**C. V.**

**Name: Mohammed Essa Marghany Tolba**

**Date of birth: 29/12/1976**

**Sex: Male**

**Marital state: Married and have three children**

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**Degrees:**

* **M.B.B.Ch. (Faculty of Medicine, Assiut University) VERY GOOD with HONOR Sept. 1999.**
* **M. Sc (Medical Parasitology) Faculty of Medicine, Assiut University, EXECELLENT April 2004.**
* **Medical Doctorate (Medical Parasitology) Faculty of Medicine, Assiut University Dec. 2006.**

**Positions:**

* **Demonstrator of Parasitology, Faculty of Medicine, Assiut University, March 2001.**
* **Assistant lecturer of Parasitology, Faculty of Medicine, Assiut University, June 2004.**
* **Lecturer of Parasitology, Faculty of Medicine, Assiut University, Jan. 2007 (permanent position).**
* **Visiting researcher in Institute of Medical Science, The University of Tokyo, Department of Parasitology from October 2008 till the 2nd of October 2010.**
* **Post-doctoral researcher on the Tokyo Biochemical Research Foundation (TBRF) from May 2011 to June 2013.**
* **Associate professor of Parasitology, Faculty of Medicine, Assiut University, from January 2012 (permanent position).**
* **Project associate professor in medical genomics, the University of Tokyo, until 08/06/2015.**

**Research interests:**

* **I have good experience with laboratory animals as I maintained *Toxoplasma* *gondii* Rh strain for 5 years in laboratory mice, *Trypanosoma* *evansi* and *Trichinella* *spiralis* in rats.**
* **I good experience in preparing homemade test like modified agglutination test for *Toxoplasma* and haemagglutination test for Trypanosomes.**
* **I have good experience with different stains used in diagnosis of parasites..**
* **I have good knowledge of isolation of parasites as I participated in isolation *T.* *spiralis* strain from pigs and *T. evansi* from camels in Assiut Governorate.**
* **I have good knowledge and practice with basic immunological techniques such as ELISA and Immunofluorescence.**
* **I have good knowledge of PCR and gel electrophoresis.**
* **I have good knowledge of parasites culture as I cultured *Plasmodium falciparum* 3D7 (genome sequence strain), HB3w strain using serum free media, I cultured *Giardia lamblia* WB strain(ATCC 50803) which is assemblage A genome sequence strain and induce in vitro mass cyst production, and I cultured *Allovahlkampfia* *spelaea* Egyptian eye isolate.**
* **I have participated in *Plasmodium falciparum* and *Giardia lamblia* culture and RNA extraction for transcriptional start site analysis and data analysis.**
* **I have a good knowledge of sequencing and dealing with sequencers data results.**
* **I have a fair knowledge of PERL programming language.**

**Teaching background:**

**I have been teaching parasitology to 3rd year students of medicine, veterinary and pharmacy faculties in Assiut University. I have also participated in teaching and supervising graduate students’ courses.**

