

## **Curriculum Vitae (CV)**

**Name: Dr. Aesha Mousa Bou Falga Bojazyah**

### **Personal data:**

- **Date of birth:** 31st of May 1982
- **Place of birth:** Derna-Libya
- **Nationality:** Libyan
- **Marital status:** Single
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### **Education & Qualifications**

- **PhD degree in Surgical Oncology at the Medical School- University of Sheffield (2015-2018).**
- **MRCS, Royal College Of Surgeons, University of Edinburgh (2014)**
- **MSc degree in Molecular Medicine (translational research/Oncology) at the Medical School- University of Sheffield (2010-2011).**
- **Certificate of passing the first part of surgical specialty (Libyan board of medical specialties) (2009)**
- **Bachelor of Medicine, Bachelor of Surgery (M.B.B.S), Faculty of Medicine, Omar Al-Mukhtar University, Derna-Libya (2008).**
- **Certificate of completion of the Internship year from 2007/2008 according to the regulation of the faculty of Medicine, Omar Al-Mukhtar University.**

### **Postgraduate academic learning Experience:**

- The master's project was about Functional Characterization of the role of WFDC2/HE4 Gene in Cancer. Which based on studying the effect of the pre-mentioned gene on the developmental and proliferative capabilities of cancer cells using a variety of tumour cell lines which include (OSCC, Ovarian, lung, salivary glands, kidney, prostate, breast and transitional cell carcinomas).
- In addition to this project, I have also studied 11 more modules which are:
  - The principles of Biomedical research
  - From genome to Gene Function.
  - Molecular Genetics of Human Diseases.
  - Genome and Sequence analysis.
  - Modulating Immunity.
  - Molecular and Cellular basis of Diseases.
  - Model Systems in Clinical Research.
  - Novel Therapies.
  - Practical Laboratory Skills.
  - Writing a critical Review.
  - Statistical analysis.
- My PhD work involved studying the potential of metformin as an anti-cancer treatment in a model of breast cancer disease using an array of normal, pre-malignant, pre-invasive and breast cancer cells, in addition to clinical tissue specimens that was obtained after ethical approval. With several molecular techniques were employed, most importantly the Genomics and Proteomic analysis of metformin treated breast cancer cell lines.
- Last but not least, I have a Certificate of English language exam at ELT Centre (University of Sheffield English Proficiency Test (USEPT) (*Estimated IELTS Equivalent of (8)*)).

## **Languages**

- 1. Arabic- mother tongue**
- 2. British English**
- 3. Working on mastering the French and Italian languages**

## **Work Experience:**

- 1. After being graduated, I have worked as a surgeon for two years in the general surgery department at Al-Wahda Hospital/ Derna-Libya.**
- 2. Three years of working experience as an assistant lecturer in Medical Pathology at the Faculty of medicine, Omar Almukhtar University,**
- 3. Worked as the head of the academic department of Pathology (2011 to 2014).**
- 4. Worked as the head of the Scientific Affairs office (2011 to 2014).**
- 5. Assistant lecturer at the Genetic Engineering Department at the Higher Center of Medical Technology, Derna-Libya. (2011 to 2015), teaching the principle of genetics and bioinformatics and supervised the graduation projects of the undergraduate students.**
- 6. During my PhD study at The University of Sheffield I did a 3 years clinical attachment (Observership) with Prof. Ahmad Almukhtar (Consultant hepatobiliary surgeon), Prof. Sirwan Hadad (Consultant breast oncoplastic surgeon), Prof. Saba Balasubramanian (Consultant endocrine surgeon) and Prof. Andy Hopper (Consultant gastroenterologist) at Sheffield Teaching Hospitals (Royal Hallamshire and Northern General Hospitals).**
- 7. Currently working as an assistant professor at the Department of Surgery at the Faculty Of Medicine, Derna, October 2018 to present.**
- 8. Worked as a Dean of the faculty Of Medicine, July 2019 to August 2021**
- 9. Working as a specialist of oncoplastic breast surgery at Alwahda Teaching Hospital, October 2019 to present.**

### **Laboratory Skills and expertise during MSc/PhD studies:**

- A considerable knowledge about Bioinformatics and genomic research.
- Cell lines growth, routine culturing and splitting.
- Protein, RNA and DNA isolation.
- PCR, both quantitative and reverse transcription PCR.
- Western Blotting.
- Functional assays (proliferation, migration, invasion).
- Immunohistochemical staining.
- Both stable and transient transfection.
- Cell cycle analysis and flow cytometry.
- Proteomics and Mass Spectrometry studies.

### **Teaching Interests**

My teaching interests include undergraduate teaching in General Surgery and surgical oncology including breast cancer, in addition to undergraduate teaching in Pathology, Cancer Genetics, Bioinformatics, Research methodology and critical appraisal, Translational and Molecular medicine as well as Molecular Biology.

- Supervising both undergraduate and master projects students.

