



CURRICULUM VITAE

EBAA MOHAMMAD ALZAYADNEH



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Amman, Jordan

SKILLS

- Academic Teaching
- Clinical Research
- Experimental Research
- Data Analysis
- Scientific Writing
- Molecular Biology
- Biochemical Research

LANGUAGES

- Arabic
- English

PROFESSIONAL EXPERIENCE

Assistant Professor, Physiology and Biochemistry Department | School of Medicine| The University of Jordan

WORK EXPERIENCE

The University of Jordan, School of Medicine, Assistant Professor of Physiology

Oct 2014 - Present

- Teaching Medical and Dental Students, Introductory Course of Physiology, First year students
- Teaching Medical Students, Urogenital and Reproductive System Physiology, 3rd year students
- Teaching Dental Students, 2nd year students
Cell Physiology, Digestive System, Cardiovascular System, Renal System, Body Fluids Physiology
- Teaching Nursing Students, Pharmacy Students and Physical Rehabilitation Students: Digestive System, Endocrine System, Nervous System, Reproductive System, Urinary System, Cardiovascular system
- Master of Maxillofacial Surgery, Advanced Pathophysiology: Endocrine System and Renal System
- Teaching students of Prince Alhussain Academy for Civil Defense Physiology- 2019
- Teaching 4th year Medical Students of Yemen's University of Science and Technology: Blood System, Renal System, Reproductive System 2016-2017

The University of Jordan, School of Medicine, Teaching and Research Assistant

Sept 2007- August 2009

- "Cell and Tissue Culture in Medical Applications Training Course".
- "Polymerase Chain Reaction and Medical Applications Training Course".
- Conducted clinical research on Alzheimer's disease
- Teaching assistance of Physiology laboratories

General Dental Practitioner

January 2006- August 2007

- Islamic Charity Health Center -Jeeza-Amman, 2007
- Jabal Alzaytoun Hospital Dental Clinic-Azzarqa, 2006

CONFERENCES

- Pan Arab Physicians / Arab/Jordanian Women Physicians Conference 2022 As a speaker
- Problem Based Learning Workshop. School of Medicine, the University of Jordan, Amman, Jordan 2017
- Academic and educational Counseling Workshops 2016
- 3rd Arab Simulation Conference in Medical Education, University of Jordan, Amman, Jordan 2016
- Blue Printing In Medical Education Workshop, 3rd Arab Simulation Conference in Medical Education, 2016 The University of Jordan, Amman, Jordan
- High Blood Pressure Research Council, San Francisco, CA, US. 2014
- High Blood Pressure Research Council, Washington DC, US. 2012
- High Blood Pressure Research Council, Washington DC, US. 2010
- Medical Education in the Third Millenium. The University of Jordan, Amman, Jordan. 2009

WORKSHOPS AND TRAINING

- Cancer Genetics and Signal Transduction Workshop, COMSTECH, The University of Jordan, School of science/Chemistry Department, on 15th-16th March 2023
- Blended Learning/ School of Medicine- 21/2/2023
- Strategies for Motivating Students & Gaining their Attention/ Face-to-face teaching skills and trends 2022-11-24
- The International Centre for Genetic Engineering and Biotechnology
- Objective Analysis of Exams Results/ School of Medicine- 1/3/2022
- Microsoft Teams Part 2 advanced Workshop School of Medicine/ 12/1/2022
- Mendeley for references management for scientific research/ School of Medicine 18/4/2021
- Conducting online exams in Moodle with observation using LM system. 8/11/2020
- Blended Learning Work Shop- 2019-10-30 The University of Jordan
- ERASMUS/Early Career Research, Subjects based-research, 2019-03-14
- Statistical Analysis and Data Processing Using SPSS Program First Semester 2019-2020 2020-01-15 // 2020-01-16
- School of Medicine/Innovation and entrepreneurship skills- ON LINE- Mendeley Reference Manager/2022-05-11
- Blended Learning/Technological skills2023-02-21
- Blended Learning 31/12/2019
- Utilization of power point presentaion in medical education- 11/11/2019
- The International Centre for Genetic Engineering and Biotechnology ICGEB workshop-The University of Jordan-27th October 2019
- MCQs exams preparation- 12-13/3/2019
- Scientific research skills /Methodology-28/11/2019
- Electronic Learning in The University of Jordan/ King Abdullah The Second IT School, 6 /12/2018
- Electronic Learning by Moodle -11/1/2018
- Problem Based Learning Workshop. School of Medicine, the University of Jordan, Amman, Jordan 2017
- Academic and Educational Counseling Workshops 2/April/ 2016

CURRICULUM VITAE

EBAA MOHAMMAD ALZAYADNEH EDUCATION

PhD in Physiology

August 2009- August 2014

- Ph.D awarded, 2014

Dissertation titled "A role for Angiotensin-(1-7) to Attenuate Advanced Glycation End Product-Induced

Myofibroblast Transition in The NRK-52E Renal Proximal Tubules Cell Line"

- Graduate Student- Ph.D. Candidate 2009-2014

Integrative Physiology and Pharmacology,
Department of Physiology and Pharmacology
Prof. Mark C Chappell, Advisor.

