CURRICULUM VITAE

of

Prof. Abdulla Masood Bashein* MSc Biochemistry PhD Molecular Biology



*	Date of Birth:	18.08.1963	Place of Birth:	Yefren-Libya	
	Nationality:	Libyan	Sex:	Male	
	Marital Status:	Married			
	Address:	Faculty of Medicine- Tripoli University (Tripoli- Libya)			
	Mobile Phone:	+218-92-525 1160			
	E.mail:	abashein_95@yahoo.com, a.bashein@uot.edu.ly			
	Religion :	Islam			

Employment

<u>1- Teaching</u>

April 2015- Present

Professor at the Department of Biochemistry, Faculty of Medicine- Tripoli University (Tripoli-Libya).

April 2009- April 2015

Associate Professor at the Department of Biochemistry, Faculty of Medicine- Tripoli University (Tripoli- Libya).

Nov 2007- April 2009

Assistant Professor at the Department of Biochemistry, Faculty of Medicine- Tripoli University (Tripoli- Libya).

Nov 2004- Nov 2007

Assistant Professor at department of Public health, Faculty of Medical Technology- Tripoli University (Tripoli- Libya).

Sep 2004- Feb 2010

Lectured at the Academy of Postgraduate studies –(Tripoli- Libya). Taught Molecular Biology and Genetic Engineering courses.

Oct 2002- Sep 2004

Lectured at the Higher Institute of Medical Technology (Misurata- Libya), Taught Molecular Biology and Molecular Diagnosis for 4th year medical lab sciences students, and taught Molecular Biology and Molecular Diagnosis for the postgraduate students.

Nov 2000- May 2002

Research Associate (Post-Doctorate) School of Biological Sciences- University of Manchester. Oct 92- Mar 93

Tripoli University of Medical Sciences- the Faculty of Medical Technology as a teaching assistant.

2- Postgraduate students Supervision

April 20- Jul 22 Supervised an MSc project titled: The Occurrence and Molecular Identification of Nontuberculous *Mycobacterium* in Suspected Patients with Pulmonary Tuberculosis from Tripoli, Libya: A preliminary Study

April 17- Jul 18 Supervised an MSc project titled: **Prevalence of HPV types 16 and 18 among Libyan women in Tripoli Libya**

Jan 12- Jan 14 Supervised an MSc project titled **Frequency and spectrum of** hemochromatosis mutations in Libya

Dec 11- Dec 13 Supervised an MSc project titled **Studying the association of MTHFR** gene mutations with homocysteine levels in Libyan patients

May 10 May 12 Supervised an MSc project titled **Studying the association of VNTR with PAH gene mutations in Libyan patients**

May 10- Dec 14 Supervised an MSc project titled **Studying PAH gene mutations in Libyan** families with PKU children

Jan 12-Jul 12 Supervised an MSc project titled **Examination of epidermal growth factor** receptor amplification in Glioblasomas patients

May 07- Feb 09 Supervised an MSc project titled **Polymorphism of the thiopurine S-methyltransferase gene in Libyans**

Feb 07- Feb 09Supervised an MSc project titled Molecular screening for the commonmutationsinPhenylalanineHydroxylase(PAH)inLibyanssufferingfrom

phenylketonuria.

Feb 07- 2008 Supervised an MSc project titled **Genotyping of** *Helicobacter pylori* using vacA gene and it's relation to antibiotic resistance in Libyan patients

Jan 07- Feb 09 Supervised an MSc project titled **Molecular Screening for the** *SORBS1* gene T228 A polymorphism in gestational diabetic and / or type 2 diabetic and polycystic ovary and obese patients in Libyans.

Feb 03- Dec 04 Supervised an MSc project titled (**Prevalence of anemia and its types during pregnancy in Tripoli region**).

3- Research

April 2016

Identified for the first time the mutation causing alpha thalassemia in a Libyan patient **Dec 2014**

Identified mutations causing beta thalassemia in Libyan patients

Nov 2003- Oct 2004

Research scientist at the Biotechnology Research Centre (Tripoli-Libya).

