

Personal information

First name(s) / Surname **Rajaa Mohamed Adnan Fakhoury**
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Nationality Lebanese
Date of birth 1 October 1963
Gender Female

Work experience

Occupation or position held Dean, Faculty of Science
Main activities and responsibilities Management, quality assurance, curriculum development, research, supervising students, and International agreements
Name and address of employer Beirut Arab University, Debbieh – Lebanon
Type of business or sector Education
Dates September 2009 to January 2011
Occupation or position held Head of the Biological & Environmental Science Department, Faculty of Science
Main activities and responsibilities Management, quality assurance, curriculum development, research, teaching and supervising students
Name and address of employer Beirut Arab University, Debbieh – Lebanon
Type of business or sector Education
Dates February 2011 to November 2011
Occupation or position held Professor of Biochemistry, Faculty of Health Sciences
Main activities and responsibilities Teaching, Block Co-coordinator, PBL sessions, Supervising OSPE exams.
Name and address of employer King Saud Bin Abdulaziz University, Riyadh, KSA
Type of business or sector Education
Dates September 2008 to September 2009
Occupation or position held Professor of Biochemistry, Faculty of Science
Main activities and responsibilities Teaching, quality assurance, research, supervising students.
Name and address of employer Beirut Arab University, Debbieh, Lebanon
Type of business or sector Education
Dates August 2006 to August 2008
Occupation or position held Head of the Pharmacology Department, Faculty of Pharmacy
Main activities and responsibilities Management, quality assurance, curriculum development, research, teaching and supervising students
Name and address of employer Pharmacology Department, Faculty of Pharmacy, Beirut Arab University
Type of business or sector Education
Dates August 2000 to August 2006
Occupation or position held Associate Professor Biochemistry
Main activities and responsibilities Teaching, research, supervising students.
Name and address of employer Pharmacology Department, Faculty of Pharmacy, Beirut Arab University
Type of business or sector Education
Dates October 1993 to July 2000
Occupation or position held Assistant Professor Biochemistry
Main activities and responsibilities Teaching, research
Name and address of employer Pharmacology Department, Faculty of Pharmacy, Beirut Arab University
Type of business or sector Education

Dates	October 1989 to July 1990
Occupation or position held	Research Assistant
Main activities and responsibilities	Teaching, research
Name and address of employer	Faculty of Sciences, Dept of Biochemistry, American University of Beirut.
Type of business or sector	Education

Education

Dates	July 1993
Title of qualification awarded	PhD, Medical Biochemistry
Principal subjects/occupational skills covered	Angiogenesis and Diseases . I studied a low molecular weight angiogenic factor : Endothelial cell stimulating factor (ESAF) in physiological neovascularisation such as tibial fracture healing and chronically electrically stimulated muscles and in pathological angiogenesis such as proliferative diabetic retinopathy and Ankylosing Spondyliti
Name and types of organization providing education and training	University of Manchester- England

Dates	June 1989
Title of qualification awarded	MSC. Biochemistry
Principal subjects/occupational skills covered	Ceruloplasmin – like properties of cupric diamine complexes
Name and types of organization providing education and training	American University of Beirut, Lebanon

Dates	October 1986
Title of qualification awarded	Bachelor in Medical Laboratories
Principal subjects/occupational skills covered	
Name and types of organization providing education and training	Faculty of Health Sciences, Lebanese University

Personal skills and competences

Mother tongue

Other language(s)

Self-assessment

*European Level **

English Language

French Language

Arabic

Understanding

Listening

C2

Reading

C2

Speaking

Spoken interaction

C2

Spoken production

C2

Writing

C2

C2

C2

C2

C2

C2

Organisational skills and competences

Member of the Following Committees:

1. Member of the Lebanese Universities association
2. Member of the ethical and scientific committee for research at Makassed Hospital. Beirut.
3. Member of the scientific committee at Chronic care center for Diabetes and Thalassemia. Beirut.
4. Member of the scientific committee for reviewing criteria for food import. Libnor, Lebanon
5. Member in the University Strategic Committee, Beirut Arab University.
6. Member of the human right committee, Beirut Arab University.

