

|  |  |
| --- | --- |
| **Affiliation:** **Address:** **Contact:** |  |

**Awards and Honors**

|  |  |  |
| --- | --- | --- |
|  |  |  |
| **2014** | **2015** | *Tuskegee University - Faculty Performance Award For Research in the College of Veterinary Medicine, Nursing& Allied Health* |
| **2016** |  | *Tuskegee University - Zoetis Award for Veterinary Research Excellence* |

**Proceedings of Meetings**

|  |  |  |
| --- | --- | --- |
|  |  |  |
| **1.** | *Toufic Nashar. Novel vaccination strategies for the delivery of HIV moieties. International Conference on Clinical & Cellular Immunology. OMICS Group Conferences. Chicago, USA.October 22-24. 2012.* |  |
| **2.** | *Toufic Nashar. Novel vaccination strategies for the delivery of HIV moieties. International Conference on Clinical & Cellular Immunology. OMICS Group Conferences. Chicago, USA.October 22-24. 2012.* |  |
| **3.** | *A Caballero, TO Nashar, JR Drake. Differential BCR cross-linking elicits different mechanisms of BCR endocytosis. FASEB JOURNAL. 2005; 19(4):A957-A957.* |  |
| **4.** | *TO Nashar, JR Drake. The pathway of antigen uptake and processing and MHC class II ligation by different mAbs dictate MHC class II-mediated signals and their functional outcome in B cells.FASEB JOURNAL. 2005; 19(4):A957-A957.* |  |
| **5.** | *AC Muniz, TO Nashar, JR Drake. Differential effects of lipid raft crosslinking on B cell receptor signaling and endocytosis. FASEB JOURNAL. 2003; 17(7):C203-C203.* |  |
| **6.** | *TO Nashar, HM Webb, S Eaglestone, NA Williams, TR Hirst*  *. The Role of Receptor-Binding in the Potent Immunogenicity of Cholera-Like Enterotoxins.ZENTRALBLATT FUR BAKTERIOLOGIE-SUPPLEMENT. 1995; 113-114.* |  |

**Reviews/Chapters/Editorials**

|  |  |  |
| --- | --- | --- |
|  |  |  |
| **1.** | *NA Williams, LM Stasuik, TO Nashar, CM Richards, AK Lang, MJ Day, TR Hirst*  *. Prevention of autoimmune disease by GM1-mediated modulation of lymphocyte responses.Immunology Letters. 1997; 56:371.* |  |
| **2.** | *Nashar, T.O. and Hirst T.R. Vaccines in Agriculture. Immunological application to animal health and production. P.R. Wood et al. (Eds),. The B-subunit of Escherichia coli heat-labile enterotoxin as a non-living oral delivery vehicle for attached epitopes and its application in the development of a porcine anti-diarroeal vaccine. 1994; 65-70.* |  |
| **3.** | *Hirst, T.R., Nashar, T.O., Millar, D.G. and Williams, N.A. Recent advances in the pathogenesis of gastrointestinal bacterial infections. Rampal, P and Bouquet, P (Eds). Immunomodulatory properties of cholera toxin and related enterotoxins. 1988.* |  |
| **4.** | *Williams, N.A., Stasiuk, L.M., Nashar, T.O., Richards, C.M., Lang, A.K., Day, M.J. and*  *Hirst, T.R. Bacterial protein toxins, Hacker etal. (Eds). Prevention of autoimmune disease due to lymphocyte modulation by the B-subunits of Esherichia coli heat-labile enterotoxin. 1988.* |  |

**Original Articles**

|  |  |  |
| --- | --- | --- |
|  |  |  |
| **1.** | *Seham El-Kassas, Solomon Odemuyiwa, George Hajishengallis, Terry D Connell4 and Toufic O Nashar\*. Expression and Regulation of Cholecystokinin Receptor in the Chicken’s Immune Organs and Cells. Journal of Clinical and Cellular Immunology. 2016; 7:471.* |  |

