65, Issue No1, 2012, pp115-120 ISSN: 1310-1331, **IF = 0.210**
36. **Todorova K.**, D. Zasheva, S. Hayrabedyan, J. Dineva, I. Vangelov, V. Penchev, G. Nikolov, M. Mollova, M. Ivanova Gene panel in human cumulus cells as biomarker for successful *in vitro* procedures *Comptes rendus de l'Academie bulgare des Sciences*.2011, ISSN: 1310-1331 Vol 64, No8, pp.1143-1150, **IF = 0.219**
37. **Todorova K.**, I. Vangelov, J. Dineva, V. Penchev, S. Hayrabedyan, G. Nikolov, M. Mollova, M. Ivanova. Lysil oxidase as a potential biomarker for predicting oocyte quality. *Comptes rendus de l'Academie bulgare des Sciences*.2011, Vol 64, No9, pp.1355-1362, **IF = 0.219**
38. **K. Todorova**, S. Hayrabedyan, T. Shamov, M. Karaivanov, A. Kuzmanov, S. Kyurkchiev, I. Kehayov. Quantitative evaluation of AMACR in glioblastoma. *Comptes*

*rendus de l'Academie bulgare des Sciences*, 2007, Tome 60, No10 pp.1123-1126, **IF = 0.160**

39. **K. Todorova**, T. Shamov, S. Hayrabedyan, A. Kuzmanov, S. Kyurkchiev, I. Kehayov Quantitative evaluation of angiogenesis in glioblastoma with CD105. *Comptes rendus de l'Academie bulgare des Sciences*, 2007, Tome 60, No. 5, pp.577-580, **IF = 0.160**
40. Kuzmanov, S. Hayrabedyan, M. Karaivanov, **K. Todorova**. Basal cell subpopulation as putative human prostate carcinoma stem cells. *Folia Histochem Cytobiol.* 2007, Vol. 45, N 2 pp 75-80, **IF = 1.081**
41. Kuzmanov A., **Todorova K.**, Hayrabedyan S., Karaivanov M., Kehayov I., Kyurkchiev S. Subpopulation of basal cell as putative human prostate carcinoma stem cells. *Comptes rendus de l'Academie bulgare des Sciences*, 2006, Tome 59, N 12, pp 1327-1330
42. Karaivanov M\*, **Todorova K\***, Kuzmanov A, Hayrabedyan S. Quantitative immunohistochemical detection of the molecular expression patterns in proliferative inflammatory atrophy. *J Mol Histol.* 2006 Dec 15. (\*equal contribution with the first author), **IF = 1.484**
43. Karaivanov M., **Todorova K.**, Kuzmanov A., Hayrabedyan S., Kehayov I., Kyurkchiev S. Immunohistochemical comparative analysis of the expression of p63, AMACR, COX-2 and GSTP1 in proliferative inflammatory atrophy, prostate intraepithelial neoplasia and prostate carcinoma: differential diagnosis and predicative significance. *Comptes rendus de l'Academie bulgare des Sciences*, 2006; Tome 59, N8, pp. 885-889
44. **Todorova K.**, Hayrabedyan S., Kuzmanov A. Karaivanov M. Kehayov I., Kyurkchiev S. Expression patterns of PSMA, COX-2, iNOS and GST in prostate carcinoma, adenoma and normal human tissues. *Comptes rendus de l'Academie bulgare des Sciences*, 2006; Tome 59, N4, pp.459-462
45. **Todorova K.**, Hayrabedyan S., Kehayov I., Kyurkchiev S. Quantitive assessment of the expression levels of PSMA, hCG and endoglin in prostate carcinoma tissues. *Clinical Application of Immunology*, 2006, N3, p512-515
46. **Todorova K.**, Zoubak S., Mincheff M., Kyurkchiev S. Biochemical Nature and mapping of PSMA epitopes recognized by human antibodies induced after immunization with gene-based vaccines. *Anticancer research*, 2005; Vol. 25;4727-4732, **IF = 1.414**
47. **Todorova K.**, Ignatova I., Botev Ch., Mincheff M., Kyurkchiev S. Biochemical characteristic of epitopes recognized by antibodies induced after gene-based vaccination in prostate cancer patients. *Comptes rendus de l'Academie bulgare des Sciences*, 2005; Tome 58, N1, pp.79-84
48. **Krasimira Todorova**, Irena Ignatova, Stoyan Tchakarov, Iskra Altankova, Serguei Zoubak, Stanimir Kyurkchiev, and Milcho Mincheff. Humoral immune response in prostate cancer patients after immunization with gene-based vaccines that encode for a protein that is proteasomally degraded. *Cancer Immunity* 2005; 5:1
49. **Todorova K.**, Hayrabedyan S., Karaivanov M., Kehayov I., Kyurkchiev S. Potential markers for prostate carcinoma malignancy characterization. *Clinical Application of Immunology* 2004; vol.3/N 2, pp. 386-390
50. **Todorova K.**, Mourdjeva M., Damjanov H., Mladenov D., Petrov S., Kyurkchiev S., Kehayov I. A study of potential markers of prostate tumors. *Onkologos*, 2002; V.3-4, p. 51-53