### **International Conferences attended**

1. Poster Presentation at Sheffield Cancer Research Day, March 2015, Sheffield, United Kingdom
2. Presented a talk at the 9<sup>th</sup> Annual Royal Marsden Breast Cancer Meeting, 2016, London, United Kingdom
3. The NCRI Cancer Conference, 2016, Liverpool, United Kingdom
4. Poster presentation at the 8<sup>th</sup> Annual Mellanby Research Centre, December 2016, Sheffield, United Kingdom
5. BACR Development Of Cancer Medicines event at the Royal Society Of Medicines, 2017, London, United Kingdom
6. Presented a 1 hour talk at the Sheffield Cancer Research Internal Seminar, 4<sup>th</sup> of October 2017

7. Presented a poster (Characterization of membrane transporters involved in metformin pharmacokinetics in breast cancer) at ESMO conference, 2017, Madrid, Spain.
8. Presented a poster at the first joint EACR-MRS conference, seed and soil conference, Berlin-Germany 2017 (Metformin as a potential anti-metastasis treatment for breast cancer)
9. Presented a poster at the EACR conference on colorectal cancers, 2017, Paris, France
10. First UK Interdisciplinary Breast Cancer Symposium, Manchester, United Kingdom, 2017
11. Poster Presentation at Sheffield Cancer Research Day, December, 2017, Sheffield, United Kingdom
12. Snap presentation at the 9<sup>th</sup> Annual Mellanby Research Centre, December 2017, Sheffield, United Kingdom

### **Professional Development**

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|---|-----------|
| • I have been involved in teaching 4 master's students how to set some laboratory experiments | 2015-2018 |
| • GraphPad Prism course, University of Sheffield  | 2015      |
| • Mendeley and Endnote referencing system, University of Leeds                                | 2015      |
| • Research ethics and integrity course  | 2015      |
| • Academic Career Planning course   | 2015      |
| • Presentation skills workshop and lectures   | 2015      |
| • Teaching small and large groups course  | 2015      |
| • Making the most of your Supervision course  | 2015      |
| • Proper time management course   | 2015      |
| • Proteomics and metabolomics Course, University of Bradford                                  | 2016      |
| • SPSS course, University of Nottingham   | 2016      |
| • UK higher education learning and teaching recognition scheme course                         | 2017      |

- Viva Survivors course 2017
- Thesis planning Course 2017
- Thesis Writing principles and practice course 2017
- Critical Evaluation of research paper course 2017
- Public Speaking course 2017

### **Affiliations/Membership**

- Membership of the Royal College Of Surgeons Of Edinburgh
- Membership of the European Society Of Medical Oncology
- Membership of Royal Marsden Society Of Physicians
- Membership of European Association Of Cancer Research
- Membership of Sheffield Cancer Research Society
- Membership of Tumour Microcirculation Research Society (TMG)
- Membership of Tumour Angiogenesis Targeting Research Society

### **Publications**

1. Characterization of Breast Cancer Response to Metformin, Annals Of Oncology, 2017, 28 (Supp\_5): v74-V108. 10.1093
2. Metformin as a potential anti-metastasis treatment in breast cancer, 1<sup>st</sup> joint EACR-MRS Conference, Seed and Soil In Vivo Model of Metastasis
3. Metformin in breast cancer settings, Is there a hope?, Sheffield Cancer Research Day, Online Book, March 2015
4. The potential of Metformin as anti-breast cancer treatment, Sheffield Cancer Research Day, Online Book, March 2011
5. HDAC inhibitors (Vorinostat) as a potential therapy for metastatic breast cancer. Alq J Med App Sci. 2021;4(1):13-18. <https://doi.org/10.0000/ajmas.2020.002>
6. Results of a Prospective Multicenter Study Evaluating the Incidence of Postoperative Hypocalcaemia following Total Thyroidectomy. TUJMS, 2021; 3(1):107-119.
7. Identification Of Preoperative Profile For Patients With Brain Tumors And The Role Of Nursing Care In The Neurosurgery Unit At

- Alexandria University Hospital. TUJMS, 2021; 3(1):117-129.
8. Comparative proteomic analysis of differentially expressed proteins in metastatic breast cancer cell lines in response to oral hypoglycemic treatment. Lib J Sur Soc. 2021;1(1):2-9.
  9. Evaluation of Modified Vacuum Dressing in Treatment of Refractory Diabetic Foot Ulcers. IOSR-JNHS. 2021; 10(6):41-45.
  10. Congenital ingrowing toenail: series of 5 cases. TUJMS, 2022; 4(1):97-99.
  11. Antimicrobial Resistance of Nosocomial Bacteria Isolated from Two Intensive Care Units. IJIAS, a manuscript in progress.

## **References**

- Dr. Lynne Bingle, teaching staff member at the Dentistry school, University of Sheffield.
- Dr. Colin Bingle, teaching staff member at the Dentistry school, University of Sheffield.
- Dr. Carolyn Staton, Course lead for the MSc(Res) in Translational Oncology, Department of Oncology & Metabolism, University of Sheffield Medical School.
- Prof. Nicola Brown, Head of the Microcirculation research group, Department of Oncology & Metabolism, University of Sheffield Medical School.
- Prof. Janet Brown, Consultant Medical Oncologist, at Sheffield Teaching Hospitals NHS Foundation Trust.
- Prof. Sarah Danson, A reader, Consultant Medical Oncologist at the Children's Hospital, NHS Foundation Trust
- Dr. Sirwan Hadad, Consultant Oncoplastic Breast Surgeon at Sheffield Teaching Hospitals NHS Foundation Trust (Royal Hallamshire Hospital)
- Dr. Ahmad Almukhtar, Consultant Hepatobiliary Surgeon at Sheffield Teaching Hospitals NHS Foundation Trust (Northern General Hospital).