Meeting and Conferences

- 1999** : British Society for Histocompatibility and Immunogenetics
2000: Congress of the British Society of Rheumatology
2001 :Congress of the association of the colleges of Pharmacy in the Arab world
2006: Contributed on Quality Assurance in Higher Education “ Practices and Experiences” One-day Forum, organized by Beirut Arab University in collaboration with UNSCO Regional Bureau in Beirut Lebanon
2007: Organized workshop on :Implementation of Quality Control System in Clinical Laboratory
2008: 15th International Conference of the Lebanese association for the advancement of Science, presented one paper
2009: Workshop on Environment Impact Assessment in Lebanon, UNEP/ROWA, Lebanon
2009: The 15th International interdisciplinary conference on the environment, Daytona Beach, Florida, USA, presented one paper
2009: Arab Forum for Environment and Development, Beirut, Lebanon
2009: 16th International Conference of the Lebanese association for the advancement of Science
2009: Attended the 14th IAU International Conference “ The role of higher education in Fostering the culture dialogue and understanding” – Notre Dame University, Lebanon
2010: Attended the annual EMUNI conference in Tunisia
2010: 17th International Conference of the Lebanese association for the advancement of Science
2011: Water & Society, Las Vegas, USA.
2012: Attended the annual meeting of the Association for Arab Universities in Morocco
2013: Attended Quality in Medical Education “Assessment, Social Accountability, and Accreditation”, organized by AMEEMR, Riyadh, KSA
2013: Biomarkers and Clinical Research, Philadelphia, USA
2015: Enzymes, Drug and diseases, San Diego

Other skills and competences

1. External examiner for promotion of many Faculty Members in Egypt, Saudi Arabia, and Kuwait
2. External examiner for many graduate students for Master or Ph.D. degree
3. Organized and presented many workshops concerning Plagiarism, Writing up Thesis and Grants
4. Organized one day Forum on Quality Assurance in Higher Education “ Practices and Experiences” in collaboration with UNESCO Regional Bureau in Beirut, Beirut Arab University, Lebanon, 2006
5. Supervised 5 Ph.D. students and 16 M.Sc. students, Faculty of Science, Beirut Arab University (1996-2012). All awarded the degree.
6. Right now supervising 2 Ph.D. students and 12 M.Sc. Students, Faculty of Science, Beirut Arab University, Lebanon

Prizes and Awards

ORS award for overseas students

Frederick Craven Moore, Manchester University

Royal Society Travel Fellowship

Fellowships:

Post doctoral Research fellowship: (British Royal Society)

Genetics of Autoimmune diseases : I have investigated the immunogenetics of PMR , GCA, Behcet and Graves. I have carried out HLA-DRB1 molecular typing and candidate gene investigation including the following genes RANTES, CTLA-4, and ICAM

Current Research

1. I/D ACE polymorphism and its association with Diabetic nephropathy
2. I/D ACE polymorphism and its association with Preeclampsia
3. The study of the association of Resistin gene polymorphism with T2DM and obesity in Lebanon
4. Correlation of different genetic polymorphisms of Lipoprotein (a) and some cardiovascular risk factors in Lebanon
5. The Study of the Association of *CTLA-4* Gene Polymorphism and Hashimoto's Disease in Lebanon

Research projects funded

1. Matrix metalloproteinase gene polymorphism and lung cancer
2. Analysis of CYP2C9 and (OCT1) polymorphisms in Lebanese patients with type 2 diabetes mellitus: influence on metformin/ glibenclamide therapy

