

ALI DAVARIAN

Washington University in St. Louis
Dept. of Biochemistry and Molecular Biophysics
660 S. Euclid Ave., Box 8231
St. Louis, MO 63110,USA

E-mail: davariana@biochem.wustl.edu
Tel: +1(314)-397-5875

Personal details

Iranian; Male; Born in 1982.

Education

2002 – 2008 The Golestan University of Medical Sciences, Faculty of Medicine
Gorgan, Iran
Doctor of Medicine degree

Honors & Awards

2012 **Veteran Referee**, 13 Annual Research Congress of Iran's Medical Sciences Students, October 2012, Iran

2010 **Bursary award** for Poster presentation, Worldpharma 2010 congress, July 2010 Denmark

2009 Considered as "**Prominent Researcher**" By National Committee of Students' Research, Department of Research and Technology, Iranian Ministry of Health and Medical Education, Iran.

2009 **Executive Secretary** of The First National Congress on Procreation of Medicinal Plants and Industrial products, 4-5 March 2009, Golestan University of Medical Sciences

2008 Awarded the Faculty of Medicine **Third** best graduated student award by the Golestan University of Medical Sciences

2008 **Excellence** of Thesis of Doctor of Medicine considered by Faculty of Medicine, Golestan University of Medical Sciences.

2008 Design and Develop a new device for induction of heatstress in experimental Animals, National Patent No.49361

2006-2008 Considered as a "**Talented student**" by Department of Educational Affairs, Golestan University of Medical Sciences, Gorgan, Iran.

2005-2008 Development of Animal surgical lab, Golestan Cardiovascular Research Centre

2003-2008 Awarded the Golestan University of Medical Sciences annual awards for the **Best medical student of the year**

2004-2008 Awarded the Deputy of Research annual awards for the **Best Researcher of the year**, Golestan University of Medical Sciences, Iran

2002 Awarded the 4th National medical students congress award for the **Best**

Oral Presentation, Hamedan University of Medical Sciences, Iran

Clinical Experience

2010	General Practice , Dr.Mousavi's Hospital, Emergency Department, Gorgan, Iran
2009-2010	General Practice , Gorgan International Airport Medical Clinic
2008-2010	General Practice , Farabi Clinic, Gorgan, Iran
2006-2008	Internship , 5th azar Medical Centre, Gorgan, Iran

Membership

2007-2010	Member , Golestan Cardiovascular Research Center(GCVC), Golestan University of Medical Sciences, Gorgan, Iran
2007-2010	Member , Gorgan Congenital Malformations Research Center, Golestan University of Medical Sciences, Gorgan, Iran
2008	Member , Students' committee, Center of development of Medical Education (EDC), Department of Educational Affairs, Golestan University of Medical Sciences, Gorgan, Iran

Research Projects

2010

Assessment of chronic effect of cirrhosis on electrophysiological properties of atrioventricular node in isolated double-perfused model of rat heart. Golestan Cardiovascular Research Center(GCVC), Golestan University of Medical Sciences, Gorgan, Iran (Under consideration)

2009

Assessment of cardioprotective effects of heat stress through alterations of endogenous hydrocortisone in the rabbit model of ischemia-reperfusion. Grant No. G. P. 35. 719. Golestan Cardiovascular Research Center(GCVC), Golestan University of Medical Sciences, Gorgan, Iran

2007

Assessment of the acute effect of Hydrocortisone succinate administration in cardiac preconditioning. Grant No. G. P. 35. 2212. Golestan Cardiovascular Research Center(GCVC), Golestan University of Medical Sciences, Gorgan, Iran

2005

Setting up the Experimental Model of Hypercholesterolemia induced by high fat diet in Rabbit. . Grant No. G. P. 35. 2586. Department of Research, Golestan University of Medical Sciences, Gorgan, Iran

2004

The study on effect of formaldehyde exposure on rat liver. Grant No. G. P. 35. 2596. Department of Research, Golestan University of Medical Sciences, Gorgan, Iran

The study on effect of formaldehyde exposure on rat kidney. Grant No. G. P. 35. 2595. Department of Research, Golestan University of Medical Sciences, Gorgan, Iran

2002

The study on effect of formaldehyde exposure on rat tracheal epithelium. Grant No. G. P. 35. 2937. Department of Research, Golestan University of Medical Sciences, Gorgan, Iran

Publications

2012

Dahmardehei M, Khazaei A, Narouie B, Zakeri Z, Komeili G, Rajabi A, et al. Spirometric indices of patients following laparotomic or laparoscopic cholecystectomy: A comparison study. *Life Science Journal*. 2012;9(3):1421-5.

Teimoori B, Khoshfetrat M, Beyrami F, Sakhavar N, Dehbashi Z, Narouie B, et al. Propranolol decreases the post-operative pain and analgesic administration following abdominal hysterectomy. *Life Science Journal*. 2012;9(3):1216-20.

Jahantigh, M., Narouie, B., Sheikhi Ghayur, E., **Davarian, A.** Correlation between frequency of P53 and P21 proteins with pathological parameters in colorectal adenocarcinoma. *Journal of Babol University of Medical Sciences*, 2012; 14(2), 47-52.

