

*Curriculum Vitae***ABDULLAH A. SHAITO, M.Sc., PhD.****Assistant Professor**

Biomedical Research Center

Qatar University

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**EDUCATION**

<i>Institution</i>	<i>Degree</i>	<i>Year</i>
<b>American University of Beirut</b> Beirut, Lebanon	B.Sc	1997
<b>American University of Beirut</b> Beirut, Lebanon	M.Sc.	2000
Thesis: <i>"Characterization and Modulation of Gap Junctional Intercellular Communication in Rodent Granulosa Cells"</i> .		
<b>University of Texas Southwestern</b> Dallas, Texas, USA	Ph.D	2008
Dissertation: <i>"Short Chain Fatty Acids Signaling through the G Protein Coupled Receptor Gpr41 in the Intestine"</i> . Thesis Mentor: Masashi Yanagisawa, M.D., Ph. D.		

**METRICS:**

Total Citations: 4226 (Google Scholar); 3022 (Scopus)  
 Citations in 2022: 628 (Google Scholar); 470 (Scopus)  
 Citations in 2023: 637 (Google Scholar); 494 (Scopus)  
 H-index: 18 (Google Scholar); 16 (Scopus)

**PROFESSIONAL EXPERIENCE**

- 2021- Present **Assistant Professor**  
Biomedical Research Center  
Qatar University, Doha, Qatar.
- 2012- 2021 **Assistant Professor**  
Biological and Chemical Sciences Department  
Lebanese International University, Beirut, Lebanon.
- 2016- 2021 **Assistant Professor**  
University of Balamand  
Beirut, Lebanon.

- 2012- 2021                      **Research Scientist**  
Laboratory of Marwan El-Sabban, Ph.D.  
American University of Beirut, Beirut, Lebanon.
  
- 2012- 2013                      **Research Scientist**  
Dept. of Biochemistry  
Laboratory of Firas Kobeissy, Ph.D.  
American University of Beirut, Beirut, Lebanon.
  
- 2010 – 2012                      **Head of Research and Development**  
Animal Monitoring Unit,  
American Cameras, Dallas, Texas, USA
  
- 2009 – 2011                      **Instructor**  
Richland Community College, Dallas, Texas, USA
  
- 2004– 2008                      **Graduate Teaching Fellow**  
Dept. of Genetics and Molecular Biology  
University of Texas Southwestern Medical Center
  
- 2004– 2008                      **Associate Researcher**  
Dept. of Genetics and Molecular Biology  
Supervisor: Masashi Yanagisawa, M.D., Ph.D.  
University of Texas Southwestern Medical Center
  
- 2000 – 2004                      **Graduate Research Assistant**  
Dept. of Genetics and Molecular Biology  
Supervisor: James Zhijian Chen., Ph.D.  
University of Texas Southwestern Medical Center
  
- 1998 - 2000                      **Research Assistant**  
Dept. of Biology, Mentor Sonia Nasr, Ph.D.  
American University of Beirut, Beirut, Lebanon

**PUBLICATIONS:**

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**PEER REVIEWED JOURNAL ARTICLES:**

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Available at Pubmed: <https://pubmed.ncbi.nlm.nih.gov/?term=Shaito+A>

1. Kanayama, A.; Seth, R.B.; Sun, L.; Ea, C.K.; Hong, M.; **Shaito, A.**; Chiu, Y.H.; Deng, L.; Chen, Z.J. TAB2 and TAB3 activate the NF-kappaB pathway through binding to polyubiquitin chains. *Molecular cell* **2004**, *15*, 535-548, doi:10.1016/j.molcel.2004.08.008. IF= 14.548  
HIGH IMPACT **Times Cited: 892**

