Curriculum Vitae for Dr. Adhari ALZaabi

Assistant Professor – Human and clinical Anatomy

College of Medicine and Health Science – Sultan Qaboos University

I. Personal Information:

Full Name	Adhari Abdullah ALZaabi
Employment ID	8465
Marital Status	Married with 4 children
Current Positions	Assistant Professor of Cancer Molecular Biology at the department of Human and Clinical Anatomy Course Coordinator BIOL2101
Major	Cancer Molecular Biology
Specialization	Proteogenomics/ biomarkers for early cancer detection and prevention
Email	adhari@squ.edu.om
Postal Address	P.O. Box 35, PC 123 Al-Khoudh, Muscat, Oman

II. Education and Employment Information

A. Qualifications

Qualification	Year	Major	Institution/Country	Thesis/Project Title
PhD	2016	Cancer molecular biology	Brigham Young University, Utah, USA	Identification and Characterization of Serum Biomarkers Associated with Breast Cancer Progression
MD	2007	Medical Doctor (cGPA: 3.55)	Sultan Qaboos University (SQU), Oman	Not applicable
BSc	2004	BasicHealth Science	Sultan Qaboos University (SQU), Oman	Not applicable

B. Academic Positions

Job Title	Period	SQU Unit
Clinical instructor (Senior house officer)	2008 – 2011	Pathology Department, College of Medicine and Health Science
Assistant Professor / Specialist A	2016 - Present	Human and Clinical Anatomy Department, College of Medicine and Health Science

A. Research interest

- **Cancer multi-omics-based biomarkers (PhD based interest)**
- **Cancer prevention and control**
- **Artificial Intelligence application in Healthcare**
    - **Medical Education**

1 Scholarship

Scientific publications:

S.N.	Paper Listed According To Year of Publication

P1	*Adhari AlZaabi, Amna AlHarrasi, Atika AlMusalami, Nawal AlMahyijari, Khalid Al Hinai, Humaid ALAdawi, Humaid O. Al-Shamsi, "Early onset colorectal cancer: Challenges across the cancer care continuum", Annals of Medicine and Surgery, 2022, 104453, ISSN 2049-0801, https://doi.org/10.1016/j.amsu.2022.104453.*
P2	*AlZaabi, A., Colorectal Cancer in the Arab World. Cancer in the Arab World, 2022, p.363.*
P3	*Al-Amrani, S., Al-Jabri, Z., Al-Zaabi, A., Alshekaili, J. and Al-Khabori, M., 2021. Proteomics: Concepts and applications in human medicine. World Journal of Biological Chemistry, 12(5), p.57.*
P4	*AlZaabi, A., AlAmri, H., ALAjmi, G., Allawati, M., Muhanna, F., Alabri, R., AlBusaidi, F., AlGhafri, S., Al-Mirza, A.A. and Al Baimani, K., 2021. Endometrial Surveillance in Tamoxifen and Letrozole Treated Breast Cancer Patients. Cureus, 13(11)*
P5	*Humaid O. Al-Shamsi, Adhari Abdullah Alzaabi, Amr Hassan, Ibrahim Abu-Gheida, Sadir Alrawi (2020) Early Onset Colorectal Cancer in the United Arab Emirates, Where do we Stand?. Acta Scientific Cancer Biology 4: 24-27.*
P6	*Al-Shamsi, H.O., Alzaabi, A.A., Afrit, M., Abu-Gheida, I. and Musallam, K.M., 2021. Clinicopathological Features of Gastric Cancer in a Cohort of Gulf Council Countries' Patients: A Cross-Sectional Study of 96 Cases. Journal of Oncology Research Review & Reports. SRC/JONRR-133, p.3.*
P7	*Alzaabi, A.A., 2016. Identification and Characterization of Serum Biomarkers Associated with Breast Cancer Progression. Brigham Young University.*

2.1.2 Submitted and under review manuscripts:

SN	Project	Role	Year started	Status
A	Modification and implementation of NCCN guidelines on Colorectal cancer in MENA region	Construct the survivorship section	2022	Submitted to NCCN
	Perspectives on implementing a national colorectal cancer screening program in Oman ; a cross sectional study of early barriers and facilitators	Investigator	2020	Submitted to Cancer Epidemiology Journal (under review)
B	Evaluation of the challenges and mental health of medical students at sultan qaboos university during the emergency remote learning	Primary Investigator	2020	Submitted to online learning journal (under review)
C	How we delivered online Team Based learning during the COVID-10 pandemic.	Primary Investigator	2020	Submitted to Journal of Information Technology Education: Innovations in Practice (under review)
D	Physician and medical students perception and confidence in the use of artificial intelligence in healthcare.	Primary Investigator	2019	Submitted to JMIR
E	Perception and attitude of medical and nursing students toward inter-professional education	Investigator	2018	Submitted to Journal of Interprofessional Education (under review)
F				

