

Summary Curriculum Vitae of Ashour Saleh Eljamil Ph.D.

Professor of Biochemistry, Medical Faculty, Tripoli University

Date of Birth: 1.1.1960

Place of Birth: Ben Ghasher, Tripoli, Libya

Nationality: Libyan

Marital Status: Married, four children 1981

College of Engineering Sciences & Technology, Libya, BSc 1983

National University of Ireland, UCD BSc Qual. Biochemistry 1988

National University of Ireland, UCD PhD Biochemistry

Membership of National Bodies:

- 1) The Biochemical Society, London, England, since 1984
- 2) Biochemical Society, Dublin Ireland, 1988
- 3) American Association for the Advancement of Science (AAAS)

Other Qualifications:

- 1) Training course in Laboratory Medicine, summer 1980, St. Vincent Hospital Dublin 4, Ireland
- 2) Training course in Chromatography, (1985). AIB Glassnevin, Dublin, Ireland
- 3) Molecular Biology Training Course, October 1998, Interlab, Cairo, Egypt
- 4) Good experience in Microsoft word, excel, power point started in 1980s.

Knowledge of languages:

1. Arabic and English (spoken and written)
2. French (High School level).

Professional Experience:

- 1) Demonstrator, (1984-1988), Department of Biochemistry, University College Dublin. (National University of Ireland), Belfield, Dublin 4, Ireland.
- 2) Research Associate. ?part time, (1985-1988), Prostaglandin Research Unit, Department of Biochemistry, U.C.D. (National University of Ireland), Belfield, Dublin 4, Ireland.
- 3) Lecturer in Biochemistry from 26.2.1989 to 26.2.1993, Department of Biochemistry, Medical Faculty, Tripoli University.
- 4) Assistant Professor of Biochemistry from 26.2.1993 to 26.2.1996, Department of Biochemistry, Medical Faculty, Tripoli University.

- 5) Associate Professor of Biochemistry from 26.2.1996 to 26.2.2000, Department of Biochemistry, Medical Faculty, Tripoli University.
- 6) Professor of Biochemistry since 26.2.2000 Department of Biochemistry, Medical Faculty, Tripoli University of Medical Sciences.
- 7) Head of Biochemistry Department, (2005-2007), Department of Biochemistry, Medical Faculty, Tripoli University.
- 8) Head of Laboratory Medicine Department, Salahudeen Teaching Hospital (16.11.1991-15.7.1993, Tripoli, Libya
- 9) Head of Biochemistry Unit, Laboratory Medicine, Salahudeen Teaching Hospital (16.11.1991-1.5.1993, Tripoli, Libya
- 10) Head of Laboratory Department, Tripoli, Medical Centre, 30.8.1996-30.8.1998, Tripoli, Libya
- 11) Head of Laboratory Department, Tripoli, Medical Centre, 6.1999-1.2.2001, Tripoli, Libya
- 12) Member of the Curriculum Committee at Medical Faculty, Tripoli University
- 13) Member of the staff selection committee at Medical Faculty, Tripoli University

Teaching Interests

Cell membrane biochemistry, pH & buffers, enzymes, clinical enzymology, coenzymes, fat soluble vitamins, amino acids chemistry and metabolism, inborn errors of metabolism, protein biochemistry, hemoglobin metabolism, porphyrins, lipid biochemistry and metabolism, lipoproteinemia, atherosclerosis, carbohydrate biochemistry and metabolism, diabetes mellitus, integration and regulation of metabolism, recombinant DNA, biochemistry of hormones, and a variety of laboratory techniques.

Other Academic Appointments

- 1) External examiner since 1990, Biochemistry Department, Faculty of Medicine, Benghazi, University, Benghazi, Libya
- 2) Master of Science degree examiner, Biochemistry Department, Faculty of Medicine, Benghazi, University, Benghazi, Libya
- 3) External examiner and lecturer since 2000, Biochemistry Department, Faculty of Medicine, University of Zawia, Libya
- 4) External examiner and lecturer for several years, Biochemistry Department, Faculty of Medicine, University of Misurata, Libya
- 5) External examiner and lecturer for several years, Biochemistry Department, Faculty of Medicine, University of Serte, Libya
- 6) Lecturer of Biochemistry, in the 1990s, Biochemistry Department, Dental Faculty, Tripoli University, Libya.