2. Samuel, B.S.; **Shaito, A.\***; Motoike, T.; Rey, F.E.; Backhed, F.; Manchester, J.K.; Hammer, R.E.; Williams, S.C.; Crowley, J.; Yanagisawa, M., et al. Effects of the gut microbiota on host adiposity are modulated by the short-chain fatty-acid binding G protein-coupled receptor, Gpr41. *Proceedings of the National Academy of Sciences of the United States of America* **2008**, *105*, 16767-16772, doi:10.1073/pnas.0808567105. IF=9.58  
\*Equal Contribution First Author, HIGH IMPACT **Times Cited: 1217**
3. Talhouk, R.; Tarraf, C.; Kobrossy, L.; **Shaito, A.**; Bazzi, S.; Bazzoun, D.; El-Sabban, M. Modulation of Cx43 and Gap Junctional Intercellular Communication by Androstenedione in Rat Polycystic Ovary and Granulosa Cells in vitro. *Journal of reproduction & infertility* **2012**, *13*, 21-32.
4. Kobeissy, F.; **Shaito, A.\***; Kaplan, A.; Baki, L.; Hayek, H.; Dagher-Hamalian, C.; Nehme, A.; Ghali, R.; Abidi, E.; Husari, A., et al. Acute Exposure to Cigarette Smoking Followed by Myocardial Infarction Aggravates Renal Damage in an In Vivo Mouse Model. *Oxidative medicine and cellular longevity* **2017**, *2017*, 5135241, doi:10.1155/2017/5135241. IF= 4.868. \*Equal Contribution First Author
5. **Shaito, A.\***; Saliba, J.; Husari, A.; El-Harakeh, M.; Chhoury, H.; Hashem, Y.; Shihadeh, A.; El-Sabban, M. Electronic Cigarette Smoke Impairs Normal Mesenchymal Stem Cell Differentiation. *Scientific reports Nature Publishing Group* **2017**, *7*, 14281, doi:10.1038/s41598-017-14634-z. IF= 4.011  
\*First Author.
6. Dekmak, A.; Mantash, S.; **Shaito, A.**; Toutonji, A.; Ramadan, N.; Ghazale, H.; Kassem, N.; Darwish, H.; Zibara, K. Stem cells and combination therapy for the treatment of traumatic brain injury. *Behavioural brain research* **2018**, *340*, 49-62, doi:10.1016/j.bbr.2016.12.039. IF= 2.770
7. El-Hajjar, L.; Jaleddine, N.; **Shaito, A.**; Zibara, K.; Kazan, J.M.; El-Saghir, J.; El-Sabban, M. Bevacizumab induces inflammation in MDA-MB-231 breast cancer cell line and in a mouse model. *Cellular signalling* **2019**, *53*, 400-412, doi:10.1016/j.cellsig.2018.11.007. IF= 3.388
8. El-Hajjar, L.; **Shaito, A.**; Jaleddine, N.; Zibara, K.; Kazan, J.M.; El-Saghir, J.; El-Sabban, M. Data on migration of the non-invasive breast cancer cell line, MCF-7 treated with Bevacizumab using Real Time Cell Analyzer (RTCA). *Data in brief* **2019**, *22*, 635-638, doi:10.1016/j.dib.2018.12.059.
9. Fardoun, M.; Dehaini, H.; **Shaito, A.**; Mesmar, J.; El-Yazbi, A.; Badran, A.; Beydoun, E.; Eid, A.H. The hypertensive potential of estrogen: An untold story. *Vascular pharmacology* **2019**, 10.1016/j.vph.2019.106600, 106600, doi:10.1016/j.vph.2019.106600. IF= 3.635
10. Hasan, H.; Abdelhady, S.; Haidar, M.; Fakhri, C.; El Hayek, S.; Mondello, S.; Kobeissy, F.H.; **Shaito, A.\***. Rodent Models of Methamphetamine Misuse: Mechanisms of Methamphetamine Action and Comparison of Different Rodent Paradigms. *Methods in molecular biology* **2019**, *2011*, 221-250, doi:10.1007/978-1-4939-9554-7\_13.  
\*Corresponding Last Author.
11. Kazan, J.M.; El-Saghir, J.; Saliba, J.; **Shaito, A.**; Jaleddine, N.; El-Hajjar, L.; Al-Ghadban, S.; Yehia, L.; Zibara, K.; El-Sabban, M. Cx43 Expression Correlates with Breast Cancer Metastasis in MDA-MB-231 Cells In Vitro, In a Mouse Xenograft Model and in Human Breast Cancer Tissues. *Cancers* **2019**, *11*, doi:10.3390/cancers11040460. IF= 6.02

