

CURRICULUM VITAE

AHMED ABDEL KARIM ABU SINIYEH

PhD in PATHOLOGY

Personal Information:

Nationality	Jordanian
Place of Birth	Kuwait
Date of Birth	1/2/1969

Mailing Address: University of Jordan
Faculty of Science
Department of Clinical Laboratory Sciences
Amman
Jordan

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- Licensed by the Jordanian Ministry of Health as a Medical Laboratory Specialist.
- Well-developed oral and written communication skills from extensive research and academic activities.
- Broad research, clinical and academic experience in Pathology, Histology, Pathophysiology, Molecular Biology, Anatomy, and Quality Assurance & Lab management.
- Research interests: Cytopathology, Lipid rafts, Cell polarity, ROS, Digital Pathology, Molecular Pathology and Research ethics.
- Computer literate with a keen interest in Image Analysis and Python.
- [Google Scholar link](#)
- [ResearchGate link](#)

ACADEMIC QUALIFICATIONS

(Aug 2010 – Aug 2014)

Ph.D. Pathology

Centre for Vascular Research, Australian Centre for Nano-Medicine - School of Medical Sciences - Faculty of Medicine - University of New South Wales - Sydney - Australia

(Sept 2006 – Feb 2009)

M.Sc Medical Laboratory Sciences (Diagnostic Molecular Biology & Human genetics)

Department of Medical Laboratory Sciences - Faculty of Applied Medical Sciences - Jordan University of Science & Technology – Irbid - Jordan

(Sept 2002 – Feb 2006)

B.Sc Medical Technology

Department of Medical Analysis – Faculty of Allied Medical Sciences - Zarqa Private University- Zarqa - Jordan

(Sept, 1987 – June, 1989)

Medical Laboratories Diploma

Amman Training College (UNRWA) - Amman- Jordan.

EMPLOYMENT HISTORY

- (Sept 2021 – till present)** **Assistant Prof. (Pathology)**
University of Jordan - Faculty of Science - Department of Clinical Laboratory Sciences - Amman - Jordan
- (Oct 2020 – Sep 2021)** **Assistant Prof. (Pathology)**
American University of Madaba - Faculty of Health Sciences - Department of Medical Laboratories – Madaba - Jordan
- (Sept 2018 – Aug 2020)** **Assistant Prof. (Pathology)**
Taif University - College of Applied Medical Sciences - Clinical Laboratory Sciences Department - Taif - Saudi Arabia
- (Sept 2017 – Aug 2018)** **Assistant Prof. (Pathology)**
Al-Balqa' Applied University - Faculty of Science - Department of Medical Lab Sciences – As Salt - Jordan
- (Sep 2015 – Sep 2017)** **Head/Department of Medical Laboratory Sciences**
Al-Balqa' Applied University - Faculty of Science - Department of Medical Lab Sciences - As-Salt – Jordan
- (Feb 2015 – Sept 2015)** **Assistant Prof. (Pathology)**
Al-Balqa' Applied University - Faculty of Science - Department of Medical Lab Sciences – As Salt - Jordan
- (Sept 2009 – July 2010)** **Lecturer (Basic Science)**
King Saud Bin Abdulaziz University for Health Sciences - College of Applied Medical sciences - Medical Lab Sciences Dept – Riyadh -Saudi Arabia
- (July 1996 – Aug 2009)** **Biology (Microbiology) Lab Technician**
Yarmouk University – Faculty of science - Dept of Biological science - Irbid –Jordan
- (Sept 1993 – July 1996)** **Medical Lab Technician**
Consulting Medical Labs – Irbid - Jordan
- (March 1991 – May 1992)** **Medical Lab Technician**
Military Hospital (Jordan Armed Forces) – Medical Labs – Irbid – Jordan
- (March, 1990 – Sept, 1990)** **Medical lab Technician**
Al-Amiri Hospital – Medical Labs - Kuwait – Kuwait

PUBLICATIONS:

