


PERSONAL INFORMATION**FATIMA SALEH**

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 f.saleh@bau.edu.lb

Sex Female | Date of birth 28/09/1981 | Nationality Lebanese/British

POSITION

Associate professor and head of Department of Medical Laboratory Technology, Faculty of Health Sciences, Beirut Arab University

WORK EXPERIENCE

Date	Sept 2019-present
Occupation or position held	Head of medical laboratory technology department
Main activities and responsibilities	Administrative and quality management responsibilities
Name and address of employer	Faculty of Health Sciences, Beirut Arab University, Beirut
Date	Sept 2018- present
Occupation or position held	Associate Professor
Main activities and responsibilities	Teaching and coordinating the following courses: laboratory Quality management & accreditation, Quality Control & Laboratory Management, Pharmacology in PT, Pharmacology for Nurses, Toxicology, Evidence-Based laboratory Research. Initiated University elective "Topics in Addiction" & Faculty elective "Stem Cell Biology".
Name and address of employer	Faculty of Health Sciences, Beirut Arab University, Beirut
Date	Sept 2013-Aug 2018
Occupation or position held	Assistant Professor
Name and address of employer	Faculty of Health Sciences, Beirut Arab University, Beirut
Date	Sept 2012-Aug 2013
Occupation or position held	Lecturer
Name and address of employer	Faculty of Medicine, Beirut Arab University, Beirut
Date	2011- 2012
Occupation or position held	Research Associate

Main activities and responsibilities Use of metabolic profiling to generate biomarkers of embryonic stem cell potential: Large-scale culturing and differentiating of feeder and feeder-free embryonic stem (ES) cells. Using confocal microscopy, flow cytometry and q-PCR to analyse ES cells phenotypes. High Performance Liquid Chromatography (HPLC) to determine ES cells metabolic profile and analysis of the data obtained.

Name and address of employer Hull York Medical School (HYMS), University of York, York, United Kingdom.

Date April 2006- Aug 2007

Occupation or position held Research Scientist

Main activities and responsibilities Studying murine MSCs in 2D and 3D environments: Cell culture, molecular biology, western blotting, immunohistochemistry, flow cytometry, cell tracking, PCR and qRT-PCR, single and multiphoton confocal microscopy, scanning and transmission electron microscopy, sectioning, protein extraction and HPLC.

Name and address of employer Biomedical Tissue Research Group, Department of Biology, University of York, York, United Kingdom.

EDUCATION AND TRAINING

Date 2007- 2011

Title of qualification required PhD in Biological Sciences

Principal subjects/ occupational skills covered Title of the thesis 'Regulation of mesenchymal stem cell activity in an in vitro model of the stem cell niche'

- 2D & 3D co-cultures of stem cells and endothelial cells
- canonical Wnt signalling in 2D & 3D MSC culture models,
- Molecular techniques for the analysis of gene transcript expression and proteins.

Name and type of organisation providing education and training Wentworth College, University of York, York, United Kingdom.

Level in national or international classification International Classification

Date 2004- 2006

Title of qualification required MSc in Pharmacology and Biotechnology

Principal subjects/ occupational skills covered Sheffield Hallam University, Sheffield, United Kingdom.

Level in national or international classification International Classification

Date 1999- 2004

Title of qualification required BSc in Pharmacy

Name and type of organisation providing education and training Faculty of Pharmacy, Beirut Arab University, Lebanon

Level in national or international classification National Classification

PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	Excellent	Excellent	Excellent	Excellent	Excellent
FRENCH	Good	Good	Fair	Fair	Good

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

- good command of office suite (word processor, spread sheet, presentation software)
- good command of excel, Power point, Corel Draw
- good command of SPSS

