

CURRICULUM VITAE

Personal details

Sur name: Elgamal

First name: Dalia

Second name: Abdo

DATE and PLACE of BIRTH: 10/02/1974, Assiut, Egypt.

Nationality: Egyptian.

Religion: Moslem.

Social status: Married with three children.

Current Address: Home: Nile tower, El-Helaly st., Assiut.Egypt.

Tel (home): (002) 0882301925 (Mobile): (002) 01003343040

Work: Department of Histology ,Faculty of Medicine. Assiut University. Assiut, Egypt

Tel. (+2)0882411793 ,(+2)0882411789

Mailing Address: Department of Histology ,Faculty of Medicine. Assiut University.
Assiut, Egypt

E-Mail: delgamal@aun.edu.eg

delgamal1974@yahoo.com

delgamal197462@gmail.com

LANGUAGES: Arabic: mother language

English: very good command (Toeful record 567,2003)

QUALIFICATIONS

1. M.B.B.Ch: Bachelor of Medicine and Surgery; September 1997, Faculty of Medicine, Assiut University

Grade: Very good with honor degree.

2. M.Sc:

Basic Medical Sciences (Histology). December 2002, Faculty of Medicine, Assiut University

Grade: Excellent



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Title of Thesis: Age related histological and histochemical changes of albino rat intestinal mucosa and gender variability

3. Ph.D:

Histology.

July 2007, Faculty of Medicine, Assiut University.

Title of Thesis: The prophylactic effect of Melatonin on the histology and Ultrastructure of the cerebellum in lead acetate toxicity of male albino rats.

PAST APPOINTMENTS:

1. Rotating intern: Assiut University Hospitals(1998-1999)
2. Demonstrator, Histology department, Faculty of Medicine, Assiut University (1999-2002)
3. Assistant lecturer , Histology department , Faculty of Medicine, Assiut University (2002-2007)
4. Lecturer , Histology department , Faculty of Medicine , Assiut University (2007-2013)
5. Associate Professor, Histology department , Faculty of Medicine , Assiut University (2013-2019)

PRESENT ACADEMIC APPOINTMENT

Professor of Histology_Faculty of Medicine, Assiut University (2019-present)

TEACHING EXPERIENCE

Undergraduate courses: General Histology, Cytology, Special Histology for medical pharmacy and dentistry students.

Postgraduate courses: Lectures and seminars on histology of cytology and special histology for master's or PhD degrees.

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PROFESSIONAL MEMBERSHIP

- Member of the local ethical committee, Assiut Faculty of Medicine
- Member of the Egyptian Society of Histology and Cytology.
- Member of Egyptian Society for Progenitor Cell Research (ESPCR)
- Member of Reproductive Sciences Research Center in Assiut University
- Reviewer in Journal of Current Medical Research and Practice

RESEARCH TRENDS

I am paying a major concern to basic researches that may lead to possible / definite improvement in health services and decreasing disabilities, morbidity and mortality. eg. Studying male and female infertility at cellular and molecular basis using experimental trials

*Studying the state of oxidative stress and the possible effect of natural antioxidant therapy in combating this state.

* Studying stem cell isolation, differentiation as a new trend in regenerative medicine.

*Using the most updated histological and molecular techniques for achieving research aim.

SKILLS

- Computer skills; using Microsoft word, excel, power point and Internet.
- Good experience in Histological techniques, immunohistochemistry, tissue culture, Stem cell research, molecular biology.
- Good use of transmission and scanning electron microscopy.
- Good experience in designing experimental and clinical trials in laboratory animals.
- E-Learning and Skills of Good Presentation

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- Sharing in editing books: *Histology for medical students (Part I and II)
 - * Handouts of medical Histology for Pharmacy Students.
 - *Handouts of medical Histology for dentistry students.