PUBLICATIONS

- 1- P.B. Jones, **R.F. Makki** and J.B. Weiss . Endothelial cell stimulating angiogenic factor- A new biological marker for disease activity in ankylosing spondylitis. *British Journal of Rheumatology* 1994, 33 : 332-335.
- 2- A.L. Wallace, **R Makki**, J. Weiss and S. Hughes. Measurement of serum angiogenic factor in devascularised experimental tibial fractures. *Journal of Orthopaedic Trauma* 1995, 9(4) : 324-332.
- 3- M.D. Brown, O. Hudlicka, **R.F. Makki** and J.B. Weiss. Low molecular mass endothelial cell stimulating factor (ESAF) in relation to capillary growth induced in rat skeletal muscle by low frequency electrical stimulation. *Int. J. Microc.- Clinical and Experimental* 1995, 49: 740- 741.
- 4- F.M. Al Sharif, **R.F. Makki**, W.E.R. Ollier and A.H. Hajeer. A new Microsatellite marker within the promoter region of the MIP-1 A gene. *Immunogenetics* 1999, 49 : 740- 741.
- 5- A.H. Hajeer, A. Dababneh, **R.F. Makki**, W. Thomson, K. Poulton, M.A.Gonzalez-Gay, C.Garci-Porrura, D.L. Matley and W.E.R. Ollier. Different gene loci within the HLA-DR and TNF regions are independently associated with susceptibility and severity in Spanish rheumatoid Arthritis patients. *Tissue Antigens* 2000, 55 : 319-325.
- 6- **R.F. Makki**, F.Al Sharif, M. Gonzalez-Gay, C. Garcia-Porrura, W.E.R Ollier and A.H. Hajeer. RANTES gene polymorphism in Polymyalgia Rheumatica , giant cell arteritis and rheumatoid arthritis. *Clinical and experimental Rheumatology*. 2000, 18 (3) : 33991-3993.
- 7- M.A. Gonzalez-Gay, A.H. Hajeer, A. Dababneh, **R. Makki**, C. Garcia-Porrura, W. Thomson and W.E. Ollier. Seronegative rheumatoid arthritis in elderly and polymyalgia rheumatica have different patterns of HLA association. *J. Rheumatology* 2000, 28(1): 122-125.
- 8- **R.F. Makki**. Serine 128 Arginine E-Selectin mutation in polymyalgia rheumatica and giant cell arteritis. *Alex. J. Pharm. Sci.* 2000, 14(1) : 35-37.

