

CURRICULUM VITAE

Basma Mohamed Doro

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Dept. of Microbiology & Immunology

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P. O Box 13000, Tripoli University. Tripoli, Libya.

- **Education research and Achievement:**

- April, 2020 online certificate from university of Toronto in Bioinformatic methods II.
- April, 2020 online course certificate from Osmosis.org in COVID-19 , what you need to know (CME Eligible).
- April 2020, online course certificate from Rice University in Fundamentals of immunology and B cell function .
- April 2020, Certificate from University of Toronto, online course in Bioinformatic methods I.
- 2014 PhD award in pharmacy and Biomedical science from Strathclyde University. The title of project; determine the ability of recombinant protein Gamma GCS to vaccinated against different *Leishmania* species. Supervisors; Dr. K.C Carter, Immunologists, First supervisor. Pro: Alex .M second supervisor, Pharmacist.
- 2009; University of Strathclyde, MRes Degree in Biomedical Science. Project Title; determine the ability of recombinant protein to vaccinate against *Leishmania donovan* and *leishmaina mexicana*. Supervisor is K.C.Carter.
- 2007. Study Academic English writing courses, in Glasgow University.
- August – December 2006 Study Academic English courses, in Sheffield University
- 1995-2000 BSc in Pharmacy, Tripoli University, Tripoli-Libya. Dissertation Project: Study *Neisseria gonorrhoea* infection. Grad A , in Pharmacy Science.
- 1993-1995, Grad A , Secondary school , Libya.
- 1986-1993, comprehensive school, Tripoli-Libya, Grad A.

- **Research and Related Training.**

- 10-13 December 2018, Hammamet , Tunisia , Capacity Building in Research Methods and Ethics Workshop on Good Health Research Practice , Regional Training Center supported by TDR for East Mediterranean region (EMR) Institut Pasteur de Tunis.
- October 2017 Certificate of teaching skills, university of Southampton, UK.
- April 2014 attended a training course in Humanistic management system in University of Tripoli, Research, consulting and training centre.
- 2013 PCR and primer design workshop by Invitrogen.

- 2012 IVIS workshop in Glasgow University.
- 2012 Flow cytometer workshop in Strathclyde University.
- 2010 animal handling course, in Glasgow University.
- 2008, PCR Training course, for protein design and study the stability of protein.
- 2008, ELISA , different type of Elisa for different purpose.
- 2007, Immunohistopathology courses.
- 2005, Drug quality control courses, Faculty of pharmacy, Tripoli university, Tripoli-Libya.

- **Professional Details:**
 - 2019 Head of examination and study department in Faculty of pharmacy, Tripoli university.
 - 2018 member of established team for Libyan Society of infection Disease and a Head of Society council.
 - 2018 Member in Antibiotic policy community in NCDC
 - 2018 participated in initiated the Libyan society of infectious disease
 - 2018 Researcher in *Leshmania* Lab in NCDC
 - 2017 till March 2018 Head of Head of microbiology and Immunology Department in Faculty of Pharmacy, The University of Tripoli.
 - December 2017 , member of health ministry team for inspection for medical factory registration in Tunisia.
 - April 2017, Assistant professor at microbiology and immunology Department School of pharmacy, University of Tripoli.
 - July 2016 till 2017, head of Research, consulting and training department in Faculty of Pharmacy, The University of Tripoli.
 - October 2016, Member of ethics community to prepare the Scientific Research Ethics Document for University of Tripoli.
 - May 2015 –July 2016 Head of microbiology and Immunology Department in Faculty of Pharmacy, The University of Tripoli.
 - May 2015 –July 2016 coordination for postgraduate course in microbiology and Immunology Department in Faculty of Pharmacy, The University of Tripoli.
 - April 2014 Lecture at microbiology and immunology Department School of pharmacy, University of Tripoli..
 - 2014 head of microbiology and immunology Department School of pharmacy, University of Tripoli.
 - 2012- 2013 works as Demonstrator for forth year project in biomedical science in Strathclyde University.
 - Summer 2012 Demonstrator for summer school for British society of immunology in Strathclyde University.
 - 2011-2012 Demonstrator for undergraduate’s pharmacy student Strathclyde University.
 - 2009- 2010, Assistant Lecture Microbiology department, pharmacy school, University of Tripoli., Libya.
 - 2005 member of inspection team on the medical factory for Abdo company in Turkey as Health ministry team.