**List of publications:**

* **Effect of Codeine Phosphate on Developmental Stages of Forensically Important Calliphoride Fly: Chrysomya albiceps. Hala M. Fathy, Rasha A.H Attia, Doaa A.Yones, \*Hanan E.M.E.Eldeek, Mohammed E. M. Tolba and Maha S.I. Shaheen. Mansoura Journal of Forensic Medicine and Clinical Toxicology vol. XVI (1), 2008:41-59.**
* **Elbadr A, Tolba M, Ibrahim A, Metwally A, Almatary A, zaghlol D. (2009): Studies on trypanosoma evansi in camels in Upper Egypt. egypt Vet Med Soc Parast J, 4 (1) 15- 27.**
* **Elbadr A, Ibrahim A, Tolba M, Metwally A, zaghlol D, Osman R. (2009): Piroplasmosis in farm animals in Upper Egypt governorates. Egypt. egypt Vet Med Soc Parast J, 4 (1) 28- 41.**
* **Yamagishi J, Wakaguri H, Ueno A, Goo YK, Tolba M, Igarashi M, Nishikawa Y, Sugimoto C, Sugano S, Suzuki Y, Watanabe J, Xuan X (2010): High-resolution characterization of Toxoplasma gondii transcriptome with a massive parallel sequencing method. DNA Res. 17(4):233-43.**
* **TudaJ, MonganA, Tolba M, Imada M, Yamagishi J, Xuan X, Wakaguri H, Sugano S, Sugimoto C, Suzuki Y. Full-Parasites: Databases of Full-length cDNAs of Apicomplexa Parasites, Update 2010. Nucleic Acid Research 2011 Jan;39(Database issue):D625-31.**
* **Capillaria philippinensis in Upper Egypt: has it become endemic?Attia RA, Tolba ME, Yones DA, Bakir HY, Eldeek HE, Kamel S. Am J Trop Med Hyg. 2012 Jan;86(1):126-33. doi: 10.4269/ajtmh.2012.11-0321.**
* **Characterization of a novel Entamoeba histolytica strain from Burkina Faso, Africa, possessing a unique hexokinase-2 gene. Suzuki J, Kobayashi S, Imada M, Tolba ME, Takeuchi T. Parasite. 2011 Nov;18(4):287-94.**
* **N-acetylglucosaminyltransferase V-deficiency increases susceptibility to murine malaria. Shibui A, Doi J, Tolba ME, Shiraishi C, Sato Y, Ishikawa S, Watanabe J, Nogami S, Nakae S, Sugano S, Hozumi N. Exp Parasitol. 2011 Nov;129(3):318-21. doi: 10.1016/j.exppara.2011.07.003. Epub 2011 Jul 13**
* **Plasmodium falciparum: differing effects of non-esterified fatty acids and phospholipids on intraerythrocytic growth in serum-free medium. Asahi H, Izumiyama S, Tolba ME, Kwansa-Bentum B. Exp Parasitol. 2011 Mar;127(3):708-13. doi: 10.1016/j.exppara.2010.11.001. Epub 2010 Nov 21.**
* **Molecular factors that are associated with early developmental arrest of intraerythrocytic Plasmodium falciparum. Asahi H, Tolba ME, Tanabe M, Ohmae H. Can J Microbiol. 2013 Jul;59(7):485-93. doi: 10.1139/cjm-2013-0166. Epub 2013 Jun 3.**
* **Screening of novel malaria DNA vaccine candidates using full-length cDNA library. Shibui A, Nakae S, Watanabe J, Sato Y, Tolba ME, Doi J, Shiibashi T, Nogami S, Sugano S, Hozumi N. Exp Parasitol. 2013 Sep 17;135(3):546-550. doi: 10.1016/j.exppara.2013.09.007. [Epub ahead of print]**
* **Giardia lamblia Transcriptome Analysis Using TSS-Seq and RNA-Seq. Mohammed E. M. Tolba, Seiki Kobayashi, Mihoko Imada, Yutaka Suzuki, Sumio Sugano. Research Article | published 07 Oct 2013 | PLOS ONE 10.1371/journal.pone.0076184**
* **Elbadr A, Abdullah A. Hassan, Mohammed E. M. Tolba, Talal H. Alharazi(2012): Studies on trypanosoma evansi in camels in Upper Egypt. egypt Vet Med Soc Parast J, 8 (1) 13- 20.**
* **Perturbation of copper homeostasis is instrumental in early developmental arrest of intraerythrocytic Plasmodium falciparum. Asahi, Hiroko; Tolba, Mohammed Essa Marghany; Tanabe, Masanobu; Sugano, Sumio; Abe, Kazumi et al. (2014) BMC microbiology vol. 14 p. 167.**
* **Interactive transcriptome analysis of malaria patients and infecting Plasmodium falciparum. Yamagishi, Junya; Natori, Anna; Tolba, Mohammed E M; Mongan, Arthur E; Sugimoto, Chihiro et al. (2014) Genome research vol. 24 (9) p. 1433-44**
* **Human Fascioliasis: A Re-emerging Disease in Upper Egypt. Mohamed A. Mekky, Mohammed Tolba, Mohamed O. Abdel-Malek, Wael A Abbas, Mohamed Zidan.** **Am J Trop Med Hyg. 2015 Apr 13. pii: 15-0030. [Epub ahead of print]**
* ***Allovahlkampfia* *spelaea* causing keratitis in humans. Mohammed Tolba, Enas Huseein, Haiam Farrag, Hanan El Deek, Seiki Kobayashi, Jun Suzuki, Tarek Ali, Sumio Sugano. (submitted for publication)**