Nov 2000- May 2002

Research Associate (Post-Doctorate) School of Biological Sciences- University of Manchester. During Post-Doctorate studies, worked on a project included the establishment of **microarry** facilities to be used for studying gene function (functional genomics).

3- Other Employments

2005- Now

Head of molecular diagnosis laboratory, Reference Laboratory, NCDC

Jun 89- Oct 92

Tripoli Reference Medical Laboratory as a Laboratory Technologist. The main area was Clinical Biochemistry mainly Hormones measurement using Radioimmunoassay (RIA), Enzyme Immunoassay (EIA), Haematology, and Serology.

Jan 86- Jun89

Yefren Central Hospital Laboratory -director of the Laboratory.

Oct 84- Jun 89

Yefren Central Hospital Laboratory as a Laboratory Technologist.

The departments worked in were (Clinical Biochemistry, Haematology, Serology, Parasitology, Blood Banking, and Medical Microbiology).

4- Administrative jobs

Mar 2023- Now	Director of the faculty affairs office at faculty of Medicine
Oct 22- Now	Chairman of the Standing Committee on Bioethics and Biosafety at the
	National Center for Disease Control
Jan 18 – Mar 21	Chairman of the faculty affairs committee – University of Tripoli
Jul 04 - Now	Supervisor of the molecular diagnostics laboratory (NCDC)
Feb 12 - Nov 12	Chief Executive Officer (CEO) of the National Consultancy Group (NCG)
Aug 11- May 12	Member of the steering committee of the faculty of Medicine (University of Tripoli
Jan 12- Sep 12	Member of the steering committee of the National center for disease control.
Jan 08- Dec 10	Head of the department of Biochemistry at the faculty of medicine (Tripoli)
Nov 06- Nov 07	Head of the department of public health at the faculty of medical technology (Tripoli)

Nov 03- Oct 04

Head of Genetic Engineering Department, in Biotechnology Research Cenetr

Education

Jan 97-Dec 2000

PhD (Molecular Biology). Supervisor Dr. Gerard Brady.

Physiology, Pharmacology and Toxicology (PPT) Division, School of Biological Sciences, University of Manchester (Manchester-UK).

The title of my project was Isolation and characterisation of genes which are potential regulators of hematopoiesis.

My project involved cloning, sequencing and characterization of genes that are specifically expressed in early stages of normal hematopoiesis.

As a result of that, I cloned and sequenced three murine genes which are deposited in the genebank under accession numbers: AJ308966.1, AJ308965.1, AJ308964.1

Sep 93-Jun 96

MSc. (Biochemistry). Supervisor Dr. Jacqueline. Weiss.

Department of Rheumatology, Faculty of Medicine, University of Manchester (Manchester-UK). Title of my thesis was **Vitreous-derived inhibitor of angiogenesis.**

Apr 93-Sep 93

English Language course at International Language Centre (Hastings- UK).

1981-1984

Faculty of Medical Technology (Brack-Libya) BSc Hons, <u>Medical Laboratory Sciences</u>, with a final grade: Excellent (86.82%). The major subjects studied were Haematology & Blood banking, Biochemistry, Microbiology, Clinical Chemistry, Instrumentation/ Analytical Chemistry.

Conferences, Meetings and Workshops

27-28 APRIL 2024

THE THIRD LIBYAN CONFERENCE OF LABORATORY MEDICINE. SEBHA 07-12 MAY 2023

ESTABLISHING CAPACITY FOR PATHOGEN GENOMICS. ADDIS ABABA-

ETHIOPIA

13-17 NOV 2022

Regional Training For National Influenza Laboratories On Influenza And SARS-Cov-2 Genetic Sequencing To Support The End-To-End Integration Of Sars-Cov-2 And Influenza Sentinel Surveillance- Muscat, Oman

17-29 July 2022

Next Generation Sequencing Training For Detection Of Sars-Cov-2 Virus At The African Centre Of Excellence For Genomics Of Infectious Disease (Acegid), Redeemer's University, Ede, Osun State, Nigeria).