12. Maaliki, D.; **Shaito, A.**; Pintus, G.; El-Yazbi, A.; Eid, A.H. Flavonoids in hypertension: a brief review of the underlying mechanisms. *Current opinion in pharmacology* **2019**, *45*, 57-65, doi:10.1016/j.coph.2019.04.014. IF= 5.203
13. Posadino, A.M.; Giordo, R.; Cossu, A.; Nasrallah, G.K.; **Shaito, A.**; Abou-Saleh, H.; Eid, A.H.; Pintus, G. Flavin Oxidase-Induced ROS Generation Modulates PKC Biphasic Effect of Resveratrol on Endothelial Cell Survival. *Biomolecules* **2019**, *9*, doi:10.3390/biom9060209. IF= 4.694
14. Zebian, A.; **Shaito, A.\***; Mazurier, F.; Rezvani, H.R.; Zibara, K. XPC beyond nucleotide excision repair and skin cancers. *Mutation Research* **2019**, 108286. IF= 6.081  
\*Equal Contribution First Author.
15. Jaleddine N, El-Hajjar L, Dakik H, **Shaito A**, Saliba J, Safi R, Zibara K, El Sabban M. Pannexin1 is Associated with Enhanced Epithelial-To-Mesenchymal Transition in Human Patient Breast Cancer Tissues and in Breast Cancer Cell Lines. *Cancers* **2019**. IF=6.02
16. **Shaito, A. \***, A. M. Posadino, N. Younes, H. Hasan, S. Halabi, D. Alhababi, A. Al-Mohannadi, W. M. Abdel-Rahman, A. H. Eid, G. K. Nasrallah and G. Pintus. "Potential Adverse Effects of Resveratrol: A Literature Review." *Int J Mol Sci*, vol. 21, no. 6, 2020, doi:10.3390/ijms21062084.\*First Author.
17. **Shaito, A. \***, Duong Thi Bich Thuan, Hoa Thi Phu, Thi Hieu Dung Nguyen, Hiba Hasan, Sarah Halabi, Samar Abdelhady, Gheyath K. Nasrallah, Ali H. Eid and Gianfranco Pintus. "Herbal Medicine for Cardiovascular Diseases: Efficacy, Mechanisms, and Safety." *Frontiers in Pharmacology*, vol. 11, no. 422, 2020, doi:10.3389/fphar.2020.00422. \*First Author.