TRAINING ACTIVITIES

- Training course in electron microscope TEM, SEM, Faculty of Medicine , Assiut University 2004
- Workshop on upgrading knowledge and skills in molecular biology for postgraduates April 2006.
- Workshop on Stem Cell isolation and differentiation Techniques at Cairo University, medical biochemistry department April 9-10 2014
- Workshop on Hands on The basic techniques used in Molecular biology .Medical Technology center, Alexandria University 23-20 October 2014.
- Workshop on Conventional and real time PCR (Experiment design and diagnostic applications). Molecular Biology and Cell culture Unit. Assiut University 29 th Nov-1st Dec 2014
- Workshop on Organ Bioengineering Workshop in the Egyptian Society for Progenitor Cell Research March 2015
- Workshop on From SDS PAGE to Western Blot at Medical research Center Assiut University 13-14 Sep. 2017
- Workshop on Cultivation of mammalian cells :Primary cultures as a Tool in life Science Research Molecular Biology and Cell culture Unit November 2017
- Workshop on "Training course in Image J, SPSS and EndNote programs"" February at Histology Department Assiut University 2019
- Application of Nanotechnology in Drug Delivery System and Biomedical Medical Technology center, Alexandria University February 2019

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- Training course in electron microscope TEM, SEM at Theodor Bilharzi research institute .Cairo Importance Of Electron Microscopy from the Point of View Of Specialists , April2019

Faculty and Leadership Development *programs*

- Training program in ethics of scientific research Feb,2008, Faculty and Leadership development center, Assuit University
- Training program in Quality assurance teaching process, Feb2008, Faculty and Leadership development center, Assuit University.
- Training program in exams and student assesement ,September 2007, Faculty and Leadership development center, Assuit University.
- Training program in credit hour system June 2009, Faculty and Leadership development center, Assuit University
- Training program in E-learning April 2009, Faculty and Leadership development center, Assuit University
- Training program in Strategic planning July 2009, Faculty and Leadership development center, Assuit University.
- Workshop Basics in Biotechnology , April-2011, Faculty of Medicine, Ain-Shams University
- Training program in the use of information technology in teaching 2014 Faculty and Leadership development center, Assuit University.
- Statistical analysis in scientific research 2016
- Effective presentation2016
- How to compete for a research Fund 2015
- E Learning (Advanced)2015
- Use of technology in teaching2014
- Research Team Management 2014

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ATTENDED CONFERENCES

- December 2007: the 31st conference of the Egyptian society of Histology and Cytology, Faculty of Medicine, Cairo University, Egypt. **(Poster)**
- December 2008: the 32nd conference of the Egyptian society of Histology and Cytology, Faculty of Medicine, Zagazig University, Egypt. **(Poster)**
- March 2008: 26th annual Conference of Faculty of medicine Assiut University.
- December 2009: the 33rd conference of the Egyptian society of Histology and Cytology, Faculty of Medicine, Mansoura University, Egypt.
- December 2010: the 34th conference of the Egyptian society of Histology and Cytology, Faculty of Medicine, Menofia University, Egypt. **(Poster)**
- September 2012: 54th Symposium of the Society for Histochemistry Imaging development tracking cells in order and disorder Sept 5th – Sept 8th 2012 Vienna, Austria **(Poster)**
- December 2013: the 37th conference of the Egyptian society of Histology and Cytology, Faculty of Medicine, Alexandria University, Egypt.
- -December 2014: the 38th Scientific Conference of Egyptian society of Histology and Cytology, Shams University.
- August 2015: 17th International Conference on Microscopic and Macroscopic Anatomy, Barcelona, Spain **(oral presentation)** Title Isolation, Characterization and Myogenic Differentiation of Synovial Mesenchymal Stem Cells .
- August 2015: 17th International Conference on Microscopic and Macroscopic Anatomy, Barcelona, Spain **(oral presentation)** Cross Talking Between Somatic Cells and Immune Cells in Testicular Interstitium of Azoospermic Men
- -February 2016: Annual Conference of Egyptian Society for Progenitor Cell Research “Stem Cell Therapy: Facing New Challenges”
 - -December 2017: the 41st Annual International Conference of Histology & Cytology (Regenerative Medicine & Cell Transplantation), Cairo University, Egypt .