05-05 Dec 2021

Sub-regional training on sars-cov sequencing and molecular phylogenetic for national influenza centres (nics) of eastern mediterranean region SHEIKH KHALIFA MEDICAL CITY (SKMC) IN ABU DHABI

18-21 Feb 2018

Biorisk Management (Kuala Lumpur-Malaysia). 21-23 Sep 2017

Strengthening health information system and medicines supply chain management (Tunis-Tunisia).

13-16 Nov 2016

Training on Laboratory quality management system (Tunis-Tunisia).

22-26 Jun 2014

IFCC worldlab Istanbul (Turkey)

17-19 May 2012

Eighth international symposium on molecular diagnostics (Graz-Austria).

02-05 May 2012

Arab Medical Laboratory 2012 meeting (Marrakesh- Morocco)

05-06 May 2010

Infectious substances shipping training, organized by the WHO, Muscat- Oman (Certificate of transport of infectious substances).

03-04 May 2010

Laboratory biorisk management awareness training, organized by the WHO, Muscat-Oman 24-25 Apr 2010

The 4th annual PulseNet middle east strategic planning consultation, organized by the WHO, Muscat-Oman

15-18 May 2009

Second Infectious & Endemic Diseases Scientific Conference (IEDSC 2007) (Tripoli-Libya) 22-5 May 2008

Seventh international symposium on molecular diagnostics (Graz- Austria).

07-12 June 2007

Biostatistics Workshop (National Center for Infectious Diseases Control)

04-07 May 2007

Infectious & Endemic Diseases Scientific Conference (IEDSC 2007) (Tripoli-Libya)

13-24 Jan 2007

Computational Biology Workshop (Sultan Qaboos University, Muscat- Oman)

25-27 May 2006

Sixth international symposium on molecular diagnostics (Graz-Austria).

22-24 Mar 2006

Genomes and systems conference (Manchester- UK).

27-29 May 2005

28th Medic Africa Conference (Tripoli- Libya).

17-19 May 2005

3rd Medical Laboratories conference. For Development and Improvement of Blood Banks services. (Tripoli-Libya).

10-11 May 2005

Quality Conference 2005. For the enhancement of Quality Principles. (Tripoli-Libya).

12-14 Mar 2005

3rd Libyan National Biotechnology conference (Sebha- Libya)

15 Dec 2004

Libyan Blood Banks Meeting (Tripoli- Libya) presented a lecture titled: The use of molecular techniques in blood banks.

May 2004

Ethical dimension to the genetic banks (Tripoli-Libya).

26-27 Apr 2004

Cloning of live organisms and its effect on the biological diversity (Benghazi-Libya).

04-06 Aug 2003

2nd Libyan National Biotechnology conference (Al-Baida- Libya) British Yeast Group meeting

(UMIST). 5 Jun 2001 COGEME meeting (Bristol). 10-11 Apr 2001 Investigating gene function forum 2001 (presented a poster) (Wyboston Cambridge). 14 Feb 2001 Yeast Research Laboratory Mini Symposium (Manchester) 5 Dec 2000 COGEME meeting (Manchester). 13-15 Dec 1999 Genes and Cancer meeting 99 (16th meeting) (Warwick). 1st Oct 1999 The third molecular haemopoiesis workshop (London). 22-24 Jun 1999 Bone and Tooth Society annual Meeting (presented a poster) (Bristol). 25 Sep 1998 The second molecular haemopoiesis workshop (London). 1993-1995 Attended most of the North West extracellular matrix group meetings.

