MANAL KARDOUSH

PROFESSIONAL EXPERIENCE

McGill university, Montreal | 2018
Zagazig & Benha Universities, Egypt | 2002
Benha University, Egypt | 2002-2009 | 2016-2020

Researcher

- Ph. D. researcher, McGill University, Canada.
- M. Sc. researcher., Faculty of Medicine, Zagazig University, Egypt.
- Postdoctoral studies, Faculty of Medicine, Benha University, Egypt.

Assistant Professor of Medical Microbiology

- Benha University, Egypt | 2002-2009 | 2016-2020
- Lectured on Medical Microbiology to postgraduate diplomatic students and undergraduate students, Faculty of Medicine, Benha University.
- Taught Microbiology to Health Technical Institute students, Benha University.

HIGHLIGHTS OF QUALIFICATIONS

Research and Clinical Experience in Medical Microbiology

▪ Experience in teaching at the university level (Medical Microbiology classes for medical students)

▪ More than 7 years of experience in mass spectrometry

▪ Publications in reputable peer reviewed journals in American Journal of Tropical Medicine and Hygiene & Plos one

▪ Experience collaborating in multidisciplinary clinical and research teams

▪ Arabic, English, French (intermediate)

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CERTIFICATION AND LICENSURE

- Licensed physician in Egypt, 2000
- Licensed Microbiologist in Egypt, 2008

UNIVERSITY EDUCATION

PhD.
Research Institute of the McGill University Health Centre,
McGill University, Montreal–Canada |2009-2016
MSc.
Faculty of Medicine, Department of Parasitology, Zagazig University, Egypt
|2003-2005
BSc. Medicine and Surgery
Faculty of Medicine, Zagazig University, Egypt|1994-2000
BSc. Science (Biology)
Faculty of Science, Zagazig University, Egypt |1990-1994

- Title of PhD Thesis: Identification of Candidate Serum biomarkers for Schistosomiasis Infection Using Mass Spectrometric Approaches

URL http://digitool.library.mcgill.ca/thesisfile141353.pdf

- Title of MSC. Thesis: role of specific antiamoebic lectin antibodies in differentiation of Entamoeba histolytica from E. dispar in a seroepidemiological study

AWARDS

- ✦ Benha University award for international publication (1) Egypt |2017
- ✦ Benha University award for international publication (2) Egypt |2017
- ✦ Scholarship for outstanding graduate students, Egypt |2009-2015
- ✦ McGill Graduate Research Enhancement and Travel Award |2013
- ✦ Center for Host-Parasite Interactions (CHPI) Travel Award and GREAT Travel

PRESENTATIONS AND POSTERS

- **Kardoush I. Manal (2013, June).** Identification of candidate serum biomarkers for S. mansoni infected mice using multiple proteomic platforms. Presentation at the 13th Annual Symposium of the Center for Host-Parasite Interactions (CHPI), Quebec.
- **Kardoush I. Manal (2013, February).** Mass spectrometric approaches for the identification of candidate serum biomarkers for Schistosoma mansoni infected mice. Poster presented at the 4th International Meeting on Emerging Diseases and Surveillance - IMED 2013 on February 15-18, 2013 in Vienna, Austria.

PUBLICATIONS

- **Manal I. Kardoush, Brian J. Ward, Momar Ndao (2016)** Identification of Candidate Serum Biomarkers for Schistosoma mansoni Infected Mice Using Multiple Proteomic Platforms. PLoS ONE 11(5): e0154465. doi:10.1371/journal.pone.0154465.
- **Manal Ibrahim Kardoush (2016)** "Recent advances in bioanalytical approaches for biomarker discovery" LAP Lambert Academic Publishing Germany.
- **Manal Ibrahim Kardoush, Brian Ward, Momar Ndao (2017).** Serum Carbonic Anhydrase 1 is a Biomarker for Diagnosis of Human Schistosoma mansoni Infection. American Journal of Tropical Medicine & Hygiene – AJTMH. DOI: https://doi.org/10.4269/ajtmh.16-0021.
- **Nagwa S. M. Aly, Ibrahim R. Bayoumi, Rabab F. Selem, Manal I. Kardoush, Gehan A. Rashed and Ahlam Moharam.** A novel nano magnetic beads dot ELISA immunoassay and its application in the detection of Giardia lamblia coproantigen. Iran J Parasitol: Vol. 13, No.4, Oct-Dec 2018, pp.532-540.

- **Rabab Selem, Samia Rashed, Mohammad Younis, Boshra Hussien, Fatma Mohamed, Awatif Edrees, Asmaa EL-kholy, Gehan Rashed, Shereen Kishik1, Ahlam Moharm, Marwa Nageeb and Manal Kardoush.** A novel green approach for the treatment of immature Schistosoma mansoni infection in mice with; Arabic gum (Acacia senegal); an antischistosomal agent. Vol. 12(29), pp. 436-445, 22 November 2018. DOI: 10.5897/AJPP2018.4968.