18. **Shaito, A. \***, H. Hasan, K. J. Habashy, W. Fakih, S. Abdelhady, F. Ahmad, K. Zibara, A. H. Eid, A. F. El-Yazbi and F. H. Kobeissy. "Western Diet Aggravates Neuronal Insult in Post-Traumatic Brain Injury: Proposed Pathways for Interplay." *EBioMedicine*, vol. 57, 2020, p. 102829, doi:10.1016/j.ebiom.2020.102829. \*First Author. IF= 5.736.
19. Maha Tabet, Samar Abdelhady, Nour Al Huda Shaito, Marya El-Kurdi, Hiba Hasan, Reem Abedi, Nawara Osman, Riyadh El-Khoury, Abdullah Shaito\*, Firas H Kobeissy\*. "Mitochondria in Brain Injury: Antioxidants to The Rescue!" *Front. Young Minds*, 2020, DOI: 10.3389/frym.2020.510817. \*Corresponding Author.
20. Hiba Hasan, Maha Tabet, Samar Abdelhady, Sarah Halabi, Karl John Habashy, Firas H Kobeissy\*, Abdullah Shaito\*. "Tug of War between Neurogenesis and Neurodegeneration in Traumatic Brain Injury." *Frontiers Young Minds*, 2020. DOI: 10.3389/frym.2020.00119. \*Corresponding Author.
21. Fatimah Ahmad, Hiba Hasan, Samar Abdelhady, Walaa Fakih, Nawara Osman, Abdullah Shaito\*, Firas Kobeissy. "Healthy Meal Happy Brain: How does diet affect brain functioning?" *Frontiers Young Minds*, 2021. 9:578214. doi: 10.3389/frym.2021.578214. \*Corresponding Author
22. Ghareghani, M., A. Ghanbari, A. Eid, A. Shaito, W. Mohamed, S. Mondello and K. Zibara. "Hormones in Experimental Autoimmune Encephalomyelitis (Eae) Animal Models." *Transl Neurosci*, vol. 12, no. 1, 2021, pp. 164-189, doi:10.1515/tnsci-2020-0169.
23. Tanios J, Al-Halabi S, Hasan H, Abdelhady S, Saliba J, Shaito A\*, and Kobeissy F." *Tissue Engineering in Traumatic Brain Injuries*", 2021. *Front. Young Minds*. 9:514428. doi: 10.3389/frym.2020.514428. \*Corresponding Author.
24. Haidar MA, Shakkour Z, Reslan MA, Al-Haj N, Chamoun P, Habashy K, Kaafarani H, Shahjouei S, Farran SH, Shaito A et al. 2022. SARS-CoV-2 involvement in central nervous system tissue damage. *Neural Regen Res*. 17(6):1228-1239. eng.