- 2003- 2006, School of pharmacy, University of Tripoli., Tripoli-Libya. Demonstrator for undergraduate's pharmacy student, microbiology and immunology department.
- 2000- 2001 works in drug store of National Libyan diabetic centre as pharmacists.

• **Key Skills.**

- IT: extensive knowledge of all Microsoft Office programs.
- Team: Experience of working effectively in multidisciplinary research teams.
- Communication: Presented research findings at conferences and industrial meetings poster. Developed interpersonal skills through employment, committee and student society work.

➤ **Publication:**

- Phytochemical Screening of Methanolic Extract of Five Libyan Date Varieties (*Phoenix Dactylifera* L.) And Evaluation of Their Antimicrobial Activity. Nahla Labyad , **Basma Doro** , Fadia Gafri , SafaElamaari , Namarq Almusrati , IJPSAT , **Vol. 22 No. 1 August 2020, pp. 168-175**
- Screening of *Toxoplasma gondii* antibodies and Riskfactors among Patients in Asabieh City, Libya, Wleed Khalif Ali, Hend Shubar, Asma Ramadan, Walid K. Saadawi, Badereddin Annajar, Sumaia R. Alkhanfas, **Basma Doro**, *Jmbas* 7 (6), **255–259 (2019)**
- Effect of Ciprofloxacin on *S. aureus* and *E. coli* Growth in Presence of Vitamin C Using Cup Cut Diffusion Method, Suhera M. Aburawi, **Bassma M. Doro** and Ebtisam A. Awad *Journal of Pharmacy and Pharmacology* 7 (2019) 473-484
- Bacteriology Screening of Roasted and Raw Chicken Sold in Tripoli. Hend Shubar, **Basma Doro**, Aida Ghalboun, Azher S. Ben Hamed, Aisha M. Atewai, Aya F. Ben Saleem, Fadia B. Aboud and Asma Ramadan. 7(2): 1-8, **2019; AFSJ.46979**
- Activity of Honey and Propolis on Bacteria Isolated from Diabetic Foot. Hend Shubar, Manal Abdul Gawad, **Basma Doro**, Najib Sufya, Attiya Alatery, Salah B. Mohamed and Najat Al Magrha. *JAMB*, 13(1): 1-8, **2018**.
- An *In vivo* Imaging Of Cutaneous Leishmaniasis in BALB/C Mice **Basma Doro**, Najib M SufyaA, Fadia Mohamed Gafri and K. C. Carter. *International Journal of Chemistry, Pharmacy & Technology* Vol. 3, No.4, pp-7-21, **2018**
- *In vitro* Antibacterial Activity of *Ficus carica* L. (Moraceae) from Libya. **Basma Doro**, Salma Mostafa Ben Garsa, Fatima Isa M. Abusua, Nouha Elmarbet and Mahmoud Ben Shaban. *Journal of Complementary and Alternative Medical Research*. 5(3): 1-8, **2018**; Article no.JOCAMR.40820 ISSN: 2456-6276
- Bay Leaves have Antimicrobial and Antioxidant Activities. Sumia O Algabri, **Basma M Doro**, Awatf M Abadi, Mahmoud A Shiba and Almonder H Salem. *Journal of Pathogen Research*, Vol.1 No.1:3, **2018**
- The Antibacterial Activity of Libyan Honey against Gram Negative Bacilli: Potential Treatment Agent for Infectious Diseases?.Nouha Elmarbet1, Mahmoud Ben Shaban, **Basma Doro**, Bashir A. Lwaleed,Sarah Fouch and

