**Curriculum Vitae**

**ABUALGASIM ELGAILI ELSEDDIG ABDALLA Ph.D.**

**Assistant Professor of Clinical Microbiology and Immunology**

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**Telephone No:** +249913759851

**Date and Place of Birth:** 01/01/1982, Alazaza, South Algezerra, Sudan.

**Marital Status:** Married, one child born in 2014.

PhD thesis title (Mycobacterium tuberculosis Rv0341 plays a role in bacterial physiology and antimicrobial resistance via changing cell wall permeability)

**Education**

**2016:**  Doctor of Philosophy in Microbiology (Molecular Immunology), Southwest University, China.

**2011**: Master of Science in Medical Laboratory Science (Microbiology), Sudan University of Science and Technology, Sudan.

**2006**: Bachelor of Science in Medical Laboratory Sciences (Medical Microbiology) with grade (Excellent with honor), Omdurman Islamic University, Sudan.

**Employment History**

**2013-2016:** PhD research fellowship, Southwest University, China.

**2011-2013:** Lecturer, Department of Medical Microbiology, faculty of Medical Laboratory Sciences, Omdurman Islamic University.

**2006-2011:** Teaching Assistant,Department of Medical Microbiology, faculty of Medical Laboratory Sciences, Omdurman Islamic University.

**2008-2009:** Teaching Assistant,Department of Biotechnology, faculty of Sciences, Omdurman Islamic University.

**Awards and Honors**

Excellent international graduate student for the year 2016, Southwest University, China.

**Summary of Microbiology Experience**

* Microscopy examinations.
* Staining and culture preparation.
* Microbial isolation and identification.
* Antimicrobial susceptibility tests.

**Summary of Molecular Biology Experience**

* PCR and RT-PCR techniques.
* DNA and RNA extraction
* Genetic Engineering and gene knockdown technique
* Western blot technique
* Analysis of genes expression profile.

**Summary of Immunology Experience**

Cells culture, I have good experiences in macrophages culture, infection, and analysis of cytokines and their signaling transduction pathways.

Mapping of immune signaling transduction pathways

**Publications:**

**Sci Journals:**

1. Lambert N, **Abdalla AE**, Duan X, Xie J. (2016). [Emerging drugs and drug targets against tuberculosis](https://www.ncbi.nlm.nih.gov/pubmed/27822967). J Drug Target: 8:1-36. DOI: [10.1080/1061186X.2016.1258705](https://dx.doi.org/10.1080/1061186X.2016.1258705).
2. **Abdalla AE**, Duan X, and Xie J. (2016) MicroRNAs play big roles in modulating macrophages responses toward mycobacteria infection. Infect Genet Evol. 45:378-382. doi: 10.1016/j.meegid.2016.09.023.
3. **AbdallaAE**, LambertN, Duan X and Xie J (2016) Interleukin-10 family and Tuberculosis: an old story renewed**.** Int J Biol Sci. 27;12(6):710-7. doi: 10.7150/ijbs.13881**.**
4. **Abdalla AE**, Li Q, Xie L and Xie J (2015) Biology of IL-27 and its Role in the Host Immunity against *Mycobacterium tuberculosis*. Int J Biol Sci 11. 168-75. doi: 10.7150/ijbs.10464**.**
5. Fan X, **Abdalla AE** & Xie J. (2015). Distribution and function of prophage phiRv1 and phiRv2 among *Mycobacterium tuberculosis* complex, J Biomol Struct Dyn. 34(2):233-8. doi: 10.1080/07391102.
6. Huang Q, **Abdalla AE**, Xie J. (2015). Phylogenomics of Mycobacterium Nitrate Reductase Operon, Curr Microbiol . 71(1):121-8. doi: 10.1007/s00284-015-0838-2**.**
7. Deng W, Zeng J, Yang W, **Abdalla AE**, and Xie J. (2016). *Mycobacterium tuberculosis* PPE32 Promotes Macrophage IL12p40 Production and Host Cell Apoptosis through IL-32/caspase Cascade and ER Stress Response. Oncotarget. doi: 10.18632/oncotarget**.**
8. Duan X, Huang X, Wang X, Yan S, Guo S, **Abdalla AE**, Huang C and Xie J(2016). L-serine potentiates fluoroquinolones activity against *Escherichia coli* by enhancing endogenous reactive oxygen species production. [J Antimicrob Chemother.](http://www.ncbi.nlm.nih.gov/pubmed/?term=L-serine+potentiates+fluoroquinolones+activity+against+Escherichia+coli+by+enhancing+endogenous+reactive+oxygen+species+production" \o "The Journal of antimicrobial chemotherapy.) doi: 10.1093/jac/dkw114.
9. Zeng J, Deng W, Yang W, Luo H, Duan X, Xie L, Li P, Wang R, Fu T, **Abdalla AE**, and Xie J. (2016). *Mycobacterium tuberculosis* Rv1152 is a Novel GntR Family Transcriptional Regulator Involved in Intrinsic Vancomycin Resistance and is a Potential Vancomycin Adjuvant Target. Scientific report, doi: 10.1038/srep28002.
10. Huang Q, Luo H, Liu M, Zeng J, **Abdalla AE**, Duan X, Li Q and Xie J (2015). The effect of *Mycobacterium tuberculosis* CRISPR-associated Cas2 (Rv2816c) on stress response genes expression, morphology and macrophage survival of *Mycobacterium smegmatis*. Infect Genet Evol. 40:295-301. doi: 10.1016/j.meegid.
11. Luo H, Zeng J, Huang Q , Liu M, **Abdalla AE**, Xie L, Wang H & Xie J (2015): *Mycobacterium tuberculosis* Rv1265 Promotes Mycobacterial Intracellular Survival and Alters Cytokine Profile of the Infected Macrophage, J Biomol Struct Dyn. 34(3):585-99. doi: 10.1080/07391102.

**Periodic journals:**

1. Xie L, Yu Z, Guo S, Li P, **Abdalla AE** and Xie J. (2015). The role of epigenetic and protein post-translation modification in bacterial antibiotic resistance. Yi Chuan, Chinese. (8):793-800. doi: 10.16288/j.yczz.15-092.
2. **Abdalla AE**, Nagi AM, Elawad HE. (2013). Frequency of Rotavirus Infection among Children with Diarrhea in Omdurman
Pediatric Hospital, Sudan. Sudan JMS Vol. 8, No.4. Dec 2013.
3. **Abdalla AE**, Altayeb AA, Alshareef MA, Elboni MS, Abosalif KO, Ahmed WA, Khalid KE, Elawad HE and El-Amin EI (2015) Seroprevalence of Cytomegalovirus Antibodies among Hemodialysis Patients in Gezira State, Central Sudan. World Journal of Pharmaceutical Research, Vol 4, Issue 07.

**References:**

1. **Prof. Jianping Xie**

Deputy Professor, Institute of Modern Biopharmaceuticals, Southwest University, China.

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1. **Dr.** **[Xiangyu Fan](http://www.nature.com/articles/srep28701%22%20%5Cl%20%22auth-3)**

School of Biological Science and Technology, University of Jinan, Shandong 250022, China.

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**3. Dr. Xie longxiang**

Institute of Modern Biopharmaceuticals, Southwest University, China.

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