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- April 2017: the 31 st Annual Conference of the Faculty of Medicine, Assiut, Egypt. Spotlights on Assiut Faculty of Medicine Collaborative Work with other Societies”
- December 2017: the 42nd Annual International Conference of Histology & Cytology In Cairo university
- November 2018: 2nd Annual Summit on Cell Therapy and Regenerative Medicine >Atlanta, Georgia, USA **Oral presentation** Title: Sodium butyrate, a histone deacetylase inhibitor, as a novel agent in treatment of juvenile diabetic rat: a histological and molecular study on pancreas

PUBLICATIONS

- 1. A Comparative Histological and Biochemical Study On The Use Of Vitamins C, E and Alpha -Lipoic acid Either Separately Or In Combination on Acute Hepatic Toxicity With Malathion.** Egypt. J. Histol. Vol. 32, No.1, June, 2009 .Dalia Abdo El-Gamal ,Hala M Fathy*, Nagwa M Ghandour* , , and Mona A Elbaz**
- 2. Effect Of Cisplatin On The Cerebellar Cortex And Spinal Cord Of Adult Male albino Rat And The Possible Role Of Vitamin E: Light And Electron Microscopic Study** Egypt. J. Histol. Vol. 33, No.2, June, 2010 Amal T. Abou-Elghait, Dalia A. El-Gamal, Amal R. Abdel-Sameea** and Amal A. Mohamed**
- 3. Evaluation Of The Role Of Garlic On The Structure Of Liver And Gastric Mucosa In Aged Male Albino Rat: A Histological And Histochemical study** Egypt. J. Histol. Vol. 32, No.1, June, 2009 .Hemmat Haredy Ghafeer, Dalia Abdo El-Gamal, Safaa A. Abdel-Maksoud and Fatma Yasseen Abdel Motagally
- 4. Effect of Fluoride on Rat Cerebellar cortex: Light and Electron Microscopic Studies**Egypt. J. Histol. Vol. 33, No.2, June, 2010 Heba M. Saad El-Dien, Dalia A.El Gamal ,Heba A. Mubarak and Samira M. Saleh
- 5. Effect of sildenafil (Viagra) on epidermal growth factor expression in submandibular gland of diabetic male rats: histological and immunohistochemical study.**Egypt J Histol 34:403–414, June 2011 .Dalia Abdo El-Gamal, Abeer Alrefaiy Mohamed, Safaa A. Abdel-Maksoud and Mohsen A. Moustafa

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6. **Effect of green tea on aged rat skeletal muscle: a light and electron microscopic study.** *Histology Department, Faculty of Medicine, Assiut University Egypt. J. Histol. Vol. 35, 2012: 304-314* Dalia Abdo El-Gamal and Salwa Fares Ahmed
7. **Histological changes in adult rat pancreas upon chronic administration of aspartame.** *Histology Department, Faculty of Medicine, Assiut University. Egypt. J. Histol. Vol. 35, 2012: 883-891* Dalia A. El-Gamal and Hemmat H. Ghafeer
8. **A Microscopic and Biochemical Study on Gender Related Effects of Artichoke on Gall bladder Mucosa of Mice Fed High Fat Diet.** Dalia Abdo El-Gamal & Sally Mohamed Bakar*Departments of Histology and Medical Biochemistry*. Faculty of Medicine, Assiut University.Orally presented and Accepted in the 36th Scientific Annual Conference of the Egyptian society Of Histology and Cytology held at Cairo University, December 2012.
9. **Effects of chronic tramadol administration on testicular tissue in rats: an experimental study.** R. B. Abdellatief¹, D. A. Elgamal² & E. E. M. Mohamed, *Andrologia* 2014, xx, 1–6
10. **Structure of the secretory cells of male and female adult guinea pigs Harderian gland.** Ola A. Hussein, Dalia A. Elgamal, Sanaa A.M. Elgayar. *Tissue and Cell* 47 (2015) 323–335
11. **Histological study of human abdominal skin after repeated pregnancy** Hemmat H. Ghafeera, Dalia A. El-Gamala, Nashwa A. Mohameda and Ahmed I. Hassaninb .*The Egyptian Journal of Histology*, Volume 38, Number 1, March 2015, pp. 41-56
12. **Ultrastructural Features of Eutopic Endometrium in a Rat Model of Endometriosis.**Dalia A. Elgamal , Essam-Eldin Rashad Othman (MD) and Salwa Fares Ahmed *J Microsc Ultrastruct.* 2016 Jan-Mar; 4(1): 20–27
13. **Identification and potential role of telocytes in human uterine leiomyoma** Essam R. Othman, Dalia A. Elgamal, Abeer M. Refaiy, Ibraheem I. Abdelaal, Asmaa F. Abdel-Mola and Ayman Al-Hendy. *Contraception and Reproductive Medicine* July 2016 1:12

