

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 (with four children)		
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	Religion:	Islam		

Employment

1- Teaching

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.

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2- Postgraduate students Supervision

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 Glioblastomas patients**

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

Feb 07- Feb 09 Supervised an MSc project titled **Molecular screening for the common mutations in Phenylalanine Hydroxylase (PAH) in Libyans suffering from 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 **microarray** 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

Jul 04 - Now

Head 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 Center

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, Medical Laboratory Sciences, 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

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 4 th annual PulseNet middle east strategic planning consultation, organized by the WHO, Muscat- Oman
15-18 May 2009 (Tripoli-Libya)	Second Infectious & Endemic Diseases Scientific Conference (IEDSC 2007)
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 (Tripoli-Libya)	Infectious & Endemic Diseases Scientific Conference (IEDSC 2007)
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	28 th 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

- 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.
- ▶ 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 Gene among Metallo- β -Lactamase Producing 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, Shamis RA, Daeki AO (2005): Quality Control in the medical laboratories in Tripoli City. (Proceedings of the Quality Conference 2005. For the enhancement of Quality Principles. (Tripoli- Libya).
- ▶ **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-suppressor 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).

» Y. Al-Taher A , **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).

Scientific 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 Medical Laboratories conference scientific committee

Scientific Societies

A full membership of the Libyan medical laboratories Society

A full membership of the African Society of Human Genetics

Languages

» Amazigh

» Arabic

» English

Skills

» SPSS statistical program

» Bioinformatics.

» Microsoft Office

» Full British Driving Licence