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Personal History:

Name: Omar Eltayeb Fadlelseed Mohamed

Religion: Islam

Nationality: Sudanese

Gender: Male

Date of birth: 1964

Marital status: Married with four kids.

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Education and qualification:

School Education:

- Elhilla Gadedda 1974 Elementary Certificate
- Elgouz 1977 Intermediate Certificate
- Elmogran 1981 Sudan Higher Secondary School Certificate

Higher Qualification:

- Bachelor of Veterinary Medicine and Surgery (BVMS) University of Mosul (1986).
- MSc. of Medical Biochemistry – Faculty of Medicine University of Khartoum (2002).
- PhD in Medical Biochemistry - College of Medicine University of Bahri (2014).

Grants and Prizes

- University prize for scoring 3rd rank of the college (1986).
- Ronald Ross Award-2014 in Biochemistry (The Journal of Physiology and Health –Photon)

Experience:**Teaching**

- Teaching all branches of Medical Biochemistry and molecular biology with clinical correlations, including; Biochemistry of cell, water, pH, buffers and acid – base balance, Bioenergetics, Chemistry and Metabolism of Macromolecules (carbohydrates, proteins, lipids, nucleotides and nucleic acids) , Integration of metabolism, Metabolism of Xenobiotics, Nutrition, Vitamins, Minerals, Tissues Biochemistry, Enzymology , Hormones, Immunochemistry and Human genetics and Molecular biology.
- Teaching Medical biochemistry to Medical, pharmacy, Dental medicine, and Medical laboratory, Nursing, Physiotherapy, Radiology, and health sciences students.

- Supervising the practical of biochemistry to Medical, pharmacy, Dental medicine, Medical laboratory, nursing school, and other health sciences students.
- Teaching Assistant 1999-2002 Department of Biochemistry – College of Medicine -University of Juba
- Part-timer teaching assistant Faculty of Medicine and Health Sciences- International university of Africa (2000-2002)
- Part-timer teaching assistant Faculty of Basic Medical Sciences- Omdurman Islamic University (2000-2002)
- Part-timer teaching assistant Faculty of Medicine- University of Kordofan (2001-2002)
- Part-timer teaching assistant. Dept. of biochemistry college of Medicine -National Ribat University (2001-2002)
- Part-timer teaching assistant Dept. of biochemistry College of Dentistry National Ribat University (2001-2002)
- Part-timer teaching assistant Dept of biochemistry college of Nursing - National Ribat University (2001-2002)
- Lecturer of biochemistry Faculty of Medicine -University of Juba (2002-2011)
- Part-timer Lecturer of biochemistry college of Medicine National Ribat University (2002-2007)
- Part-timer Lecturer of biochemistry College of Dentistry National Ribat University (2002-2007)
- Part-timer Lecturer of biochemistry college of Nursing National Ribat University (2002-2005)
- Part-timer Lecturer of biochemistry college of Medical laboratory -National Ribat University (2002-2005)
- Part-timer Lecturer of biochemistry college of Medicine - University of Kordofan (2002-2008)

- Part-timer Lecturer of biochemistry Faculty of Basic Medical Sciences -Omdurman Islamic University (2002-2005)
- Part-timer Lecturer of biochemistry Faculty of Medicine and Health Sciences International university of Africa (2002-2009)
- Part-timer Lecturer of biochemistry Faculty of Science Elnelein University (2003-2005)
- Part-timer Lecturer of biochemistry college Nursing- university of Khartoum (2004-2006)
- Part-timer Lecturer of biochemistry college of Medicine - University of Shendi (2005-2009)
- Part-timer Lecturer of biochemistry college of medicine-Academy of Medical and technological sciences (2006-2009)
- Part-timer Lecturer of biochemistry college of Medicine - University of West Kordofan (2007-2009)
- Part-timer Lecturer of biochemistry Nile College (2008-2009)
- External examiner college of Medicine -University of Kordofan (2002-2004)
- Co examiner Faculty of Medicine University of Khartoum (2002-2004)
- External examiner college of medicine-Academy of Medical and technological sciences (2003-2006)
- External examiner college of Medicine -University of Shendi (2005-2006)
- External examiner Faculty of Medicine -University of upper Nile (2006-2008)
- External examiner Faculty of Medicine -University of Kassala (2006-2008)
- External examiner Faculty of Medicine - Red Sea University (2008).

