Toufic Nashar DVM, PhD

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Education

Graduation Year	*Degree*	*School*	*Major/Specialty Area*
1984	DVM	University of Baghdad, Iraq	Veterinary Medicine
1989	PhD	University of Bristol, UK	Immunology

Teaching

Veterinary Virology lectures and Virology/Immunology laboratory. Medical Microbiology.

Research Interest(s)

Despite the availability of a number of vaccines and therapy against infectious diseases, there is a global need for vaccines and therapeutic agents against the most lethal ones. Additionally, the lack of suitable adjuvants (proteins or chemicals that can boost an immune response) for human and animals necessitates an understanding of their mechanism of action. To this effect, we have been working for several years on a class of bacterial toxins that are effective adjuvants and may have therapeutic potential against a number of pathogens. One important pathogen is HIV-1. We are trying to understand whether bacterial toxins can act in synergy with recently identified therapeutic peptides to prevent infection of human cell lines by HIV-1 virus. Further work investigates presence of therapeutic peptides that can inhibit infection by other human viruses.

Recent Publications

1- Seham El-Kassas, Solomon Odemuyiwa, George Hajishengallis, Terry D. Connell, **Toufic O. Nashar** (2016**).** Expression and Regulation of Cholecystokinin Receptor in the Chicken's Immune Organs and Cells. ***J. Clin. Cell. Immunol***., 7:471-480.
2- Daniel A. Abugri , William H. Witola , Jesse M. Jaynes , **Nashar Toufic** (2016). In vitro activity of Sorghum bicolor extracts, 3-deoxyanthocyanidins, against Toxoplasma gondii. ***Experimental Parasitology*** 164 (2016) 12-19.
3- Seham El-Kassas, Rawah Faraj, Kamarcha Martin, George Hajishengallis, Terry D. Connell, **Toufic Nashar** (2015). Cell clustering and delay/arrest in T-cell division implicate a novel mechanism of immune modulation by *E. coli* heat-labile enterotoxin B-subunits. ***Cellular Immunology***, 295(2):150-162.
4- **Nashar, T.O.** (2014). The Quest for an HIV-1 Vaccine Adjuvant: Bacterial Toxins as New Potential Platforms. ***J. Clin. Cell. Immunol.***, 5(3):225.
5- Martin. K., and **Nashar, T.O**. (2013). *E. coli* heat-labile enterotoxin B-subunit as a platform for delivery of HIV gag p24. ***J. Clin. Cell. Immunol***., 4(2):140.
6- Shampang, A , Gu, Rui, **Nashar, T.O,** Fuller, D, Ramsingh, AI. (2010). Oral and systemic immunizations with a coxsackie/HIV recombinant induces gag p24-specfic T cell responses. ***PLoS One***, 5 (9): e12499**.**
7- Caballero, A., Katkere, B., Wen, X-Y. **Nashar T.O.**, and Drake JR. (2006). Functional and structural requirements for the internalization of distinct BCR-ligand complexes. ***Eur. J. Immunol***. 36: 3131-45.

Complete List of published work:

https://www.ncbi.nlm.nih.gov/sites/myncbi/toufic.nashar.2/bibliography/50017324/public/?sort=date&direction=descending

Service Activities

Departmental and Faculty meetings - Education Policies - Graduate Committees- Pre-Curriculum Coordination