**Publications**

|  |  |  |
| --- | --- | --- |
|  |  |  |
| **1.** | *El-Kassas S, Abdo SE, El-Naggar K, Abdo W, Kirrella AAK, Nashar TO. Ameliorative effect of dietary supplementation of copper oxide nanoparticles on inflammatory and immune reponses in commercial broiler under normal and heat-stress housing conditions. J Therm Biol. 2018 Dec; 78:235-246.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/30509642) |
| **2.** | *Samuels S, Alwan Z, Egnin M, Jaynes J, Connell TD, Bernard GC, Nashar T. Novel Therapeutic Approach for Inhibition of HIV-1 Using Cell-Penetrating Peptide and Bacterial Toxins. J AIDS Clin Res. 2017 Oct; 8(10).* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/29226013) |
| **3.** | *El-Kassas S, Odemuyiwa S, Hajishengallis G, Connell TD, Nashar TO. Expression and Regulation of Cholecystokinin Receptor in the Chicken''s Immune Organs and Cells. J Clin Cell Immunol. 2016 Dec; 7(6).* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/28149670) |
| **4.** | *Abugri DA, Witola WH, Jaynes JM, Toufic N. In vitro activity of Sorghum bicolor extracts, 3-deoxyanthocyanidins, against Toxoplasma gondii. Exp Parasitol. 2016 May; 164:12-9.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/26855040) |
| **5.** | *El-Kassas S, Faraj R, Martin K, Hajishengallis G, Connell TD, Nashar T. Cell clustering and delay/arrest in T-cell division implicate a novel mechanism of immune modulation by E. coli heat-labile enterotoxin B-subunits. Cell Immunol. 2015 Jun; 295(2):150-62.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/25880107) |
| **6.** | *Nashar TO. The Quest for an HIV-1 Vaccine Adjuvant: Bacterial Toxins as New Potential Platforms. J Clin Cell Immunol. 2014 Jun; 5(3).* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/27375924) |
| **7.** | *Martin K, Nashar TO. E. coli Heat-labile Enterotoxin B Subunit as a Platform for the Delivery of HIV Gag p24 Antigen. J Clin Cell Immunol. 2013 Apr; 4(2).* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/27375923) |
| **8.** | *Gu R, Shampang A, Nashar T, Patil M, Fuller DH, Ramsingh AI. Oral immunization with a live coxsackievirus/HIV recombinant induces gag p24-specific T cell responses. PLoS One. 2010 Sep 02; 5(9).* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/20824074) |
| **9.** | *Caballero A, Katkere B, Wen XY, Drake L, Nashar TO, Drake JR. Functional and structural requirements for the internalization of distinct BCR-ligand complexes. Eur J Immunol. 2006 Dec; 36(12):3131-45.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/17125144) |
| **10.** | *Nashar TO, Drake JR. Dynamics of MHC class II-activating signals in murine resting B cells. J Immunol. 2006 Jan 15; 176(2):827-38.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16393966) |
| **11.** | *Nashar TO, Drake JR. The pathway of antigen uptake and processing dictates MHC class II-mediated B cell survival and activation. J Immunol. 2005 Feb 01; 174(3):1306-16.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/15661887) |
| **12.** | *Nashar TO, Betteridge ZE, Mitchell RN. Antigen binding to GM1 ganglioside results in delayed presentation: minimal effects of GM1 on presentation of antigens internalized via other pathways. Immunology. 2002 May; 106(1):60-70.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11972633) |
| **13.** | *Nashar TO, Betteridge ZE, Mitchell RN. Evidence for a role of ganglioside GM1 in antigen presentation: binding enhances presentation of Escherichia coli enterotoxin B subunit (EtxB) to CD4(+) T cells. Int Immunol. 2001 Apr; 13(4):541-51.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/11282993) |
| **14.** | *Williams NA, Hirst TR, Nashar TO. Immune modulation by the cholera-like enterotoxins: from adjuvant to therapeutic. Immunol Today. 1999 Feb; 20(2):95-101.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10098329) |