- Lecturer of biochemistry Faculty of Medicine -University of Bahri (2011-2014)
- Lecturer of biochemistry and class tutor (PBL) College of Medicine -University of Najran-Kingdom of Saudi Arabia (2010-2014)
- Assistant professor of Biochemistry College of Medicine - Najran University - Kingdom of Saudi Arabia (2015-2020)
- TBL class tutor (2010-2020)

Non-teaching Experiences:

- Alatheer Drugs (1986 – 1998)
- Head department of Biochemistry- College of medicine- University of Juba (2002-2009).
- Examination officer-College of Medicine- University of Juba (2002-2005).
- Academic coordinator for basic medical sciences- College of Medicine- University of Juba (2002-2005).
- Member of curriculum committee of Diploma for medical laboratory- University of Juba.
- Supervision of some small projects for medical students
- Member of curriculum committee (problem based learning) College of Medicine Najran University– Kingdom of Saudi Arabia (2009-2010).
- Member of curriculum committee -College of Medicine (Girls) - Najran University of – Kingdom Saudi Arabia (2009-2010).

- Member of curriculum revision committee (problem based learning) College of Medicine Najran University– Kingdom of Saudi Arabia (2013-2014).
- Coordinator department of Medical Laboratories-college of Applied Medical Sciences Najran University (2013-2014).
- Chairman of the laboratories, equipment and infrastructure committee-college of Medicine (2012-)
- Member of curriculum revision committee (Problem-Based Learning) College of Medicine Najran University– Kingdom of Saudi Arabia (2013-2014).
- Coordinator for the following courses (blocks), Endocrine and metabolism, Reproductive and Cardiovascular.
- Member of committee of the following courses Musculoskeletal, human growth and development and cardiovascular.
- Coordinator -department of Medical Laboratories-college of Applied Medical Sciences Najran University (2013-2014).
- Member of curriculum committee -College of Applied Medical Sciences- department of Emergency Medical Services - Najran University -Kingdom of Saudi Arabia (2017).
- Head department of Biochemistry- College of medicine- Najran University (2017-2020).
- Member examination committee- College of medicine- Najran University (2018-2020).
- Member of examinations revision committee College of medicine- Najran University (2018-2020).
- Member of standard 6 committee of NCAAA- College of medicine- Najran University (-2020)

Conferences and symposia

- Symposium on recombinant DNA technology - University of Khartoum (1999)
- Symposium on molecular biology of cancer (Radio and isotope center-Khartoum teaching hospital) (2000)
- Symposium on Malaria College of Medicine University of Khartoum (2001).

Research

- Humoral immune response against Rophtery Associated Protein 1 (RAP1) of *Plasmodium falciparum* in Malaria infected Sudanese patients.
- PCR based detection and genotyping of *Plasmodium falciparum* during pregnancy.

Undergoing Research

- Single nucleotide polymorphisms in the promoter regions of the interleukin-4 gene in Sudanese children with severe malaria.
- Single nucleotide polymorphisms in the promoter regions of the Macrophage inhibitory factor gene in Sudanese children with severe malaria.
- Single nucleotide polymorphisms in the promoter regions of the interleukin-13 gene in Sudanese children with severe malaria.
- Levels of leptin in type 1 diabetic Saudi patients.
- Circulatory level of IL-6 and INF- γ in Sudanese leprosy patients

Publications

1. Magdi M. M. Ali,† Gehad ElGhazali,† Scott M. Montgomery, Salah E. Farouk, Amre Nasr, Suzan I. A. Noori, Mahdi M. Shamad, **Omar E. Fadlelseed**, and Klavs Berzins. Fc_γRIIa (CD32) Polymorphism and Onchocercal Skin Disease: Implications for the Development of Severe Reactive Onchodermatitis . *Am. J. Trop. Med. Hyg.*, 77(6), 2007, pp. 1074–1078
2. Mohammed H FShalayel, Elhussein A B, **Fadlelseed O E**, Naeem A Elsheikh O M . Glutathione peroxidase (GPx) estimates in platelets of patients with malaria parasitaemia caused by Plasmodium Falciparum, Sky Journal of Biochemistry Research Vol. 3(4), pp. 037-041, June, 2014.
3. Shalayel M.H.F., Elhussein A.B., **Fadlelseed O.E.**, Abdelgadeir A.E.A., Naeem A., Elsheikh O.M., 2014. Platelets malondialdehyde levels in thrombocytopenic malaria patients caused by *Plasmodium falciparum*. The Journal of Physiology and Health. Photon 110, 305-309.
4. Dalin A Hassan., Amar B. Elhussein., **Omar E. Fadlelseed.**, Walid G. Babikr and Omer F. Idris. Lipid Profile and Glycated Hemoglobin (HbA1c) in Diabetic Sudanese Patients. International Journal of Science and Research (IJSR). Volume 4 Issue 2, February 2015 1813-1816