1. Dylan M Owen, Carles Rentero, Astrid Magenau, **Ahmed Abu-Siniyeh** & Katharina Gaus. Quantitative imaging of membrane lipid order in cells and organisms. *Nature Protocols* 2012; 7,24–35.
2. Joanna M Kwiatek, Dylan M Owen, **Ahmed Abu-Siniyeh**, Ping Yan, Leslie M Loew & Katharina Gaus. Characterization of a new series of fluorescent probes for imaging membrane order. *PLoS ONE* 2013; 8(2):e52960.
3. **Abu-Siniyeh A**, Owen DM, Benzing C, Rinkwitz S, Becker TS, Majumdar A, Gaus K. The aPKC/Par3/Par6 polarity complex and membrane order are functionally interdependent in epithelia during vertebrate organogenesis *Traffic* 2016;17(1):66-79
4. **Abu-Siniyeh A**, Khabour OF, Owais AI. The role of *PAX9* promoter gene polymorphisms in causing hypodontia: a study in the Jordanian population. *The Application of Clinical Genetics* 2018; 2018(11): 145-149.
5. Khabour OF, **Abu-Siniyeh A**. Challenges that face the establishment of a Diabetes Biobank in Jordan: A qualitative analysis of an online discussion forum. *Journal of Multidisciplinary Healthcare* 2019;12, 229—234
6. Altaany Z, Alkaraki M, **Abu-siniyeh A**, Al Momani W, Taani O. Evaluation of antioxidant status and oxidative stress markers in thermal sulfurous springs residents. *Heliyon* 2019; 5 (02885).
7. Al-Zyoud W, Hajjo R, **Abu-Siniyeh A**, Hajjaj S. Salivary Microbiome and Cigarette Smoking: A First of Its Kind Investigation in Jordan. *International Journal of Environmental Research and Public Health* 2019;17 (1).
8. Khabour OF, Abu-Eitah RN, Alzoubi KH, **Abu-Siniyeh A**, and Thomas Eissenberg. The effect of genetic variations in the choline acetyltransferase gene (ChAT) on waterpipe tobacco smoking dependence. *Tobacco Induced Diseases* 2020; 18 (27).
9. **A Abu-Siniyeh**, Walid Al-Zyoud. Highlights on selected microscopy techniques to study zebrafish developmental biology. *Laboratory Animal Research* 2020; 36 (12).
10. Munir Garba, Omar F. Khabour, Karem H. Alzoubi, **Ahmed Abu-Siniyeh**, and Firas Al-Qarqaz. The Association between Adiponectin Single Nucleotide Polymorphisms and Side Effects of Isotretinoin in Acne Patients. *Dermatology Research and Practice* 2020.
11. M Shakhathreh, O Khabour, K Alzoubi, M BaniHani, **A Abu-Siniyeh**, N Bashir, and S Sabi. The Influence of IL-1B Gene Polymorphisms on H. pylori Infection and Triple Treatment Response Among Jordanian Population. *The Application of Clinical Genetics* 2020, 139-145
12. **Ahmed Abu-Siniyeh**, and Saad S. Al-Shehri. Safety in Medical Laboratories: Perception and Practice of University Students and Laboratory Workers. *Applied Biosafety* 2020.

13. Thaka'a K. Al-Omoush , Karem H. Alzoubi , Omar F. Khabour , Fawzi M. Alsheyab , **Ahmed Abu-siniyeh** , Nour A. Al-Sawalha , Fadia A. Mayyas , Caroline O. Cobb & Thomas Eissenberg. The *CHRNA5* polymorphism (rs16969968) and its association with waterpipe smoking addiction among Jordanians. *Arab Journal of Basic and Applied Sciences* 2020, 27 (1) 450–455.
14. Anticancer and antimutagenic activity of *Silybum marianum* L. and *Eucalyptus camaldulensis* Dehnh. against skin cancer induced by DMBA: In vitro and in vivo models. KH Alzoubi, OF Khabour, AS Alkofahi, NM Mhaidat, **AA Abu-Siniyeh**. *Pakistan Journal of Pharmaceutical Sciences* 34 (3)

POSTER PRESENTATION

Abu siniyeh. A, Owen. D, Majumdar. A, Gaus. K.” Membrane order and distribution of polarity proteins are interconnected in polarized epithelial cells in the developing zebrafish larvae “. 15th Annual Australia and New Zealand Zebrafish Conference. Feb 1st to 4th, 2014. Sydney-Australia.