Driving licence Lebanese driving License

ADDITIONAL INFORMATION

Professional / managerial skills	<p>2020-present: Guest editor of Medical sciences (MDPI): Molecular Diagnostics and Personalized Therapy.</p> <p>Reviewer in many peer-reviewed journals published by Elsevier, springer nature, MDPI</p> <p>2017-2018: academic coordinator of BSc programs, Faculty of Health Sciences, Beirut Arab University.</p> <p>2018- 2020: Head of the faculty Quality Assurance Unit, Faculty of Health Sciences, Beirut Arab University</p> <p>2017- present: member of the university Quality Assurance committee, Beirut Arab University.</p> <p>2016- 2017: member of IRB, Beirut Arab University</p> <p>2015- 2017: member of the research committee, Faculty of Health Sciences, Beirut Arab University</p> <p>2013-present: member of the faculty council, Faculty of Health Sciences, Beirut Arab University</p> <p>2013-present: member of the advisory committee, Faculty of Health Sciences, Beirut Arab University</p> <p>2017: Organiser of the scientific day "Health & Wellbeing", Faculty of Health Sciences, Beirut Arab University.</p> <p>2017: Organiser of the scientific day "Health Awareness for a Better Future -Woman & Diabetes", Faculty of Health Sciences, Beirut Arab University.</p> <p>2018: organiser of a two-day ISO/IEC 17025: 2017 workshop entitled "General requirements for the competence of testing and calibration laboratories", under the USAID funded program implemented by Land O'Lakes International Development.</p> <p>2013-2015 & 2018: secretary of the faculty council, Faculty of Health Sciences, Beirut Arab University</p> <p>2012-present Member of the York Alumni Association</p> <p>2005-present: Member of the Order of Pharmacists of Lebanon</p>
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Technical skills and competences

January 2021: moderator in the he First FOS Webinar: The COVID-19 pandemic on the Lebanese setting: The implication on Health & Wellbeing organized by the Faculty of Health Sciences, BAU.

March 2018: moderator of the 'Biomedical Sciences and Molecular Biology' session at the '1st Student Innovation and Research Conference for Arab Universities and Schools' organized by the Faculty of Science, BAU.

2018: Certificate of attendance of the training workshop entitled 'Critical Thinking' , BAU

2018: Attended a workshop entitled 'Internal quality assurance/ Development and implementation of operational strategic plan', BAU.

April 2017: Certificate of attendance of the scientific day entitled "Health & Wellbeing", Faculty of Health Sciences, Beirut Arab University.

May 2016: Certificate of attendance of the Middle East Medical Assembly 2016 Updates, Precision Medicine: A new Era Towards Personalized Healthcare, AUBMC.

2013-2014: Certificate of participation in the "Academic Staff development program", BAU.

2014-2015: Certificate of attendance of a lecture entitled "Learning Styles: Do we learn the same way?", BAU.

May 2014: Certificate of participation in workshop entitled "Why quality in Healthcare: Quality definitions and Quality Management principles" , BAU.

May 2014: Certificate of attendance of lectures entitled "Cost of Quality & Healthcare Corporate Governance Guidelines", BAU.

March 2014: Certificate of attendance of six training workshops entitled "The Enhancement of Staff-members' Teaching skills", faculty of Arts, BAU.

December 2014: Certificate of attendance of a workshop entitled "Authentic Teaching & Learning", BAU.

February 2014: Certificate of participation in "Disaster Risk Reduction" by the UNDP-Disaster Risk Reduction Unit.

Certificate of attendance of the workshop entitled "The Future of PBL Virtual Patient Learning"

Fatima Saleh, Leila Itani, Simona Calugi, Riccardo Dalle Grave and Marwan El Ghoch. 'Treating Diet-Induced Obesity with Adipose-Derived Mesenchymal Stem Cells: Preclinical Evidence-Based Approach', International Translational and Regenerative Medicine Conference", Rome, Italy, 2018

Fatima Saleh and Paul Genever. Real-Time Analysis of Endogenous Wnt Signalling in 3D Mesenchymal Stromal Cells. 2nd International Congress on Stem Cell and Cellular Therapies, Antalya, Turkey, 2015.

Fatima Saleh and Paul Genever. Mesenchymal Stem Cells in Spheres: A 3D Revolution, 2nd STEMS, Latest Updates in Stem Cells and Regenerative Medicine. Lebanese University, Fanar, Lebanon, 2014.

Fatima Saleh and Paul Genever. Regulation of mesenchymal stem cell activity by endothelial cells in 3D spheroids. Invited speaker at the Faculty of Sciences, Beirut Arab University (BAU), Debbeye, Lebanon, 2013.

Fatima Saleh and Paul Genever. Modelling the MSC niche. Invited speaker at the Department of Anatomy, Cell Biology and Physiological Sciences, Faculty of Medicine, American University of Beirut (AUB), Lebanon, 2012.