Publications

Sandesh J. Marathe, Giorgio Marozzi, Leonardo Lorenzi, Domizia Donnini, Leonardo Baciarelli Falini, Abdulla M. Bashein, Salem Shamekh. Whitish truffles found in Finland: soil characteristics, and identification based on morphological and molecular properties. Archives of Microbiology (2023) 205:111

✤ Noureddin M Rashid, Saleh A Ammar, Ahmad Almabruk, Mostafa MO Abdoarrahem, Abdulla Bashein, Taher Shaibi and Badereddin B Annajar. Genetic Identification of Meriones spp. The Reservoir Host of Cutaneous Leishmaniasis in the North Western Region of Libya. SEBHA UNIVERSITY JOURNAL OF PURE & APPLIED SCIENCES VOL.21 NO. 4 2022

➡ Hafsa M. Alemam, Mouna M. ElJilani, Abdulla M. Bashein. Effect of Intramuscular Injection of Vitamin D on 25-Hydroxyvitamin D Levels, Glycaemic Control, and Liver Enzymes in Libyan Patients with Type 2 Diabetes Mellitus. Libyan Int Medical Univ J 2022;7:22–27.

✤ Abdulghani Msalati, Abdulla Bashein, Ebtesame Aljaloh, Ghrew Murad, Khaled Sedaa, Ahmed Zaid. Prevalence of . D deficiency in medical students. Mediterr J Pharm Pharm Sci. 2(1): 73-82, 2022.

Hafsa M. Alemam, Nabil S. Enattah, Abdulmunam M. Fellah, Ehabeddin Elftisi,
 Abdurrahman Akarem, Abdulla M. Bashein. Correlation between maternal and fetal
 umbilical cord blood lead concentrations in Libya. Eastern Mediterranean Health Journal.
 2022.

✤ Sandesh J Marathe, Wahiba Hamzi, Abdulla M Bashein, Jan Deska, Tuulikki Seppänen-Laakso, Rekha S Singhal, Salem Shamekh. Anti-Angiogenic Effect of *Cantharellus cibarius* Extracts, its Correlation with Lipoxygenase Inhibition, and Role of the Bioactives Therein. Nutrition and Cancer, 2022, 74(2): 724-734

▶ Mahanay FJ, Bashein AM, EI-Buni AA, Sheebah A, Annajar BB. Malaria in illegal immigrants in Southern Libya. Libyan J Med Sci 2021;5:158-61. ▶ ElJilani MM, Alemam HA, Bashein A. Vitamin D and liver enzymes' levels in Libyans with type 2 diabetes. Libyan J Med Sci **2021**;5:116-20.

▶ Alemam AH, Bashein MA, Akarem AA, Aqeelah AH and Alnagar AF. Association of Lipid Profile and Vitamin D Supplementation among Type 2 Diabetes Mellitus (T2DM) Libyan Patients. International Journal of Endocrinology and Diabetes. 2021, 4(3):1-6

▶ Elghawi LM, Mahanna KH, **Bashein** AM. Prevalence of H63D and C282Y mutations in hereditary hemochromatosis (HFE) gene in Tripoli region of Libya. Libyan J Med Sci **2021**;5:49-55.

 ▶ Fillo, S.; Giordani, F.; Monte, A.; Faggioni, G.; De Santis, R.; D'Amore, N.; Palomba, S.; Hamdani, T.; Taloa, K.; Jumaa, A.B.; Bitrou, S.; Alaruusi, A.; Mad, W.; Zorgani, A.; Elahmer, O.; Annajr, B.; Bashein, A.; Lista, F. Genomic Characterization and Phylogenetic Analysis of SARS-CoV-2 in Libya. *Microbiol. Res.* 2021, *12*, 138-149. https://doi.org/10.3390/microbiolres12010010

➡ Abdulghani Msalati , Abdulla Bashein , Murad Ghrew , Ibtesam Khalil , Khaled Sedaa , Abushawashi Ali & Ahmed Zaid (2021) Association of venous thromboembolism and myocardial infarction with Factor V Leiden and Factor II gene mutations among Libyan patients, Libyan Journal of Medicine, 16:1, 1857525, DOI: 10.1080/19932820.2020.1857525

Sandesh J. Marathe, Wahiba Hamzi, Abdulla M. Bashein, Jan Deska, Tuulikki Seppänen-Laakso, Rekha S. Singhal, Salem Shamekh, Anti-angiogenic and anti-inflammatory activity of the summer truffle (Tuber aestivum Vittad.) extracts and a correlation with the chemical constituents identified therein, Food Research International, 10.1016/j.foodres.2020.109699, 137, (109699), (2020).