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14. Bisphenol A concentrates preferentially in human uterine leiomyoma and induces Proliferation in rat myometrium

Essam R. Othman, Dina M. M. Al-Adly ,Dalia A. Elgamal, Nagwa Ghandour and Sawsan El-Sharkawy. Reproductive Sciences (2016); 23(4): 508-514.

15. Histological alterations in Leydig cells and macrophage in azoospermic men

A. M. Mahran,**D. A. Elgamal**,H. H. Ghafeer, S. A. Abdel-Maksoud,A. A. Farrag.
Andrologia 2016; 1-7

16. Histological, Immunohistochemical and Morphometric study of Peritubular cells and Mast Cells in Testicular Interstitium of Azoospermic Men. Dalia

A.Elgamal, Hemmat H.Ghafeer, Safaa A.Abdel-Maksoud , Ali M. Mahran and Alshaimaa A.Farag. The Egyptian Journal of Histology. 39(4):329–340,
DECEMBER 2016

17. Suture versus fibrin glue microneural anastomosis of the femoral nerve in Sprague Dewly rat model. a comparative experimental assessment of the clinical, histological and statistical features.

Adel M, **Abdo Elgamal D**, Bakry R, Abdelkader M, Elshazly M, Kamel A. Acta Chir Plast. Fall 2017; 59(2):65-71

18. Ultrastructural effects of silicone oil on the clear crystalline lens of the human eye. Wael Soliman, Mohamed Sharaf, Khaled Abdelazeem, **Dalia El-Gamal** and Allam Nafady. European journal of ophthalmology2018- Volume: 28 issue: 5, page(s): 566-572

19. Reno-protective effects of ursodeoxycholic acid against gentamicin-induced nephrotoxicity through modulation of NF- κ B, eNOS and caspase-3 expressions

Tarek Hamdy Abd-Elhamid, **Dalia A.EL gamal**, Safaa S. Ali, Fares E. M. Ali, Emad H. M. Hassanein, Ehab A. M. El-Shoura, Ramadan A. M. Hemeida.Cell Tissue Res. 2018 Nov; 374(2):367-387

20. Isolation, Characterization and Myogenic Differentiation of Synovial Mesenchymal Stem Cells. Fatma Y. Meligy, **Dalia A. Elgamal**, Nashwa

A.M.Mostafaand Ayat A.Sayed.Journal of medical histology.Article 3,vol.2,Issue 1
June 2018. p29-38