REVIEWING SERVICES

Reviewing for peer-reviewed Journals

- 1- Journal of King Saud University - Science
- 2- African Health Sciences Journal

LICENSES & COURSES:

- 1- “**Animal Care and Ethics Course**” conducted on 29-30th Nov 2010, University of New South Wales – Sydney – Australia
- 2- **Medical Laboratory Specialist License** – License No. 70001/458 - Ministry of Health – Jordan - 2015
- 3- **CITI program course** - (Collaborative Institution Training Initiative) - USA - 12 Aug 2017
- 4- **Fellowship in Responsible Conduct of Research** – University of California San Diego & Jordan University of Science & Technology – 2018-2019
- 5- **Open-Source tools for Data Science** – IBM – Coursera – 2019
- 6- **Python for Data Science and AI** – IBM – Coursera – 2019
- 7- **Data Analysis with Python** – IBM – Coursera – 2019

AWARDS:

- 1- **University International Postgraduate Award (UIPA)**, Ph.D. scholarship, University of New South Wales, Australia, 2010.
- 2- **Supervision Award** -First place in the second conference of the graduate projects in the Clinical Laboratories Sciences Department – Taif University – Taif, KSA, 2019.

COMMITTEES & MEMBERSHIPS:

- 1- Member of **International Medical Informatics Association IMIA** since 2007.
- 2- Member of **“The Australia New Zealand Society for Cell and Developmental Biology” ANZSCDB** – Australia 2011.
- 3- Member of **“Australian Institute of Medical Scientists,”** Australia, 2013.
- 4- Member of **“Medical Technology and Laboratory Society of Jordan MTLs”** – Jordan – since 2016.
- 5- Corresponding member of **Clinical Laboratory Management (C-CLM) committee – International Federation of Clinical Chemistry and Laboratory Medicine IFCC** – Italy since 2017
- 6- Founder member – **eHealth Development Association (eHDA)** – Jordan – since 2018.
- 7- **Head of Laboratories Committee** – Taif University – College of Applied Medical Sciences – Saudi Arabia – 2018

WORKSHOPS & CONFERENCES:

- 1- **“How to conduct Professional Teaching”** workshop organized by College of Medicine at King Saud Bin Abdulaziz University for Health Sciences-Riyadh- Saudi Arabia- 21-22, Oct 2009.
- 2- E-learning workshop- National Center for E-Learning and Distance Learning- Riyadh- Saudi Arabia- 5-7, March 2010.
- 3- The ANZAC Research Institute’s 9th symposium **“Emerging models of human disease”** – The University of Sydney – Sydney – Australia – 27th Aug 2010.
- 4- The Biomedical Imaging Symposium 2010 **“From seeing to believing: Quantitative Microscopy.”** University of New South Wales – Sydney – Australia – 24th Sept 2010.
- 5- **The 3rd Advanced Bio-imaging Workshop.** University of Western Sydney – Sydney – Australia – 16-19th Nov 2010.
- 6- **15th Annual Australia and New Zealand Zebrafish Conference.** Feb 1st to 4th, 2014. Sydney-Australia.
- 7- **The 5th International Conference on Research Ethics in the MENA** Nov, 06-07/2020 By the Responsible Conduct of Research Program/Jordan University of Science and Technology-Jordan

TEACHING EXPERTISE

Courses repeatedly taught (2015-present)

- Histology
- Molecular Biology
- Human Genetics
- Pathology
- Clinical Pathology
- Pathophysiology
- Quality Assurance & Lab Management
- Human Anatomy
- Principles of Anatomy & Histology
- Medical instrumentation
- Laboratory Skills

TECHNICAL COMPETENCE & SKILLS

Technical competence in:

- Immunofluorescence
- Immunohistochemistry
- Eliza
- Microtechnique
- Molecular biology techniques (RFLP, RT-PCR, Gel electrophoresis, Western blotting, DNA transformation)
- Flow Cytometry
- HPLC
- DNA and morpholino microinjection
- Microscopy techniques (Confocal and Two-photon microscopy).
- Analyzing images using **ImageJ** software
- Working with **zebrafish** as an animal model