- 9- **R.F. Makki**, A. Wahadneh and E. Qudah. Genetic variation in the stromelysin promoter and Rheumatoid arthritis. *Alex. J. Pharm. Sci.* 2000, 14(2) : 109-112.
- 10- H.F. Hajeer and **R.F. Makki**. Matrix Metalloproteinases-Review article. *Alex. J. Pharm. Sci.* 1999, 13(1) : 79-84
- 11- A.A Fryer, M.A. Spiteri, A. Bianco, M. Hepple, P.W. Jones, R.C. Strange, **R. Makki**, G. Tavernier, F.I. Smilie, A. Woudcock, W.E. Ollier and A.H.Hajeer. The - 403 G ---- A promoter polymorphism in the RANTES gene is associated with atopy and asthma. *Genes Immun.* 2000 (8) : 509-514.
- 12- N.N. Salti, E. Baydoun, R.El Tawk, **R.F. Makki** and K. Knio. The Epidemiology of Leshmaniases in Lebanon. *Transactions of The Royal Society of Tropical Medicine and Hygiene.* Mar. 2000, 164-166.
- 13- H. Nakkash-Chmaisise, **R.F. Makki**, Essam E. Abdelhamed, N.N. Salti and I. Salti. CTLA-4 gene polymorphism and its association with Graves' disease in the Lebanese population. *Eur. J. Immunogenetics*, 2004, 31 : 141-143
- 14- **R.F. Makki**, Essam Abdelhamid and H. Nakkash-Chmaisise. A new microsatellite AT/AC complex repeat within the coding region of human M2 muscarinic receptor gene. *Alex. J. Pharm. Sc.* 2004, 18 (1), 63-65.
- 15- **R.F. Makki**, and H. Nakkash-Chmaisise. Genetic variability of M2 muscarinic receptors. Effect on in vivo receptor function. *Alex. J. Pharm. Sc.* 2004, 18 (2), 117-119.
- 16- Wafaa A. Amer, Salwa M. Kamal, **Rajaa F. Makki** and Hala B. Rahal. Effect of Fluoroquinolones on Actinobacillus actinomycetemcomitans associated periodontitis, using surgical and non surgical approaches. *J. Med. Microbiol.* 2005, 14 (2) : 165-172
- 17- **R.F. Makki**, H. Nakkash-Chmaisise, and N.N. Salti. A study of the effects of factor VG1691A, Methylenetetrahydrofolate reductase gene C677T, Prothrombin Gene G20210A and ICAM-1 gene G241A mutations on Behcet's disease in Lebanon. *Alex. J. Pharm. Sc.* 2006, 20(1):64-66
- 18- H Nakkash-Chmaisise, H Fakhoury, N.N. Salti and **R F Makki**. The ICAM-1 T/C 469 gene polymorphism but not G/A 241 is associated with Behcet's disease in the Lebanese population. *Saudi Medical Journal*, 2006, 27(5):604-607.
- 19- Hania Nakkash Chamisse, Manal Jammal, Hana Fakhoury, and **Rajaa Fakhoury**. A study of the association between Angiotensin-I Converting Enzyme I/D Dimorphism and Type-2 Diabetes Mellitus. *Saudi J Kidney Dis. Transpl.* 2009, 20(6) : 1038-1046
- 20- Salwa M. Kamal, **Rajaa F. Makki**, and Dalal A. Hammoudi : Mouse Mammary Tumor Virus (MMTV) like sequence in breast cancer of Egyptian women. *Prevention of Cancer: New Research.* 2008. Editors: JW Rosenthal and WJ Carey, pp. 133-141 Nova Science Publishers, Inc.
- 21- Abdelmeguid NE, **Fakhoury R**, Kamal SM, and Al Wafai RJ. Effects of Nigella sativa and thymoquinone on biochemical and subcellular changes in pancreatic β -cells of streptozotocin-induced diabetic rat. *Journal of Diabetes 2* (2010) 1–11
- 22- H. Nakkash Chmaisise, M. Jammal, H. Fakhoury, and **R. Fakhoury**. "Study on the Association between Angiotensin-1 Converting Enzyme I/D Dimorphism and Type-2 diabetes Mellitus". *Saudi. J. Kidney. Dis. Transpl.* 2009, 20(6):1038-1046.
- 23- M. Akra-Ismail, **R. Fakhoury**, H. Nakkash Chmaisise, A. Kazma, and N. Khoueiry Zgheib. "Association Between Angiotensin Converting Enzyme Insertion/Deletion Genetic Polymorphisms and Hypertension in a Sample of Lebanese People". *Genetic Testing and Molecular Biomarkers*, 2010, 14(6):1-6.
- 24- R. J. El Wafai, H. Nakkash Chmaisise, **Rajaa F. Makki**, and Hana Fakhoury. "Association of HLA Class II Alleles and CTLA-4 Polymorphism with Type 1 Diabetes". *Saudi. J. Kidney. Dis. Transpl.*, 2011, 22(2):273-281
- 25- H. Chmaisise, **R. Makki**, G. Nahhas, K. Knio, and N. Nuwayri-Salti." Detection of Leishmania parasites in blood of patients with isolated cutaneous Leishmaniasis". *International Journal of Infectious Disease*. 2011, 15(7): 491-494.
- 26- Nahas R, Nakkash Chamaisse H, Fakhoury H and **Makki R**. "Study of the association of - 403G/A and -28C/G RANTES gene polymorphisms and asthma in Lebanon". 2012. *Annals of Thoracic Medicine* 7(1): 16 - 20
- 27- S. Nouredine, H. Nakkash Chmaisise, H. Tamim, H. Fakhoury , and **R. F. Makki**. "Association of MMP3 -1171(5A>6A) Polymorphism with Lung Cancer in Lebanon". 2012. *Genetic testing and molecular biomarkers* 16(8): 982-990
- 28- Hana Fakhoury, Sara Nouredine, Hania N. Chmaisise, Hani Tamim, **Rajaa F. Makki**. "MMP1-1607 (1G>2G) polymorphism and the risk of lung cancer in Lebanon". 2012. *Annals of Thoracic Medicine*, 7(3): 130- 132

29- Julnar Usta, Yasmine Hachem, Omar Al-Rifai, Yolla Bou-Moughlabey, Karim Ectay, David Griffiths, Hania Nakkash-Chmaisse, **Rajaa Fakhoury Makki**. Fragrance chemicals lylal and lilial decrease viability of HatCat cells by increase free radical production and lowering intracellular ATP level: Protection by antioxidants. 2013. *Toxicology in vitro*, 27(1): 339-348.

30- Soudani NY, **Fakhoury RM**, Kaissi SS, Zgheib NK. The role of genetic polymorphisms in endothelial nitric oxide synthase and beta2-adrenergic receptors with risk of hypertension in a sample of Lebanese people. *Saudi Med J*. 2014 Mar;35(3):255-60.

Human Gene Bank: A new microsatellite in the muscarinic receptor gene, 1999.