2.2. Demonstrates quality scholarly achievements

2.2.1. In progress projects with national and international collaboration

SN	Project title	Role	Starting year	Current stage	Research Team (national/ international)
A	Patients'/ Nurses Barriers toward appropriate Cancer pain management.	Principle Investigator	2021	Manuscript write up	Oman (SQUH+ Royal Hospital)
B	Medical education during COVID-19 in medical universities in Arab, Multi-centers study	Investigator	2021	data collection	From all Arab countries
C	Quantitative evaluation of cancer stigma among cancer patients and non- patient population in oman	Principle Investigator	2020	Data collection	KSA, USA, Oman (SQU)
D	Artiticial intellgence in metastatic liver tumor Segmentation, Systematic review	Principle Investigator	2020	Manuscript write up	Oman (SQU) + Italy
E	Baseline knowledge of cancer, cancer related factors and communication channels among omanis – hints survey	Principle Investigator	2019	Manuscript write up	Oman (SQU)
F	Evaluation of the prediction power of radiomic features from ct scans combined with clinicopathological data for treatment response in metastatic colorectal cancer	Principle Investigator	2019	Data collection	Oman (SQU)
G	Perception and experience around medical travel: a qualitative study on Oncology patients from Dubai. UAE	Investigator	2020	Data collection	UAE + Oman

H	Proteomics as minimal residual disease assessment in patients with acute myeloid leukemia	Investigator	2019	Manuscript write up	Oman (SQU+ University of Nizwa) +India
I	Natural language processing in breast cancer clinical data extraction	Principle Investigator	2019	Data collection	Oman (SQU)
J	Attitude and perception of cancer patients along with their families and healthcare providers towards breaking bad news at SQUH	Principle Investigator	2019	Manuscript write up	Oman (SQU)
K	The Role of the Aryl Hydrocarbon Receptor in DNA Methylation of the Immune Checkpoint Genes of Colon Cancer Stem Cells: In Vitro and Clinical Studies on Omani and Qatari Patients	Co-investigator	2021	Approval for grant	Oman+ Qatar
L	Differential serum peptidomics reveals multi-marker models that correlate with breast cancer progression	Primary investigator	2018- 2021	Ready for submission	Oman +USA

Awards

IBRO seed grand award, 2020
First Omani to receive this Seed grant award from IBRO ,

Nominated as the first Omani and Arab Woman for the Award Committee in HUPO 2020

- Awarded The Research Council Block Fund, 2020 cycle, Sultan Qaboos University, Oman (20,000 OMR)

- Awarded SQU Deanship of research fund program, 2019 cycle, Sultan Qaboos University, Oman (3,000 OMR)

- Awarded Summer National cancer Institute Fellowship, National cancer institute, 2018, USA

- Awarded Women's Research Initiative Grants, 2012, Brigham Young University, USA

- National conference travel grant, 2012, 2013, Brigham Young University, USA

- SQUH PhD Full Scholarship, □ 2011, Oman

- SQU Medical student full internship program, 2004, 2005
- SQU distinction student training award to Egypt , 2005, Oman

- Deans Distinction Honor list for the years 2002, 2003, 2004, Oman

Membership of professional societies

S.N.	Event	Year	Role
A	Human Proteome organization (HUPO)	2020- present	Active member
B	Human Proteome organization (HUPO)	2020- present	Member of central region award committee
C	American Association of Cancer Research (AACR)	2013-present	Active member
D	Oman cancer Association	2018-2019	Active member
E	ESMO	2019- present	Active member

2.3.2 Oral and poster presentations at scientific/professional events

S.N.	Title	Conference Title	Date and place
	Molecular signature and MMR status of Early and Late Onset Colorectal Cancer among Arabs **(Conference poster)**	ESMO congress in colorectal cancer 2022	2022, Spain
1	Challenges and opportunities of clinical cancer research in Arab countries **(Invited Expert penalist)**	Advanced Regional Clinical Cancer Research Summit	United Arab Emirates 2020
2	Deffrential serum peptidomics reveals multimarker models that correlate with breast cancer progression Conference poster **(Conference poster)**	2020 MEACR 10th meeting	Qatar 2020
3	Evaluation of the prediction power of radiomic features from CT scans combined with clinicopathological data for treatment response in metastatic colorectal cancer, **(Conference presentation)**	International symposium of telemedicine and artificial intelligence in medicine	SQU, OMAN 2020
4	Differential serum peptidomics reveals multi-marker models that correlate with breast cancer progression	AACR Special Conference on Tumor Heterogeneity: From Single Cells to Clinical Impact	Virtual, USA