| **15.** | *Pitman RS, Hirst TR, Nashar TO, Williams NA. Receptor mediated apoptosis of CD8+T cells by the B subunits of cholera-like enterotoxins. Biochem Soc Trans. 1998 Nov; 26(4):S338.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/10047852) |
| **16.** | *Nashar TO, Williams NA, Hirst TR. Importance of receptor binding in the immunogenicity, adjuvanticity and therapeutic properties of cholera toxin and Escherichia coli heat-labile enterotoxin. Med Microbiol Immunol. 1998 Jun; 187(1):3-10.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9749977) |
| **17.** | *Hirst TR, Nashar TO, Pitman RS, Williams NA. Cholera toxin and related enterotoxins as potent immune modulators. Symp Ser Soc Appl Microbiol. 1998; 27:26S-34S.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9750359) |
| **18.** | *Nashar TO, Hirst TR, Williams NA. Modulation of B-cell activation by the B subunit of Escherichia coli enterotoxin: receptor interaction up-regulates MHC class II, B7, CD40, CD25 and ICAM-1. Immunology. 1997 Aug; 91(4):572-8.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9378497) |
| **19.** | *Williams NA, Stasiuk LM, Nashar TO, Richards CM, Lang AK, Day MJ, Hirst TR. Prevention of autoimmune disease due to lymphocyte modulation by the B-subunit of Escherichia coli heat-labile enterotoxin. Proc Natl Acad Sci U S A. 1997 May 13; 94(10):5290-5.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/9144230) |
| **20.** | *Nashar TO, Williams NA, Hirst TR, Nahar TO. Cross-linking of cell surface ganglioside GM1 induces the selective apoptosis of mature CD8+ T lymphocytes. Int Immunol. 1996 May; 8(5):731-6.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8671661) |
| **21.** | *Nashar TO, Webb HM, Eaglestone S, Williams NA, Hirst TR. Potent immunogenicity of the B subunits of Escherichia coli heat-labile enterotoxin: receptor binding is essential and induces differential modulation of lymphocyte subsets. Proc Natl Acad Sci U S A. 1996 Jan 09; 93(1):226-30.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/8552610) |
| **22.** | *Nashar TO, Hirst TR. Immunoregulatory role of H-2 and intra-H-2 alleles on antibody responses to recombinant preparations of B-subunits of Escherichia coli heat-labile enterotoxin (rEtxB) and cholera toxin (rCtxB). Vaccine. 1995 Jun; 13(9):803-10.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7483801) |
| **23.** | *Hirst TR, Nashar TO, Eaglestone S, Lencer WI, Webb HM, Yu J. Bacterial and host interactions during the biogenesis, toxicity and immunogenicity of Escherichia coli heat-labile enterotoxin. Biochem Soc Trans. 1994 May; 22(2):306-9.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7958313) |
| **24.** | *Nashar TO, Amin T, Marcello A, Hirst TR. Current progress in the development of the B subunits of cholera toxin and Escherichia coli heat-labile enterotoxin as carriers for the oral delivery of heterologous antigens and epitopes. Vaccine. 1993; 11(2):235-40.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/7679865) |
| **25.** | *Nashar TO, Stokes CR, Cripps PJ. Immune responses to intramammary infusion with soluble (ovalbumin) and particulate (S uberis) antigens in the preparturient bovine udder. Res Vet Sci. 1991 Mar; 50(2):145-51.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2034893) |
| **26.** | *Nashar TO, Williams MR, Brown PJ, Cripps PJ, Stokes CR. Fate and uptake of soluble and particulate antigens in the preparturient bovine mammary gland. Vet Immunol Immunopathol. 1990 Oct; 26(2):125-41.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/2260279) |
| **27.** | *Nashar TO, Stokes CR, Cripps PJ, Bourne FJ. The humoral immune response of mice to intra-mammary immunization with ovalbumin. Immunology. 1988 Oct; 65(2):319-21.* | [PubMed](http://www.ncbi.nlm.nih.gov/pubmed/3192276) |

**THANK YOU FOR USING THE RTRN RESEARCH COLLABORATION AND PROFESSIONAL NETWORKING SERVICE.**