Consulting Experience

My extensive experience in the biochemistry diagnostic laboratory field has required me to use a wide variety of techniques and especially in dealing with unusual clinical cases. My approach to teaching the subject and this laboratory experience have been enjoyed by numerous students in various universities and also by my colleagues.

I have often provided advice on the choice of appropriate equipment, methods, reagents, sample collection, sample transport, etc. and on the evaluation of technical personnel for particular circumstances.

I have often directed and guided persons doing research and postgraduate students particularly concerning the experimental aspects of their work, and have often given my scientific opinion when it was asked for or necessary.

I have been frequently consulted by clinical and other colleagues on the correct test for diagnosis of rare clinical.

This has been a source of great satisfaction for me in my everyday work over many years.

Editorial Board Membership

Academia Journal of Medicinal Plants - Editorial Board Member

<https://www.academiapublishing.org/journals/ajmp/board.htm>

Seminars and Conferences Attended:

- 1) The Irish Medical Society meeting, (1986), Dublin, Ireland.
- 2) The Biochemical Society, b20 Meeting, Dublin (1986), paper presented as a seminar in the pre-doctoral meeting day, (effects of vitamin B6 derivatives on blood platelet aggregation).
- 3) The Biochemical Society, 624 Meeting, (1987), Dublin, Ireland.
- 4) The Wood View Meeting for Clinical, Chemistry, seminar was presented on inhibitors of platelet aggregation, (1987), Dublin, Ireland.
- 5) Session lecture, (Significant differences between LDL-cholesterol levels obtained by Friedewald formula and a direct method), at the 4th International Conference on Drug Discovery & Therapy, Feb. 2012 at Dubai Men's College, Dubai, UAE.
- 6) Session lecture, (CHOLESTEROL AND DIET), at the 5th International Conference on Drug Discovery & Therapy, Feb. 2012 at Dubai Men's College, Dubai, UAE.
- 7) Session lecture, (LIPID PATTERN IN SERUM OF PATIENTS WITH TYPE 2 DIABETES MELLITUS), at the 6th International Conference on Drug Discovery & Therapy, Feb. 2012 at Dubai Men's College, Dubai, UAE.
- 8) Session lecture, (Lipid pattern in serum of patients with type 2 diabetes mellitus), at the 2nd International Conference on Medicinal Chemistry & Computer Aided Drug Designing October 15-17, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA. Med chem 2013, 3:4 <http://dx.doi.org/10.4172/2161-0444.S1.007>

9) Plenary speaker, (Effects of Dietary Plant Polyunsaturated Fatty Acids), at The Maghrebian-Finnish Biotechnology Symposium (MFBS 2016). March 19-22, 2016 at Hammamet City, Tunisia.
<http://www.mfbs.info/>

Research Interest

I have dedicated myself to the lipid research field since 1984, when I joined the Prostaglandins Research Lab as a PhD student, at the Marvell house, Biochemistry Department, University College Dublin, Belfield, the place where the micro-diffusion method was invented by the great Irish scientist, Edward J Conway (1994-1968). There we examined the effects of dietary polyunsaturated fatty acids on platelet aggregation stimulated by adenosine triphosphate (ADP), collagen and thrombin with OR without aspirin or pyridoxal-5-phosphate (PLP) or both. We demonstrated reduced platelet aggregation isolated from animals fed PUFA and decreased thromboxane B₂ production. We have ALSO measured platelet aggregation by aggregometer, and the released platelet content, using different techniques, including: radioimmune assay for prostaglandin estimation, thin layer chromatography (TLC), for major lipid separation and high performance liquid chromatography for the separation of fatty acid content. We observed platelet organelles before and after aggregation by the electron microscope. The work has been presented in several seminars, and parts of it have been published in international journals and in the form of a PhD thesis. Early in 1989, I joined the team of Biochemistry department at the Medical Faculty, University of Tripoli in Libya, there with help of colleagues I started the lipid research laboratory, where complete serum lipid profile can be done, using gel electrophoresis and enzymatic methods. This work was extended in the laboratories of Salahudin teaching hospital and Tripoli Medical Center, with the cooperation of numerous clinicians. The fruit of our collaboration has been presented at international conferences and meetings and published in local and international journals.