	(Conference poster)		
5	Medical education in the 21st century. How are we doing? **(Conference presentation)**	Sixth annual symposium on teaching and learning.	University of Calgary, Qatar 2019
6	Identification and characterization of serum proteomic markers associated with Breast Cancer progression. **(Conference poster)**	Americal Association of Cancer Research (AACR) annual meeting	San Diego, USA 2014
7	Departmental journal club **Presenter**	Department of Human and Clinical Anatomy	Muscat 2019
8	Shotgun proteomics of serum markers associated with Breast Cancer progression. **(Conference poster)**	AACR invasion and metastasis conference	San Diego, USA 2013
9	5-Year Survival of Hodgkins Lymphoma in Oman: Single Institution Experience. **(Conference presentation)**	University medical treat	SQU, OMAN 2010
10	Management and Prognosis of Hodgkin's Lymphoma in oman **(Conference presentation)**	The 4th scientific conference for the GCC medical students, squ, oman	SQU, Oman, 2006

Invited Talks

S.N.	Talk Title	Event	Date & Place	Comments
	Medical education in the 21st century. What kind of doctors our system is preparing?	Invited speaker	Sixth annual symposium on teaching and learning.	University of calgary, Qatar , 2019 Link to evidence
1	Artificial Intelligence in Medical education and technology prospective	Invited speaker	NGAX symposium	SQU, 2020 Oman
2	The status of cancer research in Oman and the region	Invited for an interview in Oman national radio	28 Oct, 2020	It was a one-hour interview about the status of cancer research in Oman and the MENA region. I discussed the major challenges and potential solutions and ideas Link to evidence: https://soundcloud.com/oman_radio/panorama28102020
3	Artificial intelligence in covid research	College forum	24 Feb,2021	I gave a one hour talk about the application of artificial intelligence in medicine and how it positively impacted the covid-19 research and the vaccine delivery. The talk was perceived very well with an active Q/A session.
4	Undergraduate Research Proposal session	MedSCO	21 April, 2021	The presentation was perceived very well and the students reflected on that through emails and texting. It helped them to re-construct their research proposals and to understand the basics of a good scientific research writing.

Professional Events Attended

S.N.	Event	Date and Place
A	4th combined gulf cancer conference	28-29 November 2020
B	CETL conference "Reimagine Teaching to Maximize Student Learning".	13-17 February 2020
C	Symposium ISTAIM2020	17th- 18th February 2020
D	Technology Transfer Training Program	25th & 26th November, 2018
E	Annual Breast Cancer Awareness Campaign	Oct 18th, 2020, 2019
F	Leadership in Action in cancer research workshop (by nomination)	1st-3rd April 2019
G	WHO Global Meeting to Accelerate Progress on SDG target 3.4 on NCDs and Mental Health	9-12 Dec 2019
H	NCD Strategic research program meeting	November 2020

Scholarly Consultancy

S.N.	Requested body	Period	Comments
A	Army project	2020	I provided consultancy on a graduate level project for Mr. Abdullah ALMuqbali in his project about (Modern diet effect on the health of individuals at the Royal Omani Army). I evaluated his survey and provide consultancy on how to validate the survey.
B	SQUMJ	2019-present	I have been invited as a reviewer for SQUMJ and I have reviewed couple of manuscripts so far since 2020.
C	Cureus	2021-present	I have been invited as a reviewer for cureus journal
D	Malaysia	2021	A PhD student (Mr Sulayim AL-Rumaidhi) from University Technology of Malaysia contacted me to evaluate his research project which is about the challenges of application of AI in medical practice in Oman. I have interviewed him several times through the phone and he is in process of writing the proposal.

Professional Teaching and Learning Events Attended

SN	Workshop, conferences and courses attended	Year
1	Health profession education	2017
2	The scholarship of teaching and learning: evidence-based practice	2018
3	Highlighting change: teaching and learning at SQU	2018
4	Academic Advising Workshop	2018
5	Research based teaching	2018
6	Team based learning in medical education	2018
7	Team based learning in medical education	2018
8	Critical thinking in teaching	2019
9	Sixth annual symposium on teaching and learning	2019
10	Developing Assessment rubric	2020
11	Re-Thinking Student Assessment in Online Learning	2020
12	A model for faculty fellow in teaching and learning	2020
13	World Innovation Summit for health	2020

14	Principles from cognitive science for teaching online	2021
15	Re-imagine Teaching to Maximize Student Learning (**conference)**	2020

Organization of Workshops and Events at SQU and outside

S.N.	Event	Year	Role
A	Reimagine Teaching to Maximize Student Learning	2020	Organizer and attender
B	"Big Data and Artificial Intelligence in Medicine" full day workshop for physicians and technicians at SQU	2020	Workshop design and delivery
C	What kind of medical doctors our system is producing? An event at Calgary university, Qatar	2019	Invited speaker
D	How to write a research proposal workshop for undergraduate students	2020	Invited Speaker
E	International symposium of telemedicine and artificial intelligence in medicine	2020	Organizer, panelist and speaker