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- 21. Macrophage Migration Inhibitory Factor Gene Polymorphisms (MIF-173CC) Genotyping in Patients with Cardiac Dysfunction: Relationship to Diabetes Mellitus.** Abdelsabour M, Idriss NK, Mohamed NA, Osama AM, Gaber MA, Alfarash A, Saad K and **Elgamal DA**, International Journal of Cardiovascular Research 2018 Int J Vol: 7 Issue: 4
- 22. Nicotine-induced oxidative stress alters sciatic nerve barriers in rat through modulation of ZO-1 & VEGF expression.** Manal M. Sayed, Dalia A. Elgamala, Alshaimaa A. Farrag, Asmaa M.S. Gomaa. Tissue and Cell 60 (2019) 60–69
- 23. Testing alternatives: the use of adipose-derived mesenchymal stem cells to slow neurodegeneration in a rat model of Parkinson’ s disease** Fatma Y. Meligy, Dalia A. Elgamal, Eman S. H. Abd Allah, Naglaa K. Idriss, Nagwa M. Ghandour, Ehab M. R. Bayoumy, Azza Sayed Abdelrehim Khalil, Mohamed M. El Fiky, Mostafa Elkhashab . Molecular Biology Reports August 2019
<https://doi.org/10.1007/s11033-019-05018-9> PP1-18
- 24. Experimental obesity and diabetes reduce male fertility: Potential involvement of hypothalamic Kiss-1, pituitary nitric oxide, serum vaspin and visfatin** MR Abdel-Fadeil, ESHA Allah, HM Iraqy, **DA Elgamal**, MA Abdel-Ghany. Pathophysiology, 2019
- 25. Ultrastructure characterization of pancreatic β -cells is accompanied by modulatory effects of the HDAC inhibitor sodium butyrate on the PI3/AKT insulin signaling pathway in juvenile diabetic rats.** Dalia A. Elgamal, Amal T. Abou-Elghait, Asmaa Y. Ali, , Marwa H. Bakr. Molecular and Cellular Endocrinology. Volume 503, 1 March 2020, 110700
Orally presented and Accepted in 2nd Annual Summit on Cell Therapy and Regenerative Medicine November 9-10, 2018, Atlanta, Georgia, USA
- 26. Ursodeoxycholic acid abrogates gentamicin-induced hepatotoxicity in rats: role of NF- κ B-p65/TNF- α , Bax/Bcl-xl/Caspase-3, and eNOS/iNOS pathways.** M., Hassanein E. H. M., Bakr A.G., El-Shoura E. A. M., El-Gamal, A.D, Mahmoud, A.R. and Abd-Elhamid, T.H. Life Sciences 254 (2020) 117760
(<https://doi.org/10.1016/j.lfs.2020.117760>)
- 27. Is There a Feasible Link between Vitamin D Receptor Genotypic and Allelic Frequencies with Analytical Biomarkers of Rheumatoid Arthritis Disease?** Naglaa K Idriss , Zahraa I Selim , Eman H El-Hakeim , Fatma H El Nouby , Ahmed K Ibrahim , Hayam G Sayyed , Dalia A Elgamal , Maggie A Ibrahim , Doaa Kamal , Samar H Goma . J Nutr Sci Vitaminol (Tokyo) 2020;66(6):526-535. doi: 10.3177/jnsv.66.526.

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Supervision of thesis:

1-The role of interstitial tissue of human adult testis in spermatogenesis: a histological, ultrastructural, and immunohistochemical study. (PhD)

2-The Spiny Mouse (*Acomys Cahirinus*) Skin as a Rodent Model for Human Skin Research: Comparative Histological Study (Master's).

3-Sub chronic toxic effect of Bisphenol A on reproductive system of adult female albino rats and detection of its level in human uterine leomyoma in assuit maternity hospital (Master's).

4- Impact of obesity on male fertility: role of noval adipokines in adult male obese rat (PhD)

5- Suture versus fibrin glue microneural anastomosis of the femoral nerve in Sprague Dewly rat model. a comparative experimental assessment of the clinical, histological and statistical features(Master's).

6-Sodium butyrate, a histone deacetylase inhibitor, as a novel agent in treatment of juvenile diabetic rat: A histological and molecular study on pancreas (PhD)

7- Effect of Diosmin on Cisplatin induced toxicity in seminal vesicle and prostate of adult male albino rats: Histological and imunohistochemical study (Master's ongoing study).

8- Histological and molecular evaluation of the role of autologous platelet-rich plasma versus fractional carbon dioxide laser in treatment of vitiligo patients (Ph.D)