25. Slika H, Mansour H, Wehbe N, Nasser SA, Iratni R, Nasrallah G, Shaito A, Ghaddar T, Kobeissy F, Eid AH. 2022. Therapeutic potential of flavonoids in cancer: ROS-mediated mechanisms. *Biomed Pharmacother.* 146:112442. eng.
26. Tabet M, El-Kurdi M, Haidar MA, Nasrallah L, Reslan MA, Shear D, Pandya JD, El-Yazbi AF, Sabra M, Mondello S et al. 2022. Mitoquinone supplementation alleviates oxidative stress and pathologic outcomes following repetitive mild traumatic brain injury at a chronic time point. *Exp Neurol.* 351:113987. eng.
27. Zebian A, El-Dor M, Shaito A, Mazurier F, Rezvani HR, Zibara K. 2022. XPC multifaceted roles beyond DNA damage repair: p53-dependent and p53-independent functions of XPC in cell fate decisions. *Mutation Research/Reviews in Mutation Research.* 789:108400.
28. Haidar MA, Ibeh S, Shakkour Z, Reslan MA, Nwaiwu J, Moqidem YA, Sader G, Nickles RG, Babale I, Jaffa AA et al. 2022. Crosstalk between Microglia and Neurons in Neurotrauma: An Overview of the Underlying Mechanisms. *Curr Neuropharmacol.*  
\*Corresponding Author
29. K. J. Habashy, F. Ahmad, S. Ibeh, S. Mantash, F. Kobeissy, H. Issa, R. Habis, A. Tfaily, S. Nabha, H. Harati, M. A. Reslan, Y. Yehya, C. Barsa, A. Shaito, K. Zibara, A. F. El-Yazbi and F. H. Kobeissy: Western and ketogenic diets in neurological disorders: can you tell the difference? *Nutr Rev* (2022) doi:10.1093/nutrit/nuac008
30. Ghareghani, M.; Ghanbari, A.; Eid, A.; Shaito, A.; Mohamed, W.; Mondello, S.; Zibara, K. Hormones in experimental autoimmune encephalomyelitis (EAE) animal models. *Transl Neurosci* 2021, 12, 164-189, doi:10.1515/tnsci-2020-0169.
31. AlKahlout, A.; Fardoun, M.; Mesmar, J.; Abdallah, R.; Badran, A.; Nasser, S.A.; Baydoun, S.; Kobeissy, F.; Shaito, A.; Iratni, R.; et al. *Origanum syriacum* L. Attenuates the Malignant Phenotype of MDA-MB231 Breast Cancer Cells. *Front Oncol* 2022, 12, 922196, doi:10.3389/fonc.2022.922196.
32. Haidar, M.A.; Shakkour, Z.; Reslan, M.A.; Al-Haj, N.; Chamoun, P.; Habashy, K.; Kaafarani, H.; Shahjouei, S.; Farran, S.H.; Shaito, A.; et al. SARS-CoV-2 involvement in central nervous system tissue damage. *Neural Regen Res* 2022, 17, 1228-1239, doi:10.4103/1673-5374.327323.
33. Mesmar, J.; Abdallah, R.; Badran, A.; Maresca, M.; Shaito, A.; Baydoun, E. *Ziziphus nummularia*: A Comprehensive Review of Its Phytochemical Constituents and Pharmacological Properties. *Molecules* 2022, 27, doi:10.3390/molecules27134240.
34. 5. Mesmar, J.; Abdallah, R.; Hamade, K.; Baydoun, S.; Al-Thani, N.; Shaito, A.; Maresca, M.; Badran, A.; Baydoun, E. Ethanolic extract of *Origanum syriacum* L. leaves exhibits potent anti-breast cancer potential and robust antioxidant properties. *Front Pharmacol* 2022, 13, 994025, doi:10.3389/fphar.2022.994025.
35. Sawma, T.; Shaito, A.; Najm, N.; Sidani, M.; Orekhov, A.; El-Yazbi, A.F.; Iratni, R.; Eid, A.H. Role of RhoA and Rho-associated kinase in phenotypic switching of vascular smooth muscle cells: Implications for vascular function. *Atherosclerosis* 2022, 358, 12-28, doi:10.1016/j.atherosclerosis.2022.08.012.
36. Shaito, A.; Al-Mansoob, M.; Ahmad, S.M.S.; Haider, M.Z.; Eid, A.H.; Posadino, A.M.; Pintus, G.; Giordo, R. Resveratrol-mediated regulation of mitochondria biogenesis-associated pathways in neurodegenerative diseases: molecular insights and potential therapeutic applications. *Curr Neuropharmacol* 2022, doi:10.2174/1570159x20666221012122855.
37. Shaito, A.; Aramouni, K.; Assaf, R.; Parenti, A.; Orekhov, A.; Yazbi, A.E.; Pintus, G.; Eid, A.H. Oxidative Stress-Induced Endothelial Dysfunction in Cardiovascular Diseases. *Front Biosci (Landmark Ed)* 2022, 27, 105, doi:10.31083/j.fbl2703105.

