

Hoda Elkhenany

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Profession & Education

Alexandria University

September 2009-Present

Lecturer in department of surgery, faculty of veterinary medicine.

University of Tennessee

Sept. 2013- Sept. 2015

Visiting scholar and member of laboratory of regenerative medicine, depart. Of Large Animal Clinical Sc., Collage of veterinary medicine.

- Lecturer, Department of surgery, Faculty of veterinary medicine, Alexandria University, Egypt. **December 2015- Present**
- Assistant lecturer, Department of Surgery, Faculty of Veterinary Medicine, Alexandria University, Egypt. **November 2011- December 2015**
- Demonstrator, Department of surgery, Faculty of veterinary medicine, Alexandria University, Egypt **March 2009- November 2011**
- PhD degree (PhD), thesis entitled "entitled "Effect of adult mesenchymal stem cells on bone healing in animal model" at Faculty of Veterinary Medicine, Alexandria University, Egypt. **November 2015**
- Master degree (MS), Thesis entitled "Evaluation of sedative and analgesic effect of Xylazine, Detomidine and Butorphanol referring to their reversal with some alpha 2 antagonist in donkeys" at Faculty of Veterinary Medicine, Alexandria University, Egypt. **October 2011**
- B.V.SC, Grade very good with honor, Faculty of Veterinary Medicine, Alexandria University, Egypt. **May 2008**

Projects

- **(2015)** Preclinical animal models to test stem cells and biomaterials in bone tissue engineering.
- **(2014)** In vivo imaging of goat adult MSCs in a rat model of cortical bone defect.
- **(2014)** An in vivo preliminary study evaluating the effects of mesenchymal stem cells in speeding regeneration of transected peripheral nerves of horses
- **(2014)** Imaging of equine adult mesenchymal stem cells in vivo.
- **(2014)** Isolation of fat-derived goat stem cells
- **(2013)** Bone tissue engineering using novel nanoparticles and adult mesenchymal stem cells.
- **(2011- 2012)** Feasibility of the veterinary therapeutic and guided field trips on the educational effectiveness and community service.

List of publication

- **Hoda Elkhenany**, Shawn Bourdo, Alexandru Biris, David Anderson, Madhu Dhar. Important considerations in the therapeutic application of stem cells in bone healing and regeneration. Chapter 23 in Stem Cells in Toxicology and Medicine, John Wiley & Sons, Ltd, DOI: 10.1002/9781119135449.ch23 (2016).
- **Hoda Elkhenany**, Lisa Amelse, Marc Caldwell, Ramadan Abdelwahed, and Madhu Dhar. Impact of the source and serial passaging of goat mesenchymal stem cells on

osteogenic differentiation potential: implications for bone tissue engineering, Journal of Animal Science and Biotechnology - DOI: 10.1186/s40104-016-0074-z (2016).

- **Elkhenany Hoda**, Lisa Amelse, Andersen Lafont, Marc Caldwell, Alexandru Biris, David Anderson and Madhu Dhar. Graphene supports in vitro proliferation and osteogenic differentiation of goat adult mesenchymal stem cells: potential for bone tissue engineering. Journal of Applied toxicology. DOI: 10.1002/jat.3024 (2015).
- Abdel-Wahed RE, El-Kammar MH, Abu-Ahmed Howaida and **ElKhenany Hoda** (2011): ANTAGONISM OF XYLAZINE – BUTORPHANOL COMBINATION IN DONKEYS USING TOLAZOLINE / ATIPAMEZOLE. ALEX. J. VET. SCIENCE 2011 VOL. 34 NO.1

RESEARCH PRESENTATIONS/ ABSTRACTS

- Stem cells regenerative effect on bone cyst like defect. NAVRMA conference, At silomar, Monterey, California, USA. **June 2015 (poster presentation)**
- Graphene and stem cell combination for bone tissue regeneration: In vitro to in vivo. Comparative & Experimental Medicine and Public Health (CEMPH) Research Symposium, Knoxville, TN, USA. **May 2015 (oral presentation)**
- Graphene based scaffold for stem cell delivery in cortical bone defect: A preliminary study. Biomaterial day, Nashville, TN, USA. **March 2015 (poster presentation)**
- The role of graphene in bone tissue engineering. CEMPH Research Symposium, Knoxville, TN, USA. **May 2014 (oral presentation)**
- Graphene Films enhance the osteogenic differentiation of goat bone marrow derived mesenchymal stem cells .The institute of Biomedical Engineering (iBME) Research Symposium. **April 2014 (Poster presentation)**
- Graphene based nanocomposite scaffolds for bone tissue engineering. International regenerative medicine and north American Regenerative Medicine Association. Atlanta, GA, USA. **November 2013 (poster presentation)**

Training courses

- **(19th – 22th September, 2016)** Nanotechnology in scientific research: preparation and characterization of nanoparticles workshop, at CBRS, faculty of veterinary medicine, Cairo University, Egypt.
- **(28th April 2016)** Diabetes Mellitus in Dogs and Cats, one hour of continuing education credit, Merck Animal Health eLearning through VetMedTeam courses.
- **(15th – 16th December, 2015)** Principles and applications of flow cytometry workshop, center of excellence and molecular medicine in collaboration with oncology diagnostic unit, Faculty of medicine, Suez canal University, Egypt.
- **(2nd- 3rd November, 2015)** Training Course "Research team management", Faculty and Leadership Development Center (FLDC), Alexandria University, Alexandria, Egypt.
- **(12th- 13th October, 2015)** Training Course "E- learning", Faculty and Leadership Development Center (FLDC), Alexandria University, Alexandria, Egypt.
- **(8th October, 2013)** Chemical Hygiene and Laboratory Safety Training, Collage of veterinary medicine, Tennessee University.
- **(2nd- 4th July, 2013)** Training workshop "How to develop a project proposal" organized by Alexandria Research center for Adaptation (ARCA).
- **(15th – 16th October, 2011)** Training Course "International publishing of scientific research", Faculty and Leadership Development Center (FLDC), Alexandria University, Alexandria, Egypt.
- **(13th-15th October, 2009)** Training Course "Research Methods", Faculty and Leadership Development Center (FLDC), Alexandria University, Alexandria, Egypt.
- **(2009) International computer driving license (ICDL).**
- **(2006)** DNA extraction and PCR workshop (microbiology department, Faculty of veterinary medicine, Alexandria university, Egypt).

References

Madhu Dhar

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