

Mohamed Elhag Musa

Sharjah Institute For **Medical Research**
University of Sharjah
Sharjah, U.A.E
alwasilaa@hotmail.com



Provides primary care of routine husbandry and sanitation for medical education and research animals; assists with or performs technical procedures to maintain lab animal health, providing support to PIs, assisting in ensuring compliance with regulatory requirements. In addition, setting up and maintaining a variety of administrative records.

PERSONAL INFORMATION

- Full Name : **Mohamed Elwasila Elhag Musa**
- Date of Birth : **15-02-1978**
- Place of Birth : **Sudan**
- Nationality : **Sudanese**
- Marital Status : **Married**
- Contact # : **+971505941626 , +971507879890**
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WORK HISTORY

04. 2015 - PRESENT

**SHARJAH INSTITUTE FOR MEDICAL RESEARCH,
UNIVERSITY OF SHARJAH (SHARJAH)**
Laboratory Animal Technician

- Establishing a new Animal Facility in University of Sharjah, that serves the medical research field.
- Perform daily animal husbandry related tasks for all animal species, including but not limited to: feeding/watering animals, dirty bedding changing, sanitation duties, Operating cage wash equipment, autoclaving equipment and maintaining animal housing/census records.
- Breeding different types of experimental animals, such as:
a. Mice (C57/B6, Balb/c, Ko, To, Nude & etc.) b. Rats (Wistar, SD, DA, Zuker & etc.) c. Guinea pigs d. Rabbits e. Frogs
- Monitors and records health and physical condition of animals, facility environment and provide health observations and treatments under veterinary guidance.
- Maintain appropriate logs, forms and cage card information.
- Administering prescribed medications/treatments/ diets (by injections – orally)
- Provides research support to investigators as required, including but not limited to: transporting animals, weighing

animals, marking animals and collecting samples/specimens.

- Follow up and record all the observations during the experiment period & Prepare detailed reports with the results.
- Performs general animal facility and maintenance tasks as directed, including but not limited to: general housekeeping of all animal facility support areas, and performing scheduled equipment preventive maintenance.
- Inventory management, receiving goods, stocking supplies and purchasing orders. Dispose of animal carcasses & medical waste following SOPs.

01. 2005 – 04. 2015

**COLLEGE OF MEDICINE AND HEALTH SCIENCES,
U.A.E. UNIVERSITY (AL AIN)**
Laboratory Animal Technician

- Perform daily animal husbandry related tasks for all animal species, including but not limited to: feeding/watering animals, dirty bedding changing, sanitation duties, Operating cage wash equipment, autoclaving equipment and maintaining animal housing/census records.
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- Performs general animal facility and maintenance tasks as directed, including but not limited to: general housekeeping of all animal facility support areas, and performing scheduled equipment preventive maintenance.
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- Dispose of animal carcasses & medical waste following SOPs.

04.2002 – 12.2004

FALCON VET. CLINIC & LABORATORIES (DUBAI)
Laboratory Technician

- Blood test for racing Horses and Camels
- Blood culturing
- Bacterial culturing
- Bacterial Identification using API system
- Sensitivity tests

QUALIFICATIONS

BACHELOR DEGREE IN SCIENCE (B.SC.)

- Major : **Biology**
- Dates from-to : **1997-2001**
- Institute : **College of Science, UAE University**

CERTIFICATES

06-2019	Training for the Animal Imaging system XRMS
11-2017	Healthcare Waste Management Training Awareness Program
06-2015	American Association for Laboratory Animal Science (AALAS) Certificate (ALAT)
06-2007	ICDL (INTERNATIONAL COMPUTER DRIVING LICENCE)

WORKSHOPS / CONFERENCES & AWARDS

- Appreciation and Gratitude for Job Performance (University of Sharjah- May 2019)
- Radiation Safety and Biological Waste (workshop)
- Biostatics (workshop) International Conference (Recent Advances in Clinical Oncology).
- International Conference (Recent Advances in Clinical Oncology).

SKILLS

- Handle laboratory animals and recognize abnormalities
- Perform repetitive tasks quickly and efficiently
- Work as a team member
- Work in a confining environment
- Accurately record and calculate numbers
- Knowledge of principles, practices, and procedures of laboratory testing
- Ability to operate standard laboratory equipment
- Knowledge of safe laboratory practices
- V. Good experience with different computer Programs (all Windows & MS Office), software, Internet & Intranet.

LANGUAGES

- Arabic(reading, writing & speaking)
- English(reading, writing & speaking)

PUBLICATIONS

- 1) **Orexin-1 Receptor Co-Localizes with Pancreatic Hormones in Islet Cells and Modulates the Outcome of Streptozotocin- Induced Diabetes Mellitus.** Ernest Adeghate^{1*}, Maria Fernandez- Cabezudo², Rashed Hameed¹, Hussain El-Hasasna³, Mohamed El Wasila⁴, Tariq Abbas⁵, Basel al-Ramadi³
- 2) **Oral Administration of TNF α -Expressing Salmonella Inhibits Melanoma Cell Growth and Prolongs Host Survival Independent of Intra-Tumoral Bacterial Accumulation.** (Hussain Elhasasna, Maria J. Fernandez-Cabezudo, Mohamed Elwasila, Suhail Al- Salam, Guhada Bashir, Salem Chouaib, and Basel K. Al-Ramadi)
- 3) **Early pulmonary events of nose-only water pipe (shisha) smoking exposure in mice.** (Abderrahim Nemmar, Ahmed Al Hemeiri, Naser Al Hammadi, Priya Yuvaraju, Sumaya Beegam, Javed Yasin, Mohamed Elwasila, Badreldin H. Ali, Ernest Adeghate. Physiological Reports Published 16 March 2015 Vol. 3 no. e12258 DOI: 10.14814/phy2.12258
- 4) **Attenuated EAN in TNF- α deficient mice is associated with an altered balance of M1/M2 macrophages.** (Basel K. al-Ramadi , Maria J. Fernandez-Cabezudo , Hussain El- Hasasna , Suhail Al-Salam , Samir Attoub , Damo Xu , and Salem Chouaib. (We thank Ms. Ghada Bashir and Mr. Mohamed Elwasila for excellent technical assistance.)
- 5) **Evaluation of the pulmonary effects of short-term nose-only cigarette smoke exposure in mice.** Nemmar A, Raza H, Subramaniyan D, John A, Elwasila M, Ali BH, Adeghate E. Exp Biol Med (Maywood). 2012 Dec;237(12):1449-56. doi: 10.1258/ebm.2012.012103. PMID:23354403

REFERENCES

- Prof. Taleb H. Altel (Director of the RIMHS)University of Sharjah, P.O.Box 27272,
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- Prof. Abdu Adem (Professor and chair, Department of Pharmacology and Therapeutics)
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- Prof. Ernest Adeghate (Professor of and chair, Department of Anatomy)j
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- Dr. Mahmood Haj Ali (Vet. Doctor, Department of Pharmacology and Therapeutics)
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