Because of the great advantages of a collaborative, interdisciplinary approach to lipid research, and I look forward to continuing my work through a wider range of collaborations.

Type 2 diabetes mellitus is associated with increased risk for cardiovascular disease (CVD) and microvascular complications. Dyslipidemia is an

essential determinant of cardiovascular risk in this type of diabetes.

Dipeptidyl peptidase-4 inhibitors (DPP4i) are a class of newly developed antidiabetic drugs which preserve incretin hormones and promote postprandial insulin secretion. These inhibitors do not induce hypoglycemia or weight gain. Beyond their glucose-lowering effects, their vasodilatory and cardioprotective effects, have been suggested (Son JW, et al. 2015), to occur via glucagon-like peptide 1 (GLP-1)-dependent and GLP-1-independent pathways.

While the cardiovascular effect of DPP4 inhibition has been substantially studied, the exact role of DPP4 in human cardiovascular disease remains unclear.

I would like to direct my future research towards the lipid metabolic pathways of type 2 diabetes mellitus patients treated with DPP4 inhibitors.

Publications:

1) Eljamil,A.S, Fabelboun,I.,Tritschler,C. and Harrington,M.G., Inhibition of platelet aggregation (1986) J. Irish Med. Soc. Trinity Meeting, ?p61.

- 2) Harrington, M.G., Eljamil, A.S., and Salim, M. Effects of pyridoxine derivatives on ADP- induced aggregation of platelets in rat and rabbit (1987) Biochem. Soc. Trans. 15, 295-296.
- 3) Salim, M., Eljamil, A.S., and Harrington, M.G. Effects of dietary supplementation with pyridoxal 5-phosphate and polyunsaturated fatty acids on rat platelet aggregation (1988) Biochem Soc. Trans. 16, 385-386.
- 4) Nolan, M.L., Harrington, M.G., and Eljamil, A. Effect of Pyridoxal-5 phosphate on aggregation of platelets from stored human concentrates induced by arachidonic acid (1996) Biochem. Soc. Trans. Feb 24(1) 95S.
- 5) Khaled, M. Elnajeh, Salem Eljaafari, Nuria, M. Elnajeh & Ashour, S. Eljamil. Assessment of the efficiency of a special diet preparation in induced thiamin deficiency in rats (1998) Tanta Medical Journal 25, 1; 126-132.
- 6) Eljamil, A.S., Elfituri, E.M., Saffar, A.M., El-Saltani, H., Sada, K.O. and Nageh, K.M. Acid phosphatase (ACP) and prostate specific antigen (PSA) serum level in a group of Libyans (1998) Tanta Medical Journal 25, 1; 133-142.
- 7) Ashour, S., Eljamil, Khaled, M., Elnageh, Suad, S., Aboushwagh, and Ibrahim, M., Faheilboun. Serum total cholesterol, VLDL, LDL, and HDL cholesterol levels in a group of Libyans (1998) Tanta Medical Journal 26, 1; 27-35.
- 8) Ashur, S., Eljamil and Fauzi, Sagher. Local soft drinks-do they replace oral rehydration solutions (1999) Saudi Medical Journal 20 (1) 75-78.
- 9) Ashour Saleh Eljamil. 1998. Lowering of Cholesterol by Diet, Egyptian Journal of Biotechnology, 5: 78-88.
- 10) Ashour Saleh Eljamil. Cholesterol and Diet (2010). Jamahiriya Medical Journal, 10: 5-9.
- 11) Ashour S, Eljamil, Younes S, Elhenshiri, Ebtisam T, Etekbali and Giuma S. Gimil. Significant differences between LDL-cholesterol levels obtained by Friedewald formula and a direct method, (2012), Current Medicinal Chemistry. The Open Conference Proceedings Journal, Bentham Science Publisher, 3: 59-60.