51. Michailova P., **Todorova K.**, White K. The effect of lead on the salivary gland chromosomes of *Glyptotendipes salinus* Michailova (Chironomidae, Diptera). *Biologia, Bratislava* 2002, Vol. 57, Iss. 3, pp. 359-367, **IF = 0.557**

## НАУЧНИ ФОРУМИ

1. **Krassimira Todorova**, Soren Hayrabedian. Effect of Hsa-miR-204 on autophagy modulation in prostate cancer. First Joint WG Meetings and the second MC Meeting of the COST Action “European Network of Multidisciplinary Research and Translation of Autophagy knowledge” Warsaw, Poland, October 6-7th, 2016, *poster*
2. Soren Hayrabedian, Elina Avramaska, **Krassimira Todorova**. Single cell resolution 3D compartmentalization analysis of inflammasome and autophagy interaction in Sertoli cells challenged with TLR4 and NOD1 ligands. First Joint WG Meetings and the second MC Meeting of the COST Action “European Network of Multidisciplinary Research and Translation of Autophagy knowledge” Warsaw, Poland, October 6-7th, 2016, *poster*
3. **Krassimira Todorova**, Soren Hayrabedian. Cancer Stem Cells. Bulgarian Academy of Sciences. Exhibition on „Scientific view on stem cells“, 21<sup>st</sup> – 26<sup>th</sup> of April, 2016
4. **K Todorova**, S Hayrabedian. miR-204 driven epigenetic regulation of androgen receptor. 14th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2015, Am J Reprod Immunology, *poster*
5. S Hayrabedian, M Metodiev, G Metodieva, A Jabeen, N Fernandez, **K Todorova**. Role of TLR4 and NOD1 signaling in Sertoli cell innate immunity in regard to male infertility. Sertoli inflammasome and beyond. 14th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2015, Am J Reprod Immunology, *plenary lecture*
6. ER Barnea, S Hayrabedian, **K Todorova**, A Cooper. PIF regulates immune response in vitro and in vivo by targeting insulin degrading enzyme (IDE) and Kv1.3b proteins. 14th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2015, Am J Reprod Immunology, *plenary lecture*
7. Kristiyan Kanev, Elina Avramaska, **Krassimira Todorova**, Soren Hayrabedian. Application of 3D quantitative DNA methylation imaging for studying the global methylation status in Sertoli cells. Workshop of Experimental methods and models in biomedical research. May, 2015, Sofia.
8. Soren HAYRABEDYAN, **Krassimira TODOROVA**. Micro RNA Based Therapy of Cancer: Rationale, Current State of the Art and Future Perspectives. TOGETHER IN CANCER CONTROL: IMMUNOLOGY, VIRUSES, NATURAL REMEDIES. THE 8<sup>th</sup> MEETING WITH INTERNATIONAL PARTICIPATION - Hasumi foundation. PLEVEN 24-25.10. 2014, *plenary lecture*
9. Soren B. Hayrabedian, David Kirk, **Krassimira O. Todorova**, Eytan R. Barnea. Preimplantation factor (PIF\*) shares a common RIPK target to regulate global immune function required for maintained homeostasis. Journal of Reproductive Immunology 101–102 (2014) 18–39. ESRI meeting, Budapest, Hungary, 29.03-1.04.2014, *oral presentation*