➤ Ghrew Murad, Ellafi Hanan, Msalati Abdulghani, Bashein Abdulla, Sultan Mohammed, Sedaa Khaled. Prevalence of Vitamin D Deficiency in Pregnant Diabetic Patients in Western Libya. Archives of Internal Medicine Research 2 (2019): 004-013.

▶ Mwada Mohamed Jallul, Aisha Mohamed Dugani, Elham Omran Elgdhaf i, Abdulla Masood Bashein. The Impact of CYP2C9 and VKORC1 Polymorphism In Patient's Response to Warfarin and Acenocoumarol. J Med Biomed App Sc 7 (7), 260–266 (2019)
 ▶ Hajir A Alasaifer, Enas A Sadawe, Asia AM Almakhlufi, Salah M Bensaber, Abdulla M Bashein, Anton Hermann, Abdul M Gbaj1. Thermodynamic study of BRAF V600 mutations in colorectal cancer patients. Pharm Pharmacol Int J. 2018;6(5):395–397.

>> Hajir A Alasaifer, Enas A Sadawe, Asia AM Almakhlufi, Salah M Bensaber, Abdul M Gbaj

Abdulla M Bashein and Anton Hermann. Study of BRAF V600 Mutations in Libyan Colorectal

Cancer Patients. Glob J Nano. **2018**; 4(4): 555645.

✤ Zorgani A, Almagatef A, Sufya N, Bashein A, Tubbal A. Detection of CTX-M-15 Among Uropathogenic *Escherichia coli* Isolated from Five Major Hospitals in Tripoli, Libya. Oman Med J. 2017 Jul;32(4):322-327. doi: 10.5001/omj.2017.61.

→ Abdulaziz Zorgani, Hiyam Daw, Najib Sufya, Abdullah **Bashein**, Omar elahmer⁵, Chedly Chouchani. Co-occurrence of plasmid-mediated AmpC β-lactamase activity among *Klebsiella pneumonia* and *Escherichia coli*. The Open Microbiology Journal. Volume 11, **2017**

 Abdulaziz Zorgani, Amna Albusafi, Najib Sufya, Abdulla Bashein and Allaaeddin Ali El Salabi. *bla-VIM* <u>Gene among Metalo-β-Lactamase Producing</u> *Pseudomonas aeruginosa*. EC Microbiology. 2017 13(2): 76-83.

➡ Alemam H, Zaid A, Akarem A, Enattah N, Bashein A. Effect of active cigarettes smoking, water-pipe smoking and snuff (naffa) inhalation on BMI, lipid profile, and plasma glucose. A case control study of Libyan males East African Journal of Public Health. 2015; 12(1) 975-980

▶ Polymorphisms of the thiopurine S-methyltransferase gene among the Libyan population

Hamza Ben Zeglam, Abdrazak Benhamer, Adel Aboud, Haitem Rtemi, Meftah Mattardi, Saleh Suleiman Saleh, Abdullah **Bashein** and Nabil Enattah. Libyan J Med **2015**, 10: 27053 - http://dx.doi.org/10.3402/ljm.v10.27053

➤ Development of hydrolysis probe real-time PCR and high resolution melting analysis protocols for screening of E280K and c.1055del.G mutations in PAH gene. Abdulla Bashein, Kaltoom Mahanna, Omar Elahmar, Khaled Sedaa. THE LIBYAN JOURNAL OF Infectious Diseases Vol. 6 No.1 & 2 July 2012

▶ Bashein AM, Abuglela N, Al-Shridi F, Msalati A, El-Rafifi K, Ben Amer AA, El-Aswed F (2010): Screening for six common mutations in phenylalanine hydroxylase (PAH) gene in Libyan patients with PKU. Sc. J. Az. Med. Fac. 31 (2): 23-31.

✤ Abello HY, Alkout A, Bashein A, Laswad F, Ben Shaban A, Aborois A, Bady A, Blackwell C (2009): VacA genotype of H. Pylori and its relation to antibiotics resistance among Libyan patients. Menoufiya Medical Journal. 22 (2): 23-28.