Text Book

Lipid Biochemistry for Medical Sciences: by Ashour Saleh Eljamil; (Text book, 2015, Iuniverse, 1663 Liberty Drive, Bloomington, IN 47403 www.iuniverse.com , 1-800-Authors (1-800-288-4677).

Some links to my book Lipid Biochemistry for Medical Sciences:

1. <http://www.amazon.com/Lipid-Biochemistry-For-Medical-Sciences/dp/1491742232>
2. <http://bookstore.iuniverse.com/Products/SKU-000913836/Lipid-Biochemistry.aspx>
3. <http://www.ebookmall.com/ebook/lipid-biochemistry-for-medical-sciences/ashour-saleh-eljamil/9781491742235>

4.

<https://books.google.com.ly/books?id=OyrmBwAAQBAJ&pg=PP1&lpg=PP1&dq=lipid+biochemistry+For+medical+sciences+by+ashour+saleh+eljamil&source=bl&ots=kpqu4nb9WY&sig=xwe-EzQb2aNWiVBwhYwxPZ1gKm8&hl=ar&sa=X&ei=WbZfVc-VODbgaoXAgegK&ved=0CCUQ6AEwAQ#v=onepage&q=lipid%20biochemistry%20For%20medical%20sciences%20by%20ashour%20saleh%20eljamil&f=false>

5. <http://www.booksamillion.com/p/Lipid-Biochemistry/Ashour-Saleh-Eljamil/9781491742235>

6. <http://www.booktopia.com.au/lipid-biochemistry-ashour-saleh-eljamil/prod9781491742235.html>

7. <http://www.chapters.indigo.ca/en-ca/books/lipid-biochemistry-for-medical-sciences/9781491742235-item.html>

8. <http://www.ebay.com.au/itm/Lipid-Biochemistry-For-Medical-Sciences-by-Ashour-Saleh-Eljamil-9781491742235-/351375751677>

9. <http://www.bokus.com/bok/9781491742235/lipid-biochemistry-for-medical-sciences/>

10. <http://www.barnesandnoble.com/w/lipid-biochemistry-ashour-saleh-eljamil/1121672423?ean=9781491742235>

11. <http://www.uread.com/book/lipid-biochemistry-ashour-saleh-eljamil/9781491742235>

12. <http://www.alibris.com/search/books/author/Ashour-Saleh-Eljamil>

13. http://www.amazon.co.uk/Lipid-Biochemistry-Ashour-Saleh-Eljamil-ebook/dp/B00VSB8GZG/ref=sr_1_12/276-1232414-3394859?s=digital-text&ie=UTF8&qid=1430633876&sr=1-12

14. <http://www.livrariacultura.com.br/p/lipid-biochemistry-87703787>

15. <http://bookstore.iuniverse.com/Products/SKU-000913835/Lipid-Biochemistry.aspx>

16. <http://www.researchbooks.org/search?q=ashour+saleh+eljamil>

17. <https://www.scribd.com/ashour7saleh7eljamil>

18. <http://www.akademika.no/node/21673193>

19. <http://www.superbookshop.net/?page=book&ean=9781491742235>

20. <http://www.brightsurf.com/buy/books/1491742232/lipid-biochemistry-for-medical-sciences.html>

21. <http://www.holisticpage.com.au/lipid-biochemistry-for-medical-sciences-ashour-saleh-eljamil/9781491742235>

22. <http://www.amazon.co.jp/Lipid-Biochemistry-Medical-Sciences-English-ebook/dp/B00VSB8GZG%3FSubscriptionId%3D0MSPR08XAQP2YVXQ7R02%26tag%3Dstartthailand22%26linkCode%3Dsp1%26camp%3D2025%26creative%3D165953%26creativeASIN%3DB00VSB8GZG>

23. <http://www.lybrary.com/lipid-biochemistry-for-medical-sciences-p-693618.html>