38. Slika, H.; Mansour, H.; Wehbe, N.; Nasser, S.A.; Iratni, R.; Nasrallah, G.; Shaito, A.; Ghaddar, T.; Kobeissy, F.; Eid, A.H. Therapeutic potential of flavonoids in cancer: ROS-mediated mechanisms. *Biomed Pharmacother* 2022, 146, 112442, doi:10.1016/j.biopha.2021.112442.
39. Soltani, A.; Jaam, M.; Nazar, Z.; Stewart, D.; Shaito, A. Attitudes and beliefs regarding the use of herbs and supplementary medications with COVID-19: A systematic review. *Res Social Adm Pharm* 2022, doi:10.1016/j.sapharm.2022.11.004.
40. Tabet, M.; El-Kurdi, M.; Haidar, M.A.; Nasrallah, L.; Reslan, M.A.; Shear, D.; Pandya, J.D.; El-Yazbi, A.F.; Sabra, M.; Mondello, S.; et al. Mitoquinone supplementation alleviates oxidative stress and pathologic outcomes following repetitive mild traumatic brain injury at a chronic time point. *Exp Neurol* 2022, 351, 113987, doi:10.1016/j.expneurol.2022.113987.
41. Zebian, A.; El-Dor, M.; Shaito, A.; Mazurier, F.; Rezvani, H.R.; Zibara, K. XPC multifaceted roles beyond DNA damage repair: p53-dependent and p53-independent functions of XPC in cell fate decisions. *Mutat Res Rev Mutat Res* 2022, 789, 108400, doi:10.1016/j.mrrev.2021.108400.
42. Aldhafer, A.; Shahabipour, F.; Shaito, A.; Al-Assaf, S.; Elnour, A.A.M.; Sallam, E.B.; Teimourdash, S.; Elfadil, A.A. 3D hydrogel/ bioactive glass scaffolds in bone tissue engineering: Status and future opportunities. *Heliyon* 2023, 9, e17050, doi:10.1016/j.heliyon.2023.e17050.
43. Aramouni, K.; Assaf, R.; Shaito, A.; Fardoun, M.; Al-Asmakh, M.; Sahebkar, A.; Eid, A.H. Biochemical and cellular basis of oxidative stress: Implications for disease onset. *J Cell Physiol* 2023, doi:10.1002/jcp.31071.
44. Aramouni, K.; Assaf, R.K.; Azar, M.; Jabbour, K.; Shaito, A.; Sahebkar, A.; Eid, A.A.; Rizzo, M.; Eid, A.H. Infection with *Helicobacter pylori* may predispose to atherosclerosis: role of inflammation and thickening of intima-media of carotid arteries. *Frontiers in Pharmacology* 2023, 14, doi:10.3389/fphar.2023.1285754.
45. El-Hajjar, L.; Saliba, J.; Karam, M.; Shaito, A.; El Hajj, H.; El-Sabban, M. Ubiquitin-Related Modifier 1 (URM-1) Modulates Cx43 in Breast Cancer Cell Lines. *International Journal of Molecular Sciences* 2023, 24, doi:10.3390/ijms24032958.
46. Obeid, J.; Shaito, A.; Hajj, H.E.; Deleuze-Masquefa, C.; Bonnet, P.A.; El-Sabban, M.; Saliba, J. Biological applications of imiquimod analogues: An update (Review). *World Academy of Sciences Journal* 2023, 5, doi:10.3892/wasj.2023.197.
47. Shaito, A.; Al-Mansoob, M.; Ahmad, S.M.S.; Haider, M.Z.; Eid, A.H.; Posadino, A.M.; Pintus, G.; Giordo, R. Resveratrol-Mediated Regulation of Mitochondria Biogenesis-associated Pathways in Neurodegenerative Diseases: Molecular Insights and Potential Therapeutic Applications. *Current Neuropharmacology* 2023, 21, 1184-1201, doi:10.2174/1570159X20666221012122855.
48. Slika, H.; Mansour, H.; Nasser, S.A.; Shaito, A.; Kobeissy, F.; Orekhov, A.N.; Pintus, G.; Eid, A.H. Epac as a tractable therapeutic target. *European Journal of Pharmacology* 2023, 945, doi:10.1016/j.ejphar.2023.175645.
49. Soltani, A.; Jaam, M.; Nazar, Z.; Stewart, D.; Shaito, A. Attitudes and beliefs regarding the use of herbs and supplementary medications with COVID-19: A systematic review. *Research in Social and Administrative Pharmacy* 2023, 19, 343-355, doi:10.1016/j.sapharm.2022.11.004.

