



Diala El Khoury

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Biography

Dr. El Khoury pursued her graduate studies in biochemistry, cell and molecular biology in Paris Diderot University - France after earning a B.S. at the American University of Beirut. Her research focus during her Ph.D. work was the study of a cellular protein, targeted by anti-cancerous agents. The team developed a molecule that was purchased by a pharmaceutical company. Dr. El Khoury has joined NDU since October 2011. She is currently teaching biology of cancer, signal transduction and cell biology. Dr. El Khoury current research interests include the understanding of cellular mechanisms and the elucidation of signal transduction pathways underlying biological processes. Her latest publications show that she is also a strong partisan of epigenetics and believes that health homeostasis is an outcome of the perfect combination between a given genetic makeup and favorable environmental factors/lifestyle.

Peer-reviewed Journals

- Updates on the Effect of Mycotoxins on Male Reproductive Efficiency in Mammals. El Khoury D, Fayjaloun S, Nassar M, Sahakian J, Aad PY. *Toxins (Basel)*. 2019 Sep 3; 11(9).
- Curcumin and Endometrial Carcinoma: an Old Spice as a Novel Agent. El Khoury D, Matar R, Touma T. *International Journal of Women's health*. 2019 April 15. Vol 11; 249-256.
- Attention-Deficit and Hyperactivity Disorder: A Disorder or a Fraud? Chaaya R and El Khoury D. *Global Journal of Health Science*, 2019 April 8; Vol. 11, No. 5; 100-16.
- Exercise-Induced Irisin, the Fat Browning Myokine, as a Potential Anticancer Agent. Maalouf G-E and El Khoury D. *Journal of Obesity*, 2019 April 1; vol 2019; 8 pages.
- Targeting surface nucleolin with multivalent HB-19 and related Nucant pseudopeptides results in distinct inhibitory mechanisms depending on the malignant tumor cell type. Krust B, El Khoury D, Nondier I, Soundaramourty C, Hovanessian AG. *BMC Cancer*. Dec 2011; 11:333.
- Suppression of tumorigenicity of rhabdoid tumor derived G401 cells by the multivalent HB-19 pseudopeptide that targets surface nucleolin. Krust B, El Khoury D, Soundaramourty C, Nondier I, Hovanessian AG. *Biochimie*. 2011; 93(3):426-33.
- Surface expressed nucleolin is constantly induced in tumor cells to mediate calcium-dependent ligand internalization. Hovanessian AG, Soundaramourty C*, El Khoury D*, Nondier I, Svab J, Krust B. *PLoS One*. 2010; 23;5(12):e15787. (*contributed equally)
- Targeting surface nucleolin with a multivalent pseudopeptide delays development of spontaneous melanoma in RET transgenic mice. El Khoury D, Destouches D, Lengagne R, Krust B, Hamma-Kourbali Y, Garcette M, Niro S, Kato M, Briand JP, Courty J, Hovanessian AG, Prévost-Blondel A. *BMC Cancer*. 2010; 24;10:325.
- The cell surface expressed nucleolin is a glycoprotein that triggers calcium entry into mammalian cells. Losfeld ME, Khoury D, Mariot P, Carpentier M, Krust B, Briand JP, Mazurier J, Hovanessian AG, Legrand D. *Exp Cell Res*. 2009; 15;315(2):357-69. Epub 2008 Nov 6.

- Suppression of tumor growth and angiogenesis by a specific antagonist of the cell-surface expressed nucleolin. Destouches D*, El Khoury D*, Hamma-Kourbali Y, Krust B, Albanese P, Katsoris P, Guichard G, Briand JP, Courty J, Hovanesian AG. PLoS One. 2008; 3(6):e2518. (*first authors)

Peer-reviewed Conference Proceedings

- LAAS-2015. LAAS-2016

Chapters in Books

International

- Study of myelin genes expression in the central nervous system using Real Time PCR. Chapter in Psychiatric Disorders: Methods and Protocols, Second Edition. 2019. Springer Nature

Specialized Reports

Local

- CNRS-L

Esteemed indicators

Member of the LAAS-2016-2019 scientific committee.