24. http://www.medical-books.medindia.com/3-14116-B00VSB8GZG-Lipid_Biochemistry_For_Medical_Sciences
25. <http://www.barnesandnoble.com/w/lipid-biochemistry-ashour-saleh-eljamil/1121672423?ean=9781491742235>
26. <http://product.rakuten.co.jp/product/Lipid+BiochemistryFor+Medical+Sciences+Ashour+Saleh+Eljamil/b1d71842a375b30fefacb74efc4dbdf1/>
27. <http://www.holisticpage.com.au/allproductresults.php?searchtype=&searchfield=lipid+biochemistry+for+medical+sciences&x=7&y=12>
28. <http://www.knetbooks.com/lipid-biochemistry-medical-sciences/bk/9781491742235>
29. <http://www.wisepress.com/lipid-biochemistry/>
30. http://www.ceneo.pl/37417179#tab=click_scroll
31. <http://booksrock.com/book.php?ISBN=9781491742235>
32. <http://www.books-express.ro/book/9781491742235/Lipid-Biochemistry-For-Medical-Sciences,PSB.html>
33. <http://www.akademika.no/node/21673193>
34. <http://www.superbookshop.net/?page=search&searchCategory=author&searchPhrase=Eljamil%2C+Ashour+Saleh>
35. <http://www.books-express.ro/book/9781491742235/Lipid-Biochemistry-For-Medical-Sciences,PSB.html>
36. <http://www.ebookmall.com/author/ashour-saleh-eljamil>
37. <http://upceansearch.com/search.php?q=lipid+biochemistry+for+medical+sciences+by+ashour+saleh+eljamil>
38. <http://www.lafeltrinelli.it/ebook/ashour-saleh-eljamil/lipid-biochemistry/978149174222>

Comments About Lipid Biochemistry for Medical Sciences

M. Lenghi, M.Ch(Orth),FRCS(Eng.) ,former Minister of Health, Tripoli, Dean of the Faculty of Medicine of Tripoli University , and Dean of the Faculty of Medicine of Benghazi University wrote this to me about Lipid Biochemistry for Medical Sciences :

“Your book discussing lipid biochemistry is of great value for our students. They should transfer the important knowledge it contains in their treatment of Libyan citizens who suffer from hypertension, Diabetes, overweight and cardiovascular problems”.

He also suggested that a simplified version in Arabic would ? be of help.

2. This what the reviewer iuniverse wrote:

Ashour Saleh Eljamil, a native of Tripoli, Libya, earned a doctorate in biochemistry from University College Dublin. In 1989 he joined the biochemistry staff at the Faculty of Medicine, Tripoli University and has worked with the biochemistry units at the medical laboratories of Salahudeen Hospital and Tripoli Medical Centre.

Product Description

Lipid biochemistry can seem overwhelming, which is why it needs to be explained in a simple and straightforward manner.

Ashour Saleh Eljamil, a renowned professor of biochemistry, has written this textbook for undergraduate students in the medical sciences, but it's a resource that anyone can use to bolster their knowledge about this important subject.

To fully understand biochemistry, you need to know how biomolecules are structured, which is why the first chapter emphasizes the individual chemical structure of various lipid classes. You'll also learn how dietary lipids are digested and absorbed as well as how their metabolism works in separate chapters focusing on fatty acids synthesis, fatty acid oxidation, acylglycerols and sphingolipids, glycolipids, cholesterol, plasma lipoproteins, steroid hormones, and fat-soluble vitamins.

While scientists have studied lipid biochemistry for three centuries, it's only in the past few decades that we've begun to understand why it's so important. Gain a clearer understanding of the world with insights about bile acids, sterols, carotenoids, sex hormones, vitamin K and much, much more when you dive into the world of Lipid Biochemistry.

References:

1) Professor Murad Ali Lenghi (MB.BCh, (Cairo University), M.Ch,Orth (Liverpool), F.R.C.S (Eng.), Professor of Orthopedics, Tripoli Medical Center, Faculty of medicine, University of Benghazi (retired). Former minister of health, Libya

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2) Professor Frank Vella, (retired), Biochemistry Department, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

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3) Dr. Abdalla M Jarari (B Pharm, MPhil and PhD England, UK)

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