5. A. B. Elhussein ., M. A. Huneif., A.Naeem., **O. E. Fadlelseed.**, W. G. Babiker., N. E. A. A.Rahma., S. A. M. AhmedI., A. M. Ayed., M. H. F. Shalayel. "Correlation of interleukin-4 levels with Plasmodium falciparum malaria parasitaemia in Sudanese children." *Acta Clinica Belgica* 2015; 70(6), 414-418.DOI: 10.1179/2295333715Y.0000000042.
6. **Omar Fadlelseed.** Maha E. Osman. Nahla M. Shamseldin. Ishag Adam. Plasmodium falciparum genotypes in matched peripheral, placental and umbilical cord blood in an area characterised by unstable malaria transmission in eastern Sudan.
Heliyon 3 (2017) e00326. doi: 10.1016/j.heliyon.2017. e00326
7. Hyder M. Mahgoub , **Omar E. Fadlelseed** , Ammar H. Khamis , Jalal A. Bilal , Ishag Adam. Nutritional and micronutrient status of adolescent schoolgirls in eastern Sudan: A cross-sectional study [version 1; referees: 1 approved with reservations.*F1000Research* 2017, 6:1831 (doi: 10.12688/f1000research.12721.1).
8. Huneif MA, Homada EEH, **Fadlelseed OE**, Hamid HGM, Shalayel MHF. Type 1 diabetes mellitus (T1DM) in toddlers and schoolchildren in Najran region, Southwestern Saudi Arabia– Correlation with osteocalcin and vitamin D. *AMJ* 2017;10(12):981–988
9. Mohammed Ayed Huneif, Amar B Elhussein, **Omar E Fadlelseed**, Walid G Babikr, Njood M Alwadei and Elhashimi Eltayb Hassan Study of Circulating Adiponectin Level in Children with Type 1 Diabetes Mellitus in Najran-KSA. *Curre Res Diabetes & Obes J.* 2018; 9(1): 555755. DOI: 10.19080/CRDOJ.2018.09.55575

10. **FADLELSEED, OMAR E.**; ADAM, ISHAG; RAYIS, DURIA A.; GASIM, GASIM I. Serum Ferritin, Iron Deficiency Anaemia and Haemoglobin A1c in Non-diabetic Pregnant Women. *Journal of Clinical & Diagnostic Research*. Jul 2019, Vol. 13 Issue 7, p6-8. 3p.
11. Amar B Elhussein, Kawthar Abd Eljalil Mohamed Salih, Walid G. Babikr, **Omar E Fadlelseed**, Soad M Alfadol5 Ashraf Nacem, NourElhouda A A Rahma and Mohammed H F Shalayel. 2019. "Role of serum circulatory IgE and TNF- α level and Interleukin 4 - 590C/T Polymorphism in Sudanese children with Severe Falciparum Malaria", *International Journal of Current Research*, 11, (11), xxxx-xxx.
12. Amar B Elhussein, Walid G Babikr, Mariam I AlSayed, **Omar E Fadlelseed**. The association between vitamin D levels and glycemic control in type 2 diabetic patients in Najran Area, Saudi Arabia. *Zagazig University Medical Journal*, 2021; (132-139): -. doi: 10.21608/zumj.2020.26422.1782

\Workshops & training courses

- Workshop on Evidence Based Medicine University of Khartoum (2005).
- Training course on Computer Assisted Student Assessment versity of Juba (2005).
- Training course on Computer Assisted Student Assessment Medical informatics center (2006).
- Training course on scientific writing. University of Juba (2007).
- Workshop on problem based Learning, College of Medicine- University of Najran – Kingdom of Saudi Arabia (2009).

- Training course on the role of tutor in problem based Learning, College of Medicine-University of Najran – Kingdom of Saudi Arabia (2010).
- Training course on Electronic Learning Management System (LMS) JUSUR - National Center for E-learning and distance Learning Riyadh- Kingdom of Saudi Arabia (2010).
- Training program on Designing Effective Presentation in e-learning by Using Power Point- National Center for E-learning and distance Learning Riyadh- Kingdom of Saudi Arabia (2011).
- Training program on Effective Presentation Deanship for Development and Quality Najran University Kingdom of Saudi Arabia (2011).
- Training program on Program Report according to National Center for Academic Accreditation and Assessment (KSA) NCAAA criteria –Deanship for Development and Quality Najran University Kingdom of Saudi Arabia (2011).
- Workshop on Team Based Learning TBL (2019)
- Training course on black board E. learning program (2020)

Association & organizations

- Member of Sudanese Veterinary Association.
- Member of Sudanese Association for Biochemistry and Molecular Biology.

Referees:

Prof. Salah Ahmed Moh. Ahmed Alfaki (MBBS, PhD).

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Prof. Mustafa Idress Albasheir (MBBS, MD, PhD).

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