10. Soren B. Hayrabedian, **Krassimira O. Todorova**, Eytan R. Barnea. Structural design-based preimplantation factor (PIF\*) fusion peptide synthetic DNA cloning and eukaryote expression aimed for functional proteomic studies and possible chronic immune disorders therapy. *Journal of Reproductive Immunology* 101–102 (2014) 18–39. ESRI meeting, Budapest, Hungary, 29.03-1.04.2014, *poster*
11. Kanev K., Avramaska E., **Todorova K.**, Hayrabedian S. Application of 3D image based assessment for studying the impact of innate immunity signaling on global methylation status. 6th EFIS-ESI SEEIS. Timisoara. Romania. 26-29.09.2014, *poster*
12. Hayrabedian S, Avramaska E, Kacheva D, Kistanova E, **Todorova K.** DNA methylation landscape in Sertoli cells play role in its specific inflammasome regulation with implications to male fertility. EPICONCEPT Workshop 2014. Las Palmas, Spain 07 - 09 May 2014, *poster*
13. **Todorova K.**, Hayrabedian S. Genome disarrangement cell line models reveal an epigenetically driven miR-204 regulation of androgen receptor. EPICONCEPT Workshop 2014. Las Palmas, Spain 07 - 09 May 2014, *poster*
14. **Todorova K.**, Mincheff M., Hayrabedian S. miR-204 regulatory interaction network affect cMyb transcriptional activation in prostate cancer cell line model. Oncoimmunology – New Horizons, The 6<sup>th</sup> Meeting with International Participation, 26-27 October, 2012, Pleven, Bulgaria, organized by the Hasumi International Research Foundation - *oral presentation*
15. B. Georgiev, S. Hayrabedian, **K. Todorova**, D. Zasheva, P. Taushanova, D. Kacheva, PJ Hansen. Boar Sperm Proteins as Potential Fertility Markers. 13<sup>th</sup> International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, *poster*
16. Hayrabedian S., **Todorova K.**, Jabeen A., Pashova Sh., Zasheva D., Manolova N., Fernández. N., Mollova M. The role of the Nucleotide-binding oligomerization domain-containing protein 1 in the mouse Sertoli cell innate immunity and signaling. 13<sup>th</sup> International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, *Am J Reprod Immunology*
17. **Todorova K.**, Zasheva D.1, Manolova N., Mincheva J., Mincheff M., Hayrabedian S. MiR-204 and miR-15a regulative interaction of c-Myb transcriptional activation in prostate cancer cell lines. 13<sup>th</sup> International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, *Am J Reprod Immunology - oral presentation*
18. S. Zapryanova, P. Rashev, R. Dimitrov, **K. Todorova-Hayrabedian**, Y. Martinova, M. Mollova. Developmental and cell type-specific expression of small heat shock protein – alphaB-crystallin in mouse testis and epididymis under normal and heat-stress conditions. 13<sup>th</sup> International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, *Am J Reprod Immunology, poster*
19. **Todorova K.**, Zasheva D., Mincheva J., Mincheff M., Pashova Sh., Hayrabedian S. Does miR-204 play a role in inflammation signaling in prostate cancer cell lines? 13<sup>th</sup> International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, *Am J Reprod Immunology, poster*
20. Jabeen A., Laissue P.P., Spencer P.S., Hakam S. M., Jain P., Hayrabedian S., **Todorova K.**, Blanch A.; McElhinney J. M.W.R., Paluwatta N. J. M., Alkhatib S., Dealtry G.B., Miranda-Sayago J.M., and Fernández N. Mapping histocompatibility molecules on trophoblast cells: a bioinformatics, bioimaging and proteomics systems approach;

relevance for fetomaternal interaction. 13th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, Am J Reprod Immunology, *poster*