- Mohamed Elemam . Journal of Advances in Medicine and Medical Research. 25(7): 1-10, **2018**; Article no. JAMMR.39349. ISSN: 2456-8899
- Antibacterial activity of four different Libyan origin honey against *Salmonella* species ,**Nouha S Elmarbet**, Mahmoud Ben Shaban, Mohamed M. Elemam, **Basma Doro** TMJ.5.2.2016.
 - Phytochemical antioxidant and antimicrobial study of Libyan propolis ethanolic extract, Nahla Labyad, **Basma Doro**, Nouha S Elmarbet, Marwa M Aluonsy and Masoud Kahmasi, International Journal of Herbal Medicine **2016**; 4(5): 01-04
 - Blood Donors Status of HIV, HBV and HCV in Central Blood Bank in Tripoli, Libya. **Basma Doro**, Wajdi M. Zawia, Walid M. Ramadan Husien Nagi Meftah Gerbil Abdalla, Adam M. Rifai, Enase Dourou, Fatma J. Amar and Abdulwahab N. AboughressInternational Blood Research & Reviews. **2015** - Volume 4. Issue 3
 - Studies of the antimicrobial activity of Black Seed Oil from *Nigella Sativa* on *Staphylococcus aureus* and *Escherichia coli*. Najib M. Sufya1, Rehab R. Walli Fatima M. Wali , Marwa S. Alareiba and **Basma M. Doro**. Libyan J Med Res, Vol. 8, No. 1: 2014
 - Campbell, S., Alawa, J., Doro, B., Henriquez, F., Roberts, C., Nok, A., Alawa, C., Alsaadi, M., Mullen, A., Carter, C. (2012). Comparative assessment of a DNA and protein *Leishmania donovani* gamma glutamyl cysteine synthetase vaccine to cross-protect against murine cutaneous leishmaniasis caused by *L. major* or *L. mexicana* infection. **Vaccine**, **30 (7)**, **1357-1363**
- **Postgraduate supervision**
- Study of antimicrobial potency of *Malva parviflora* leaves extract in Libya. Microbiology and immunology department, Faculty of pharmacy, University of Tripoli. **Bushra M. Dakhil , 2019.**
 - Phenotypic and antibiogram study of microbial associated with ulcerative keratitis infection Tripoli eye hospital, Microbiology and immunology department, Faculty of pharmacy, University of Tripoli. **Nour Abdulraziq Elsawsaa, 2019.**
 - Phytochemical Screening, Acute Toxicity Test and Antibacterial Activity of Aerial part of *Globularia alypum* Grown in Libya, **Suad Salem Shanab**, Academy of Graduate Studies Janzour, School of Basic sciences, Division of Microbiology, 2106.
 - Prevalence of Human Toxoplasmosis in Esbia Region. Academy of Graduate Studies Janzour, **Waleed Khalifa Ali**, School of Basic sciences, Division of Microbiology, 2107
 - Antibacterial effect of Libyan honey on clinical isolated methicillin resistant staphylococcus aureus (MRSA), **Ruwaida Issa Mohamed Omar**, Academy of Graduate Studies Janzour, Waleed Khalifa Ali, School of Basic sciences, Division of Microbiology, 2107
- **Scientific meetings**
- Clinical screening of bacteria isolated from diabetic patient foot. Manal Abdul Gawad, Hend Shubar, **Basma Doro**, Salah B. Mohamed, Najat Al magrha. **oral presented in Medical Research Conference on Sep/20/2015 in Tripoli Libya.**