Wake Forest University, Winston Salem, NC

BDS, Dental and Oral Surgery

Sept 2000- May 2005

- B.D.S in Dentistry 2000-2005

The University of Jordan, Amman, Jordan

AWARDS

- Kidney Council New Investigator Travel Award/ American Heart Association 2014
- The University of Jordan PhD scholarship 2009 - 2014
- Wake Forest University Travel Award 2009 - 2010

MEMBERSHIPS AND COMMITTEES

- American Heart Association, Council for High Blood Pressure Research, Member 2010
- Association of Arab Academic Women
- School of Medicine/The University of Jordan/ Committee of Students Graduation Research Projects Evaluation 2020/2021-now
- School of Medicine/The University of Jordan/Committee of Evaluating Students Excuses for Absence in Exams 2022/2023
- School of Medicine/The University of Jordan/ Committee of Higher Education 2022/2023
- School of Medicine/The University of Jordan/Committee of Modules Organization/Genitourinary System 2022/2023
- School of Medicine/The University of Jordan/ Committee of Library and Learning resources 2021/2022
- School of Medicine/The University of Jordan/ Committee of Graduate Students 2020/2021
- School of Medicine/The University of Jordan/ Committee of Translation of Local Accreditation Self Study 2020/2021
- School of Medicine/The University of Jordan/ Committee of Hardwares and Laboratories 2019/2020
- School of Medicine/The University of Jordan/ Committee of Graduate Students 2018/2019
- School of Medicine/The University of Jordan/ Committee of evaluating use of the Anatomy.tv data base in teaching Physiology and Anatomy. 24/10/2018
- School of Medicine/The University of Jordan/Committee of Scientific Research 2016/2017
- School of Medicine/The University of Jordan/Liaison Officer of Quality Assurance and Communication
- School of Medicine/The University of Jordan/ Committee of Library and learning resources 2015/2016

GRANTS AND FUNDED RESEARCH

- A Grant from The University of Jordan Deanship of Scientific Research for a research Project Titled "Effect of Advanced Glycation End Products on Arginase in Vascular Endothelial Cells" 2016
12,000 JD The University of Jordan, Amman, Jordan
- A Grant from The University of Jordan Deanship of Scientific research for a research Project Titled: "Association of Polymorphisms of the receptor for advanced Glycation-End Products Gene (AGER) with asthma in Jordanian children", 2020
10,000 JD
- Collaboration with Dr. Enas Alzayadneh in a Grant from Deanship of Scientific research for a project titled: Association of endogenous secretory receptor for advanced glycation end - products (esRAGE), soluble RAGE (sRAGE) and their ligands with Fraction of exhaled nitric oxide in Jordanian Asthmatic Children 2020/ 10,000 JD.

CURRICULUM VITAE

EBAA MOHAMMAD ALZAYADNEH

PUBLICATIONS

- Thimet Oligopeptidase Forms Angiotensin-(1-7) in the Nucleus of NRK-52E. Ebba M Alzayadneh, Nancy T Pirro, Mark C Chappell. *Cells* [abstract]. FASEB J April 9, 2013 27:lb857
- Nuclear Renin-Angiotensin System in Renal Proximal Tubule Cells [abstract]. Ebba M Alzayadneh, Bridget K Brosnihan, Debra I Diz. *Hypertension* 2012;60:A238
- Enhanced intracellular expression of nox4 and angiotensin II within the kidney of the diabetic female mRen2.Lewis rat [abstract]. Ebba M Alzayadneh, Hany El-Bassosy, Mark C Chappell. *Hypertension*. 2011; 58(5):e154
- Streptozotocin-induced diabetes is associated with upregulation of intracellular angiotensin II AT1 receptors in the rat kidney [abstract]. Ebba M Alzayadneh, Shea Gilliam, Mark C Chappell. *Hypertension*. 2010; 56(5):e133