Fatima Saleh, Farinaz Asfan, Ashley Jaques, Muna Whyte and Paul Genever. Canonical Wnt Signalling in 3D Mesenchymal Stem Cells. UKNSCN Annual Science Meeting, York, UK, 2011.

Fatima Saleh, Muna Whyte and Paul Genever. The mesenchymal stem cell niche: Endothelial cells determine MSC activity. The United Kingdom National Stem Cell Network (UKNSCN) Annual Science Meeting, Nottingham, UK, 2010.

Fatima Saleh, Muna Whyte and Paul Genever. Endothelial cells determine mesenchymal stem cell activity. White Rose Biomaterials and Tissue Engineering (BITEG) annual meeting, York, UK, 2010.

Fatima Saleh, Muna Whyte and Paul Genever. Modelling the niche: Endothelial cells determine mesenchymal stem cell activity. 4th UK Mesenchymal stem cell meeting, Leeds, UK, 2010.

Fatima Saleh, Muna Whyte and Paul Genever. Regulation of MSCs by endothelial cells. 3rd UK Mesenchymal stem cell meeting, Sheffield, UK, 2009.

Fatima Saleh, Muna Whyte and Paul Genever. Regulation of human mesenchymal stem cell activity by endothelial cells. International Society for Stem Cell Research (ISSCR), Barcelona, Spain, 2009.

Fatima Saleh, Muna Whyte and Paul Genever. Regulatory effect of endothelial cells on human bone marrow stromal cells. 11th annual postgraduate symposium, Smith & Nephew, York, UK, 2008.

Fatima Saleh, Iubna Rifai. Conventional and Alternative Mesenchymal Stem Cell Therapies for the Treatment of Diabetes. Advances in Experimental Medicine and Biology. Springer, New York, NY, 2021.

Fatima Saleh, Aleen Sleem. COVID-19: Test, Test and Test. Medical Sciences, 2021; 9 (1), 1

Samer Kharroubi, **Fatima Saleh**. Are Lockdown Measures Effective Against COVID-19? Frontiers in Public Health, 2020, 8: 549692.

Fatima Saleh, Aleen Sleem. Mesenchymal stem cells in the fight against viruses: face to face with the invisible enemy. Current Research in Translational Medicine, 2020; 68(3): 105-110.

SG Haddad, M Mohammad, K Raafat, **Fatima Saleh**. Antihyperglycemic and hepatoprotective properties of miracle fruit (*Synsepalum dulcificum*) compared to aspartame in alloxan-induced diabetic mice. Journal of Integrative Medicine, 2020; 18 (6): 514-521

L Rifai, M Mohammad, K Raafat, **Fatima Saleh**. In Vitro and In Vivo Evaluation of the Protective Potential of *Moringa oleifera* Against Dietary Acrylamide-induced Toxicity. The Open Medicinal Chemistry Journal, 2020; 14 (1): 26-34.

Fatima Saleh, A Harb, N Soudani, H Zaraket. A three-dimensional A549 cell culture model to study respiratory syncytial virus infections. Journal of Infection and Public Health, 2020; 13(8): 1142-1147.

Fatima Saleh, Iubna Rifai. A Review on Acrylamide in Food: Occurrence, Toxicity, and Mitigation Strategies. International Journal of Toxicology, 2020; 39 (2), 93-102

Fatima Saleh, Nada El Darra, Karima Raafat. Red sour cherry for the treatment of diabetes mellitus. In book: Bioactive Food as Dietary Interventions for Diabetes, Academic Press, Elsevier, 2019.

Fatima Saleh. Knowledge and Attitude Among Lebanese Pregnant Women Toward Cord Blood Stem Cell Storage and Donation. Medicina, 2019; 55 (6), 244.

S Moussa, **Fatima Saleh**, S El Shamieh, T Assi, A Othman, F Farhat. Detection of PIK3R1 (L449S) Mutation in a Patient with Ovarian Cancer: A Case Report. Case Reports in Oncology, 2019; 13 (1), 188-192

Fatima Saleh, Leila Itani, Simona Calugi, Riccardo Dalle Grave and Marwan El Ghoch. Adipose-Derived Mesenchymal Stem Cells in the Treatment of Obesity: A Systematic Review of Longitudinal Studies on Preclinical Evidence, Current Stem Cell Research & Therapy, 2018;13(6):466-47.