- Comparing the effect of buthionine sulphoximine on *Leishmania* gamma-glutamylcysteine synthetase from different species, B. Doro, G. Westrop, M. Wiese, C. Shaw, R.A.M. Williams, R. Burchmore, A.B. Mullen and K.C. Carter. **BSP spring Meeting 2013 in Bristol.**
- The Effect Of Buthionine Sulphoximine on the Survival of different *Leishmania* species and on the expression of gamma-glutamylcysteine synthetase from different *Leishmania* species in the **Poster sessions, Basma Doro**; G Westrop; M Wiese; R Willams; C Shaw; R Burchmore; A.B. Mullen; K.C Carter. **Worldleish5, 13th** to May 17th, 2013, at Porto de Galinhas, PE, Brazil.
- The ability of vaccination with a recombinant *Leishmania* gamma glutamyl cysteine synthetase vaccine to protect against leishmaniasis. B. Doro; M Wiese; A. B. Mullen; K. C Carter IIM Post-Graduate Symposium, June 2013.
- The ability of Vaccination with a recombinant *Leishmania* gamma glutamyl cysteine synthetase vaccine to protect against *L. mexicana* infection. Basma Doro; M Wiese; A. B. Mullen; K. C Carter **Worldleish5, 17th**, 2013, at Porto d. Galinhas, PE, Brazil.
- Optimisation of *Leishmania donovani* gamma-glutamylcysteine synthetase recombinant protein expression in *Escherichia coli*. Basma Doro; M Wises; A. B. Mullen; K. C Carter. **Research day, SIPBS, February 2012.**
- Optimisation of *Leishmania donovani* gamma-glutamylcysteine synthetase recombinant protein expression in *Escherichia coli*. Basma Doro; M Wiese; A. B. Mullen; K. C Carter. **Research day, SIPBS, February 2012.**
- *In vivo* imaging of cutaneous leishmaniasis in BALB/c mice. B. Doro, R. Williams, M. Wiese and K.C. Carter **IMB symposium March 2012**, Integrative Mammalian Biology Initiative, meeting, 29th March 2012 University of Strathclyde.
- The effect of buthionine sulphoximine on the survival of *Leishmania* species, B. Doro, G. Westrop, M. Wiese, R.A.M. Williams and K.C. Carter. **BSP Spring Meeting 2012, in Glasgow.**
- The effect of vaccination with recombinant *L. donovani* and *L. mexicana* gamma glutamyl cysteine synthetase by different routes of administration on host immune responses. B. Doro, M. Wiese, A. B. Mullen and K.C. Carter, **European Congress of Immunology, 2012, Glasgow.**
- **2010 ISSX meeting in Istanbul turkey Present Poster** with title Vaccination against *L. mexicana*.
- 2008, Glasgow university Biomedical meeting, Present Poster with title Vaccination against *L. mexicana*
- **2001, Libyan medical meeting in Azaweia**, Present paper (*N.gonorrhoea* incidence in Libyan women in Tripoli).
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➤ **Membership of Professional Societies**

- British society of parasitology. London, UK
- British society of immunology. London, UK
- Libyan society of infectious disease
- Libyan society of pharmacy

- **Referees.**

- **Prof. Mahmoud Edeek,**

Prfoessor at History Department, The University of Tripoli, medeek@hotmail.com ,
Phone: 00218923782138.

- **Dr. K.C.Carter**

Senior lecturer, K.carter@strath.ac.uk , Phone: 00441415483823
Strathclyde institute of pharmacy and Biomedical Science.
University of Strathclyde.161 Cathedral Street, Glasgow G4 ORE, Scotland, UK.

- **M Wiese;**

Senior Lecturer in Molecular parasitology and Bochemistry,
martin.wiese@strath.ac.uk, +44 (0)141 548 2678, University of Strathclyde .161
Cathedral Street, Glasgow G4 ORE, Scotland, UK.

- **B. Mullen**

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Strathclyde institute of pharmacy and Biomedical Science. University of
Strathclyde .161 Cathedral Street, Glasgow G4 ORE, Scotland. UK.