

ПУБЛИКАЦИИ НА ДОЦ. СОРЕН ХАЙРАБЕДЯН, ДБН, В РЕФЕРИРАНИ И РЕЦЕНЗИРАНИ СПИСАНИЯ, КОИТО НЕ СА ВКЛЮЧВАНИ В ДРУГИ КОНКУРСИ (ОНС „Доктор“, НС „Доктор на науките“, Академично звание „Доцент“)

Научни публикации 16 (IF на публикациите в реферирани и рецензирани издания – 31)

Общ бр. научни публикации 51 (Общ IF на публикациите в реферирани и рецензирани издания – 63.773, Общ брой цитирания – 176, h-index = 8), отделно са представени патенти, автореферати, глави от книги

ПАТЕНТИ

1. 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
2. 2015, *Издаден международен патент* (Заявен в Американския патентен офис, издаден за САЩ, Европа и Евразия), Pub. No. (30.04.2015), International Application No.: PCT/US2014/061814: “PIF-transfected cells and methods of use.”, Изобретатели: Eytan R. Barnea, **Soren Bohos Hayrabyan**, Заявител: BioIncept, Llc. (NJ, US)

ПУБЛИКАЦИИ В РЕФЕРИРАНИ И РЕЦЕНЗИРАНИ СПИСАНИЯ

2017

1. Krassimira Todorova, Metodi V Metodiev, Gergana Metodieva, Milcho Mincheff, Nelson Fernandez, **Soren Hayrabyan***. 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**

2016

2. A. Piermattei, G. Migliara, G. Di Sante, M. Foti, **S.B. Hayrabyan**, A. Papagna, M.C. Geloso, M. Corbi, M. Valentini, A. Sgambato, G. Delogu, G. Constantin, F. Ria. Toll-Like Receptor 2 mediates in vivo pro-and anti-inflammatory effects of Mycobacterium tuberculosis and modulates autoimmune encephalomyelitis. *Frontiers in immunology*. 2016;7, <http://dx.doi.org/10.3389/fimmu.2016.00191>, **IF = 5.695**

3. Chen YC, Rivera J, Fitzgerald M, Hausding C, Ying YL, Wang X, Todorova K, **Hayrabyan 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**
4. Barnea, Eytan R., **Hayrabyan, 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**

2015

5. Krassimira Todorova*, Metodi V. Metodiev, Gergana Metodieva, Diana Zasheva, Milcho Mincheff, and **Soren Hayrabyan**. miR-204 is Dysregulated in Metastatic Prostate Cancer In Vitro. *Molecular Carcinogenesis*, 2015; Published online in Wiley Online Library (wileyonlinelibrary.com), **IF= 4.8**
6. Eytan R. Barnea, David Kirk, Krassimira Todorova, James McElhinney, **Soren Hayrabyan**, 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**
7. K. Todorova, **S. Hayrabyan**. 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.
8. Krassimira Todorova, Kristiyan Kanev, Diana Zasheva, **Soren Hayrabyan**. Dualistic role of microRNA-204 in lymph node prostate cancer cell line model. *Andrologia*, vol 24, Iss. 3, 2015
9. Elena Kistanova, Mihail Chervenkov, Kiril Shumkov, Rayko Peshev, Krasimira Todorova, **Soren Hayrabyan**, 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**.

2014

10. Krassimira Todorova, Diana Zasheva, **Soren Hayrabyan**. Innate immunity challenge differently modulates inflammatory and apoptosis regulation in lymph node and bone marrow metastatic cell line models, favouring higher metastatic phenotype. *Comptes rendus de l'Académie bulgare des Sciences* Tome 67, No 11, 2014, 1575-1582, **IF = 0.284**
11. Krassimira Todorova, Diana Zasheva, Kristiyan Kanev, and **Soren Hayrabyan**. 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

12. Barnea ER, Lubman DM, Liu Y-H, Absalon-Medina V, **Hayrabyan S**, 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**

2013

13. **Soren Hayrabyan**, 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**
14. **Soren Hayrabyan**, 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'Academie bulgare des Sciences*. Tome 66, No 1, 2013, 127-132, **IF = 0.198**

2012

15. K. Todorova, N. Manolova, D. Zasheva, **S. Hayrabyan**. A relationship between microRNA-204 and occludin in prostate cancer inflammation signaling. *Acta Medica Bulgarica*, Vol. XXXIX, 2012, No 2, 23-28
16. Krasimira Todorova, Milcho Mincheff, Diana Zasheva, **Soren Hayrabyan**. The role of miR-204 and NOD1 receptor in prostate cancer inflammation signalling (2012) *Comptes Rendus de L'Academie Bulgare des Sciences*, 65 (12), pp. 1739-1744, **IF = 0.211**

СЪОБЩЕНИЯ НА НАУЧНИ ФОРУМИ НА ДОЦ. СОРЕН ХАЙРАБЕДЯН, ДБН, КОИТО НЕ СА ВКЛЮЧВАНИ В ДРУГИ КОНКУРСИ (ОНС „Доктор“, НС „Доктор на науките“, Академично звание „Доцент“)

НАУЧНИ ФОРУМИ

1. **Soren Hayrabyan**, 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
2. Krassimira Todorova, **Soren Hayrabyan**. 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
3. Krassimira Todorova, **Soren Hayrabyan**. Cancer Stem Cells. Bulgarian Academy of Sciences. Exhibition on „Scientific view on stem cells “, 21st – 26th of April, 2016
4. G. Di Sante, G. Migliara, A. Piermattei, M. Valentini, **S. Hayrabyan**, M. Foti, G. Constantin, M. Geloso, G. Delogu, F. Ria; A single non-synonymous polymorphism of Toll Like Receptor 2 modifies a binding site for small ligands, alters Th1/Th17 and Treg polarization of T cells and modifies clinic outcome of EAE, 4th European Congress of Immunology - ECI, 2015 - Vienna, Austria
5. G. Di Sante, M. Valentini, G. Migliara, A. Piermattei, B. Tolusso, G. Constantin, E. Stigliano, M. Geloso, **S. Hayrabyan**, G. Delogu, F. Ria; Involvement of infectious agents on trafficking of effector T cells is mediated by a polymorphic site of TLR2 and CD44 isoforms expression. 4th European Congress of Immunology - ECI, 2015 - Vienna, Austria
6. ER Barnea, **S Hayrabyan**, 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 (IF 2.438), **plenary lecture**
7. K Todorova, **S Hayrabyan**. miR-204 driven epigenetic regulation of androgen receptor. 14th International Symposium for Immunology of Reproduction, Varna, Bulgaria, 2015, Am J Reprod Immunology (IF 2.438), **poster**
8. Todorova K, **Hayrabyan 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**

9. **Soren B. Hayrabyan**, 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, IF 2.373, **oral presentation**
10. **Soren B. Hayrabyan**, 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, IF 2.373, **poster**
11. **Soren Hayrabyan**, Krasimira 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 -Th MEETING WITH INTERNATIONAL PARTICIPATION - Hasumi foundation. PLEVEN 24-25.10. 2014, **plenary lecture**
12. K. Todorova, M. Mincheff, **S. Hayrabyan**. miR-204 Regulatory Interaction Network affect c-Myb Transcriptional Activation in Prostate Cancer Cell Line Model. Oncoimmunology - new horison. Hasumi founation. The 6-th meeting with international participation. 26-27.10.2012 Pleven Bulgaria, **plenary lecture**