Fatima Saleh, Nada El Darra, Karima Raafat, Iman El Ghazzawi. Phytochemical Analysis of *Nigella sativa* L. Utilizing GC-MS Exploring its Antimicrobial Effects against Multidrug-Resistant Bacteria, Pharmacogn J. 2018; 10(1): 99-105.

Said El Shamieh[‡], **Fatima Saleh**[‡], Salim Moussa, Joseph Kattan & Fadi Farhat. RICTOR gene amplification is correlated with metastasis and therapeutic resistance in triple-negative breast cancer. Pharmacogenomics, June 2018, 19(9):757-760.

Karim Raafat, Nada El-Darra, **Fatima Saleh**, Hiba Rajha, Richard Maroun, Nicola Louka. Infrared-Assisted Extraction and HPLC-Analysis of *Prunus armeniaca* L. Pomace and Detoxified-Kernel and their Antidiabetic Effects. Phytochemical Analysis, March 2018, 29(2):156-167.

Nada El Darra, Hiba N. Rajha, Espérance Debs, **Fatima Saleh**, Iman El-Ghazzawi, Nicolas Louka, Richard G. Maroun. Comparative Study between Ethanol and β -Cyclodextrin Assisted Extraction of Polyphenols from Peach Pomace, International Journal of Food Science, 2018,1-9.

Fatima Saleh, Nada El Darra, Karima Raafat. Hypoglycemic effects of *Prunus cerasus* L. pulp and seed extracts on Alloxan-Induced Diabetic Mice with histopathological evaluation, Biomedicine & Pharmacotherapy, 2017, 88: 870–877.

Said El Shamieh[‡], **Fatima Saleh**[‡], Mirna Fawaz, Gérard Siest, Fadi Farhat, Sophie Visvikis-Siest. Next generation sequencing and immuno-histochemistry profiling identify numerous biomarkers for personalized therapy of endometrioid endometrial carcinoma. Clinical Chemistry and Laboratory Medicine, November, 2017, 27;56 (1):e19-e22.

Fatima Saleh, Nada El Darra, karim Raafat. Hypoglycemic effects of Prunus cerasus L. pulp and seed extracts on Alloxan-Induced Diabetic Mice with histopathological evaluation. Biomedicine and pharmacotherapy, April, 2017, 88: 870-877.

Nada El Darra, Hiba N. Rajha, **Fatima Saleh**, Rami Al-Oweini, Richard G. Maroun, Nicolas Louka. Food fraud detection in commercial pomegranate molasses syrups by UV–VIS spectroscopy, ATR-FTIR spectroscopy and HPLC methods. Food Control, August 2017, 78:132-137.

Leah Etheridge, Rebecca A. Mason, **Fatima A Saleh** and Paul G Genever. Cell-cell signaling pathways that regulate mesenchymal stromal cell differentiation. In book: The Biology and Therapeutic Application of Mesenchymal Cells, Wiley, November 2016, 91-103.

Fatima Saleh, Alice Carstairs, Sharon Leah Etheridge and Paul G Genever. Real-Time Analysis of Endogenous Wnt Signalling in 3D Mesenchymal Stromal Cells. Stem Cells International, August 2016, 1:9

Fatima Saleh, Jessica E. Frith, Jennifer A. Lee, Paul G. Genever. Three-dimensional invitro culture techniques for mesenchymal stem cells. Methods in Molecular Biology. Emerging Methods in Progenitor Cell Biology: A Multisystemic Overview, January 2012, 916: 31-45.

Fatima Saleh, Muna Whyte, Paul Genever. Effects of endothelial cells on human mesenchymal stem cell activity in a three-dimensional in vitro model. European Cells & Materials, October 2011, 22: 242-257.

Fatima Saleh and Paul Genever. Turning Round. Mesenchymal Stem Cells in 3D, an in vitro Revolution? Cytotherapy, September 2011, 13(8):903-912.

Fatima Saleh, Muna Whyte, Peter Ashton, Paul Genever. Regulation of Mesenchymal Stem Cell Activity by Endothelial Cells. Stem Cells and Development, March 2011, 20(3): 391-403.

‡ **Authors contributed equally**

Grants

CNRS-BAU Grant:

Title: Adipose derived stem cells for the treatment of obesity and related diseases in mice

Amount: 25, 500, 000 LL

Duration: 14/08/2018-14/08/2020