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**BOOK CHAPTERS**

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1. Hasan, H.; Abdelhady, S.; Haidar, M.; Fakh, C.; El Hayek, S.; Mondello, S.; Kobeissy, F.H.; **Shaito, A.\*** (2020) Rodent Models of Methamphetamine Misuse: Mechanisms of Methamphetamine Action and Comparison of Different Rodent Paradigms. In: Kobeissy F. (eds) Psychiatric Disorders. Methods in Molecular Biology, vol 2011. Humana, New York, NY.  
\*Corresponding Last Author.
2. **Shaito, A\***; and Hajj Hassan, H. (2019). Delivery of Immune Checkpoint Inhibitors Using Nanoparticles. In: Nanoparticle Drug Delivery Systems for Cancer Treatment, 1<sup>st</sup> Edition 2019. Gali-Muhtasib H and Chouaib R (eds). Jenny Stanford Publishing, New York, NY.  
\*Corresponding Author.
3. Kobeissy F, **Shaito A\***, Ahmad F, Hasan H, Abdel Hady S, Nasrallah L, Shaito N, Hajj Hassan H, Zibara K, Yadikar H, Yang Z, Istanbouli A, Wnag K. (2020). Autoantibodies in Central Nervous System Trauma: New Frontiers for Diagnosis and Prognosis. In: Biomarkers for Traumatic Brain Injury 1st Edition 2020 Alan Wu and W. Frank Peacock (eds). Academic Press- Elsevier, ISBN: 9780128163467.  
\*Equal Contribution First Author
4. Chirine El Baba, Ali Eid, Abdallah Shaito, Firas Kobeissy, and Nadine Darwiche "Retinoids and reactive oxygen species in cancer cell death and therapeutics." 2021 in Handbook of Oxidative Stress and Cancer.
5. Mohammad Reslan, Hawraa Issa, Nadine Al-Haj, Stanley Ibeh, Yara Yehya, Firas Kobeissy, , Ali H. Eid, Kazem Zibara, Abdullah **Shaito\***. "Phytochemicals in the Management of Alzheimer's Disease" in "Role of Micronutrients in Brain Health". 2022  
\*Corresponding Author.
6. Nadine Al-Haj, Hawraa Issa, Ola El Zein, Stanley Ibeh, Yara Yehya, Firas Kobeissy, Kazem Zibara, Ali H. Eid, and Abdullah **Shaito\***. "Alternative Medicine in the Management of Traumatic Brain Injury: Experimental Evidence for the Use of Phytochemicals in Therapy of Traumatic Brain Injuries" in "Role of Micronutrients in Brain Health", 2022.  
\*Corresponding Author
7. **Shaito, A.**; Saliba, J.; Obeid, J.; El-Harakeh, M.; El Hajj, H.; El-Sabban, M. Intercellular Communication in Cancer. In Handbook of Cancer and Immunology; Springer: 2023; pp. 1-36.
8. Saliba, J.; El-Sabban, M.; Shaito, A.; El-Harakeh, M.; Obeid, J.; El Hajj, H.; El-Sabban, M. Cancer Metastasis: Dynamic Hetero-cellular Communications Between Cancer Cells and Host Tissues. In Handbook of Cancer and Immunology; Springer: 2023; pp. 1-31.

## PATENTS

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- Regulating intestinal microbiota dependent signaling as a means to modulate body fat and/or weight loss. Gordon G.I, Samuel S.B, Yanagisawa M, Shaito A, Motoike T. P.A., 2010. Patent WO 2010030997.