REFERENCES

- Yanal Shafagoj, MD, PhD, Professor, Head of Physiology and Biochemistry Department, The University of Jordan. fmmmed@ju.edu.jo
- Faisal Ismail Mohammed, Professor, MD, PhD, Professor, Physiology and Biochemistry department, The University of Jordan. yanals@ju.edu.jo
- Mark Chappell, PhD, Professor, Hypertension and Vascular Research Center, Wake Forest University. mchappel@wakehealth.edu
- Debra Diz, PhD, Professor, Wake Forest University, Director of Hypertension and Vascular Research Center. ddiz@wakehealth.edu
- Mohamed Al-Khatatbeh MD, PhD, Associate Professor, Physiology and Biochemistry department, The University of Jordan.
- Enas Al-Zayadneh,MD, Associate Professor, The University of Jordan, School of Medicine. e.alzayadneh@ju.edu.jo

PUBLICATIONS

- Assessment of Fraction of Exhaled Nitric Oxide and Soluble Receptor for Advanced Glycation End Products Biomarkers for Jordanian Asthmatic Children. Ebba M Alzayadneh, Suzan A Albdour, Eman R Elayeh, Mai M Ababneh, Ruqya A Al-ani Alia M Shatanawi, Montaha Al-iude, Enas Al-Zayadneh
- Methylglyoxal-Modified Albumin Effects on Endothelial Arginase Enzyme and Vascular Function. EM Alzayadneh, A Shatanawi, RW Caldwell, RB Caldwell *Cells* 12 (5), 795,2023
- Assessment of Proteolysis by Pyrylium and Other Fluorogenic Reagents MK Al-Essa, E Alzayadneh, K Al-Hadidi. *Protein and Peptide Letters* 28 (7), 809 2021
- COVID-19-associated mental health impact on menstruation physiology: A survey study among medical students in Jordan. I Aolymat, M Al-Tamimi, H Almomani, DW Abu-Hassan, EM Alzayadneh, *Women's Health* 19,17455057221150099, 2020
- Vitamin D deficiency in children with bronchial asthma in southern Jordan: a cross-sectional study. E Al-Zayadneh, NA Alnawaiseh, S Ajarmeh, AH Altarawneh, *Journal of International Medical Research* 48 (12), 0300060520974242, 2020
- Sensitization to inhaled allergens in asthmatic children in southern Jordan: a cross-sectional study. EM Al-Zayadneh, NA Alnawaiseh, AH Altarawneh, IH Aldmour. *Multidisciplinary Respiratory Medicine* 14 (1), 1-8, 2019
- Angiotensin-(1-7) and the Regulation of Anti-Fibrotic Signaling Pathways. Chappell MC, Al Zayadneh EM. *Journal of cell signaling*. 2017;2(1):134. Review. PMID:PMC5501273
- Angiotensin-(1-7) abolishes AGE-induced cellular hypertrophy and myofibroblast transformation via inhibition of ERK1/2. Ebba M Alzayadneh and Mark C Chappell. *Cell Signal*. Sep 2014. PMID: 25246357.
- Nuclear expression of Components of Renin Angiotensin System in The NRK52E Cells. Ebba M Alzayadneh and Mark C Chappell. *J Renin Angiotensin Aldosterone Syst*. Jun 2014. PMID: 24961503.
- The ins and outs of angiotensin processing within the kidney. Bryan A Wilson, Allyson C Marshall, Ebba M Alzayadneh, Chappell MC. *Am J Physiol Regul Integr Comp Physiol*. Sep 2014;307(5):R487-9. Review. PMID: 24944244.
- Update on the angiotensin converting enzyme 2-angiotensin (1-7)-mas receptor axis: Fetal programming, sex differences, and intracellular pathways. Mark C Chappell, Allyson C Marshall, Ebba M Alzayadneh, Hossam A Shaltout, Debra I Diz. *Front Endocrinol (Lausanne)*. Jan 2014;4:1-13. Review. PMID: 24409169.
- Relation between copper, lipid profile, and cognition in elderly Jordanians. Eman Al-khateeb, Ebba M Al-zayadneh, Osama Al-dalahmah, Zainab Alawadi, Faisal khatib, Randa Naffa, Yanal A Shafagoj. *J Alzheimers Dis*. 2014;41(1):203-11. PMID:24583404
- Novel roles of nuclear angiotensin receptors and signaling mechanisms. Tanya M Gwathmey, Ebba M Alzayadneh, Karl D Pendergras, Mark C Chappell. *Am J Physiol Regul Integr Comp Physiol*. Mar 2012;302(5):R518-30.302:R518-R530, Review. PMID:22170620