21. Hayrabedyan S., **Todorova K.**, Zasheva D., Moyankova D., Georgieva D., Todorova J., Mladenov P., Djilianov D. Anti-oxidative, genotoxic and inflammatory signaling modulation effects of *Haberlea rhodopensis* extract in prostate cancer. 13<sup>th</sup> International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2012, Am J Reprod Immunology, *poster*
22. Dineva J., Vangelov I., Abrashev R., **Todorova K.**, Gulenova D., Nikolov G., Rangelov I., Stamenov G., Angelova M., Ivanova M. The survival role of superoxide dismutase 1 (SOD1) on human granulosa luteinized cells in vitro. XVII<sup>th</sup> symposium of Czech reproductive immunologists with international participation, Zdar, Czech Republic, May 26-29, 2011, *poster*
23. Vangelov I., Dineva J., **Todorova K.** Gulenova D., Nikolov, G., Ivanova M. Relationship between increased self-reactivity to ovarian antigens in response to hormonal stimulation and IVF outcome in women engaged in IVF-ET program. XII National Congress of infertility, contraception, hormone replacement therapy and gynecological endoscopy with international participation. Borovets 17-20 March 2011. Reproductive health issue 2011. ISSN 1312-6180 [*in Bulgarian*], *poster*
24. Karaivanov M., **Todorova K.**, Hayrabedyan S. Immunohistochemical quantitative assessment of the expression of GSTP1, iNOS and COX-2 in PIA, PIN AND carcinoma in the prostate gland. 3<sup>rd</sup> Intercontinental Congress of Pathology, May 18-21, 2008, Barcelona, Spain; Virchows Arch, 452(Suppl 1):S1–S286 (2008). ISSN: 0945-6317 – *poster*
25. **Todorova K.**, Hayrabedyan S., Dineva J., Vangelov I., Ivanova M., Mollova M. Gene panel in human cumulus cells as biomarker for successful in vitro procedures. ESHRE. Copenhagen, Denmark, 23-27 August, 2011, *poster*
26. I. Vangelov, J. Dineva, **K. Todorova**, Ts. Stefanova, G. Nikolov, D. Gulenova, M. Ivanova, Relationship of follicular fluid nitric oxide concentrations with the serum steroid (progesterone, estradiol) levels, apoptosis of granulosa luteinized cells and with the outcomes after COH/ IVF. 8th European Congress of Reproductive Immunology, November 11-14, 2010 Munich, Germany, *poster*
27. J. Dineva, AK. Wójtowicz, K. Augustowska, I. Vangelov, **K. Todorova**, EL. Gregoraszczyk, MD. Ivanova. Study on the control of apoptosis of porcine granulosa cells after in vitro luteinization. Balkan network for Biotechnology in animal Reproduction, 2011 Proceeding, Sofia, 24-25 March 2011, 63-69, *poster*
28. MilchoMincheff, **Krassimira Todorova**, Serguei Zoubak, Stoyan Tchakarov, Dobroslav Kiurktchiev, Yavor Pomakov, Ivan Tonev, Stanimir Kiurktchiev, Iskra Altankova Immune responses against PSMA after gene-based vaccination for immunotherapy of prostate cancer: B. Results from a clinical trial. Bulgarian-Japanese Symposium "Genomics and Proteomics in Personalized Medicine", March 19-20, 2009, Sofia, Bulgaria, *oral presentation*
29. Karaivanov M., **K. Todorova**, S. Hayrabedyan, V. Ivanova, A. Kuzmanov, I. Kehayov, S. Kyurkchiev. Differential diagnosis and predicative significance of AMACR and p63 in PIA, PIN and prostate carcinoma. IX National congress of pathology with international participants. 2-4 November 2006, Sofia, Bulgaria, *poster*



30. Karaivanov M., **K. Todorova**, S. Hayrabedyan, V. Ivanova, A. Kuzmanov, I. Kehayov, S. Kyurkchiev. Immunohistochemical quantitative assessment of the expression of GSTP1, iNOS and COX-2 in PIA, PIN and carcinoma in the prostate gland. IX National congress of pathology with international participants. 2-4 November 2006, Sofia, Bulgaria, *poster*
31. Karaivanov M., A. Kuzmanov, **K. Todorova**, S. Hayrabedyan, I. Kehayov, S. Kyurkchiev. Oxydative stress in PIA, PIN and PCA – immunohistochemical study on the expression of GSTP1 and COX-2. 11<sup>th</sup> International Symposium of Immunology of Reproduction. Varna, Bulgaria, June 2-4, 2006, *poster*
32. **Todorova K.**, M. Karaivanov, A. Kuzmanov, S. Hayrabedyan, I. Kehayov, S. Kyurkchiev. Immunohistochemical comparative analysis of the expression of AMACR and p63 in PIA, PIN and PCA: diferential diagnosis and predicative significance. 11<sup>th</sup> International Symposium of Immunology of Reproduction. Varna, Bulgaria, June 2-4, 2006, *poster*
33. **Todorova K.**, Ignatova I., Chakarov S., Altankova I., Zoubak S., Mincheff M. Kyurkchiev S. Humoral immune response in prostate cancer patients after DNA vaccination. Immunological Days in Pleven, Pleven, Bulgaria, 20-23 May, 2004 - *oral presentation*
34. **Todorova K.**, Ignatova I., Botev Ch., Mincheff M., Altankova I., Kyurkchiev S. Follow-up of humoral immune response in prostate cancer patients vaccinated with plasmid DNA. 10<sup>th</sup> International Symposium of Immunology of Reproduction. Varna, Bulgaria, Sept. 4-6, 2003, *poster*
35. **Todorova K.**, Ignatova I., Botev Ch., Mincheff M., Altankova I., Kyurkchiev S. Evaluation of humoral immune response against PSMA in prostate cancer patients' sera. 2<sup>nd</sup> National Congress of Immunology, Sofia, 29 May – 1 June, 2003, *poster*
36. Michailova P., White K., **Todorova K.** Induction of chromosome alterations in salivary gland chromosomes of *Glyptotendipes salinus Michailova (Diptera, Chironomidae)* by lead nitrate. X<sup>th</sup> International Balbiani Ring Workshop, Varna, Bulgaria, Sept. 1-4, 2001, *poster*