## CONFERENCES AND MEETINGS

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### *Representative meetings:*

- C.G. Tarraf, R. S. Talhouk, A. A. Shaito, and M. E. El-Sabban. 2000. The effect of the extracellular matrix on differentiation and gap junctional intercellular communication in rat granulosa cells. The American Society for Cell Biology 40th annual meeting. San Francisco, California, USA.
- Hong M, Shaito, A and Chen ZJ. 2002. Use of RNAi in S2 Drosophila cells to screen for Toll pathway signaling intermediates. 43rd Annual Drosophila Research Conference, San Deigo, California USA.
- Shaito A and Yanagisawa M, Isolation and purification of mouse enteroendocrine cells from recombineered CCK-GFP mice using FACS. 2007. Howard Hughes Medical Institute Annual Science Meeting. HHMI headquarter, Chevy Chase, Maryland, USA.
- Nour Jalaeddine, Dakik H, Shaito A, Saliba J, El-Hajjar L, Chhoury H, Zibara K, El-Sabban M. July 2019. Pannexin1 is associated with enhanced epithelial-to-mesenchymal transition in human patient breast cancer tissues and in MDA-MB-231 breast cancer cells. International Gap Junction Conference, Victoria, Canada.
- Jessica Saliba, Shaito A, Hijazi R, Akawi R, Maaliki L, Hashem Y, Husari A, El-Sabban M. July 2019. Mesenchymal stem cells exposed to e-cigarette smoke recover Connexin 43 expression and osteogenic differentiation potential following smoke cessation International Gap Junction Conference, Victoria, Canada.

## SUPERVISION OF GRADUATE THESES

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### *Co-Supervisor of:*

- Ph.D. Thesis of Nour Jalaeddine at Beirut Arab University.
- Ph.D. Thesis of Layal Hajjar at Beirut Arab University.

### *Supervisor of:*

- Master II Thesis of Larissa Ayoub at the Lebanese University.
  - Master II Thesis of Joel Sokhen at the Lebanese University.
  - Master II Thesis of Rawya Hijazi at the Lebanese University.
  - Master II Thesis of Reine Kanaan at the Lebanese University.
  - Master II Thesis of Rajaa Akawi at the Lebanese University.
-



- Master Thesis of Nadine El Hajj, University of Balamand.
- Master Thesis of Jeane Pierre Nehme, University of Balamand.
- Master Thesis of Aseela Fathima (Ongoing)
- Master Thesis of Salma Ahmed (Ongoing)

### **EDITORIAL/ REVIEW ACTIVITIES**

---

- Editor: *Frontiers in Neurology*, 2019- Present.
- Editor: *Journal of Vascular Diseases*, 2021- Present
- Advisory board member: *Heliyon*, 2021-Present
- Reviewer for many journals including: *Reviews in Medical Virology*, *Advanced Industrial and Engineering Polymer Research*, *Biology*, *Current Issues in Molecular Biology*, *Nanomedicine*, *Pharmaceuticals*, *Frontiers in Cardiovascular Medicine*, *Phytomedicine*, *Cancers*, *International Journal of Molecular Sciences*, *Journal of Personalized Medicine*, *Cancer Reports*, *Journal of Clinical Medicine*, *Biomedicines*, *Emergent Materials*, *Current Molecular Medicine*, *Frontiers in Medicine*, *Current Topics in Medicinal Chemistry*, *Journal of Functional Biomaterials*, *Current Pharmaceutical Design*, *Molecules*, *Current Pharmaceutical Biotechnology*, *Journal of Evidence-Based Integrative Medicine*, *Separations*, *Frontiers in Pharmacology*, *Gene Reports*, *Tissue and Cell*, *Frontiers Cell and Developmental Biology*, *Journal of Advanced Research*, *Scientific Reports*, *Behavioral Brain Research*, *Frontiers in Physiology*, *Plos One*,

### **MEMBERSHIPS**

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- Sigma Xi Scientific Research Honor Society
- The European Association for Cancer Research
- International Society for Stem Cell Research

### **LANGUAGES AND SKILLS**

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English (Fluent both written and spoken) and Arabic (Native).

Advanced computer and biostatistics skills

- Word, Excel, PowerPoint, Photoshop, EndNote
- Sigmaplot, Prism.
- Biological software: DNA strider, primer3, Vector NTI, ImageJ

Advanced writing skills (grant, manuscript and review writing).

Advanced presentation skills.

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## REFERENCES

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