**SARA AL-GHADBAN**

*Curriculum  Vitae*

*E-mail:****sghadban@email.arizona.edu***

**EDUCATION**

* **Doctor of Science (Dr. rer. nat.)**, Cell Biology, Leibniz Universität Hannover, Germany *2016*
* **Masters of Science**, Biochemistry, American University of Beirut, Lebanon *2007*
* **Bachelor of Science**, Biology, Lebanese University, Lebanon *2002*

**EXPERIENCE**

**University of Arizona**

*Postdoctoral Reseach Associate 2016-Present*

*Departmetn of Medicine, Division of Endocrinology, TREAT program*

**Leibniz Universität Hannover/ American University of Beirut**

*PhD student* *2012– 2016*

* Dissertation title: “The inflammatory microenvironment in a model of Inflammatory Bowel Disease”.

**American University of Beirut**

*Research Associate 2010 – Feb 2016*

*Department of Anatomy, Cell Biology, and Physiological Sciences, Faculty of Medicine*

*Supervisor: Prof. Marwan El-Sabban*

* Technician in the project entitled: “Exploring Marine Resources for Bioactive Compounds: From Discovery to Sustainable Production and Industrial Applications”.
* Contributed to ongoing research activity on cancer and cell-cell communication projects at the laboratory.
* Highly experienced in Cell culture and Molecular biology techniques (Cloning, protein, DNA, RNA analysis, Real-time PCR), xCELLigence Real-Time Cell Analyzer (RTCA), advanced microscopy techniques (Zeiss 710 Laser Scanning Confocal Microscope, Laser Microdissection Systems Leica LMD6500), and Flow cytometry.
* Represented AUB in two international conferences.
* Contributed to writing grant proposals and research papers.

*Research Assistant 2008 – 2010*

*Department of Anatomy, Cell Biology, and Physiological Sciences, Faculty of Medicine*

* Technician in the project entitled: “Mechanisms of human skin cancer metastasis.”

*Master’s student 2005 – 2007*

*Department of Biochemistry, Faculty of Medicine*

* Thesis title: “*Hey 2*, a candidate gene for congenital heart disease.”

**PUBLICATIONS (\* = equal contribution)**

* **Sara Al-Ghadban,** Samira Kaissi, Fadia R. Homaidan, Hassan Y. Naim, and Marwan E. El-Sabban. **2016.** Cross-talk between Human Intestinal Epithelial Cells and Immune Cells in Inflammatory Bowel Disease. ***Scientific Reports July 15; 6:29783.***
* Ahmad M Mansour**\***, **Sara Al-Ghadban\*,** Muhammad H Yunis, and Marwan E El-Sabban. **2015.** Ziv-aflibercept in macular disease. ***Br J Ophthalmol.,* 0:1–5.**
* Kazem Zibara, Zahraa Awada Leila Dib, Jamal El-Saghir, **Sara Al-Ghadban**, Aida Ibrik, Nabil El-Zein, and Marwan El-Sabban. **2015**. Anti-angiogenesis therapy and gap junction inhibition reduce MDA-MB-231 breast cancer cell invasion and metastasis in vitro and in vivo. ***Scientific Reports*** ***Jul 28;5:12598.***
* Mohammad Sakr,Najeeb Halabi,Leen Kalash,**Sara Al-Ghadban**,Mayyasa Rammah,Marwan El Sabban,Kamal Bouhadir,Tarek Ghaddar**. 2016.** Synthesis and *In-Vitro* Cytotoxicity Evaluation of Ruthenium Polypyridyl-Sensitized Paramagnetic Titania Nanoparticles for Photodynamic Therapy. ***RSC Adv., 2016,6, 47520-47529***
* Maamoun Abdul Fattah**\***, **Sara Al-Ghadban\*,** Rafic Antonios, Marwan El Sabban, Rola N Hamam. **2016.** Aliquoted Adalimumab, Maintains Functional Neutralizing Activity against TNF alpha in-vitro: Implication for Clinical Use. ***Submitted to Journal of Ocular Pharmacology and Therapeutics (JOP-2016-0026).***
* GeorgesKhalil, MarwanEl- Sabban, **Sara Al-Ghadban**, SandyAzzi, SaraShamra, Simon Khalifé and Richard Maroun. **2008.** Cytokines expression profile, by sensitized T human lymphocytes, after *in vitro* stimulation by amoxicillin**. *Eur. Cytokine Netw.,* 19 (3):1-11.**
* Inaam El-Rassy, Jad Bou-Abdallah, **Sara Al-Ghadban**, Fadi Bitar, and Georges Nemer. **2008.** Absence of *NOTCH2* and *Hey2* Mutations in a Familial Alagille Syndrome Case with a Novel FrameShift Mutation in *JAG1***. *American Journal of Medical Genetics Part A.* 146A: 937–939.**

**POSTER PRESENTATIONS IN INTERNATIONAL CONFERENCES**

* ASCB/IFCB Meeting, Philadelphia. December **2014.**

**ABSTRACT:** Expression and Regulation of Connexins under “Inflammatory” state: Communication between Human Intestinal Epithelial Cells and Immune Cells. **Sara Al-Ghadban**, Samira Kaissi, Fadia R. Homaidan, Hassan Y. Naim, and Marwan E. El-Sabban.

* Advances in Cancer Research, From the Laboratory to the Clinic. Dead Sea, Jordan. **2010.**

**ABSTRACT**: Correlation between the expression of connexins in skin cancer cells and malignant phenotype**.** Sawsan Sallouh, Marwan El-Sabban, and **Sara Al-Ghadban**.

**CONFERENCES**

* Attended the 2nd Annual Basic Biomedical Research Day. AUB, Lebanon. **2012.**
* Attended the 18th International Science Meeting: New Discoveries in Science. Lebanon. **2012.**

**AWARDS**

* Poster award: “Efficacy of Adalimumab Stored in Plastic Vials at Four Degrees Celsius.” Fifth Annual Basic Biomedical Research Day, AUB. **February 2015.**
* The American Society for Cell Biology (ASCB) International Travel Award for Graduate Students. ASCB/IFCB Meeting in Philadelphia. **December 2014**.

**CERTIFICATIONS**

* Certified Institutional Review Board Member, CITI, **2016**
* Chemical and Biological Lab Safety, **2010**
* Radiation Safety, American University of Beirut, **2007**

**SKILLS**

* Excellent communication skills
* Capable of working independently yet is a great team player
* Creative thinker that tries to find innovative solutions in all aspects
* Strong management and interpersonal skills with a confident attitude
* Effective time management planning

**LANGUAGES**

* English: fluent (reading, speaking, writing)
* Arabic: native (reading, speaking, writing)
* French: good (reading, speaking)