✤ Abud AI, Bashein AM, Msalati AA: (2009): Investigating the Importance of Haemoglobin Measurement for Selection of Blood Donors in Libya. Libyan Journal of Medicine. 4 (4): 137-139

▶ Nagwa Mabrouk Alnagih, Abdulla Masood Bashein, Abdunnabi Ahmed Rayes (2007): Hepatitis B virus genotype D is the most prevalent in Libyan patients. (Infectious & Endemic Diseases conference (IEDSC 2007) (Tripoli-Libya) 4-7 May 2007.

➡ Sakhinia E, Byers R, Bashein A, Hoyland J, Buckle A.-M, Brady G (2006): Gene expression analysis of myeloid and lymphoid lineage markers during mouse haematopoiesis. Br J Haematol. 135, 105–116.

 Bashein AM (2005): Biotechnology: interplay of biology with technology (Proceedings of the 3rd Libyan National Biotechnology conference (Sebha- Libya)

Bashein AM, Kawan M (2004): The use of genetic databases. (Proceedings of the Ethical dimension to the genetic banks) (Tripoli-Libya).

▶ Bashein AM (2004): Biotechnology in Medicine: Legal, social and ethical issues (Proceedings of the Cloning of live organisms and its effect on the biological diversity (Benghazi-Libya).

✤ Fang Y, Brass A, Hoyle DC, Hayes A, Bashein A, Oliver SG, Waddington D, Rattray M. (2003): A model-based analysis of microarray experimental error and normalisation. *Nucleic Acids Res.* 31:e96

▶ Bashein AM, Oliver S, Hayes A (2003): Study of gene expression in yeast using the Microarray technology. (Proceedings of the 2nd Libyan National Biotechnology conference (Al-Baida-Libya)

 Bashein AM and Brady G (2003): Cloning and characterisation of genes that are potential regulators of haemopoiesis. (Proceedings of the 2nd Libyan National Biotechnology conference (Al-Baida- Libya)

▶ Al-Taher A, Bashein A, T. Nolan, M. Hollingsworth and G. Brady (2000): Global cDNA amplification combined with Real-Time RT-PCR: accurate quantification of multiple human potassium channel genes at the single cell level. *Yeast* 17: 201-210.

➤ Cesar Nunez, Abdulla M. Bashein, Clare L. Brunet, Judith A. Hoyland, Anthony J. Freemont, Anne-Marie Buckle, Clare Murphy, Michael A. Cross, Guy Lucas, Victoria J. Bostock and Gerard Brady (2000): Expression of the imprinted tumour-suppresser gene H19 is tightly regulated during normal haemopoiesis and is reduced in haemopoietic precursors of patients with myeloproliferative disease polycythaemia vera. J Pathol 190(1):61-68.

Bashein A and Brady G: Isolation of a gene that is expressed in bone marrow and not in

foetal liver hematopoietic precursors. (Proceedings of the Bone and tooth society annual meeting. 1999; Abstract- P57).

→ Al-Taher AY, **Bashein A**, G. Brady, T. Nolan, M. Hollingsworth: Quantitative RT-PCR Reveals high expression of Bkca α-subunit in human myometrium. *The Physiologist*. 19 99; 42 (4): A-7 (abstract 5.33).

Scientífic Committees

Membership of the 3rd Infectious & Endemic Diseases conference scientific committee Membership of the National committee for Avian Flue Preparedness plan. Membership of the 2nd Infectious & Endemic Diseases conference scientific committee Membership of the 5th Biotechnology conference scientific committee Membership of the Infectious & Endemic Diseases conference scientific committee Membership of the 4th Biotechnology conference scientific committee Membership of the 3rd Biotechnology conference scientific committee Membership of the 3rd Biotechnology conference scientific committee

Scientífic Societies

A full membership of the Libyan medical laboratories Society A full membership of the African Society of Human Genetics

Languages

→ Arabic

► Amazigh

➡ English

Skílls

➤ SPSS statistical program

- ➡ Microsoft Office
- ▶ Full British Driving Licence