2010

Khori V., Alizadeh F., Aminosariyeh S., Pourabouk M., Nayebpour M., Salehi A., Shirafkan A., Saleki S., Badaghabadi F., **Davarian A.** Protective effects of simvastatin on atrioventricular-node during simulated experimental atrial fibrillation in vitro. *Physiology & Pharmacology Journal* 2010 (Accepted Manuscript for Publish) (National Journal)

Khori V., **Davarian A.**, Nayebpour Saleki S., Salehi A., Shirafkan A., Badaghabadi F., M., Pourabouk M., Alizadeh A. Effect of endogenous Nitric Oxide modulation on basic and rate-dependent electrophysiologic properties of AV-node in isolated rabbit' heart : The potential role of adrenergic and cholinergic receptors. *Physiology & Pharmacology Journal* 2010; 1(14) :12-22.

Khori V., **Davarian A**, Nayebpour M. Altered levels of nodal excitability by rate-dependent inhibitory effects of essential oil of Citrus aurantium on the electrophysiological properties of isolated perfused rabbit AVNode: Protective role in the prevention of Ouabain toxicity. *Int. J. Morphol.* 2010;28(2):445-51.

Davarian A, Khori V. Cardioprotective effects of exogenous and endogenous hydrocortisone in the rabbit model of ischemia-reperfusion. *Int. J. Morphol.* 2010;28(3):653-8.

2009

Golalipour MJ, Azarhoush R, Ghafari S, **Davarian A**, Fazeli SA. Can formaldehyde exposure induce histopathologic and morphometric changes on rat kidney? *Int. J. Morphol.*, 27(4):1195-1200, 2009.

2008

Davarian A, Mirbehbahani NB. Gaucher disease: A 10 year old girl with anemia and huge splenomegaly (a case report). *Pak J Biol Sci.* 2008 Apr 1;11(7):1063-5. PubMed PMID: 18810981.

Golalipour MJ, Kord H, Ghafari S, Gharravi AM, **Davarian A**, Fazeli SA, Azarhoush R. Morphometric alterations of the rat spleen following formaldehyde exposure. *Folia Morphol (Warsz)*. 2008 Feb;67(1):19-23. PubMed PMID: 18335409.

2007

Golalipour MJ, Azarhoush R, Ghafari S, Gharravi AM, Fazeli SA, **Davarian A**. Formaldehyde exposure induces histopathological and morphometric changes in the rat testis. *Folia Morphol (Warsz)*. 2007 Aug;66(3):167-71. PubMed PMID: 17985313.

2006

Fazeli SA, **Davarian A**, Behnampour N, Golalipour MJ. Morphometric Evidences for Regional Variation in Potential of Neural Plasticity. *Int. J. Morphol.*, June 2006, vol.24, no.2, p.181-186. ISSN 0717-9502

Fazeli SA, **Davarian A**, Azarhoush R, Golalipour MJ. Histopathologic Changes of Rat Liver Following Formaldehyde Exposure. *Pak J Biol Sci.* 2006; 9 (11) :2137-40.

2005

Semnani SH, Besharat S, Abdolahi N, Kalavi KH, Fazeli SA, **Davarian A**, Danesh A, Malekzadeh R. Esophageal cancer in northeastern Iran. *Indian J Gastroenterol.* 2005 Sep-Oct;24(5):224. PubMed PMID: 16361775.

Davarian, Ali et al. Histopathologic Changes of Rat Tracheal Mucosa Following Formaldehyde Exposure. *Int. J. Morphol.*, 2005, vol.23, no.4, p.369-372. ISSN 0717-9502

Presentations

2010

Davarian A. , Khor V. Cardioprotective effects of exogenous and endogenous hydrocortisone in the rabbit model of ischemia-reperfusion. 16th World Congress of Basic and Clinical Pharmacology, July 2010, Denmark.

Vahid Khor, **Ali Davarian**, Habibeh Shirmohammadli, Mohsen Nayeypour. Altered levels of nodal excitability by rate-dependent inhibitory effects of essential oil of Citrus aurantium on the electrophysiological properties of isolated perfused rabbit AVNode: Protective role in the prevention of Ouabain toxicity. *4th Middle East Cardiovascular Congress*, 3-5 March, Kish Island, IRAN (International).

2009

Vahid Khor, **Ali Davarian**, Mohsen Nayeypour . Effect of Nitric Oxide on basic and rate dependent electrophysiologic properties of AV node in isolated rabbit heart and role of adrenergic and cholinergic system receptors. 6th International Congress of Iranian Society of cardiac Surgeons (ISCS), October 2009, Iran.

Vahid Khor, **Ali Davarian**, Mohsen Nayeypour . Age Related Functional Role Of Concealed Slow Av Nodal Pathways During Atrial Fibrillation (Af); Revealing Role Of Intermediate Acc. Leiden International Medical Student's Congress (LIMSC), March 2009, The Netherlands

2008

Davarian A. , Khor V. In-Vivo Induction of Myocardial Infarction in rabbit heart. 10th National Congress of Cardiovascular Disease, June 2008, Iran

Davarian A. , Khor V., Establishment of Rabbit model of Myocardial Infarction. The 9th National Congress of students of Medical Sciences, June 2008, Iran.

2007

Davarian A, Ghalipour MJ, Azarhoush R, Fazeli SA. Morphometric changes of rat testis following formaldehyde exposure. The 8th National Congress of students of Medical Sciences, October 2004, Iran.

2006

Davarian A, Ghalipour MJ, Azarhoush R, Fazeli SA. Histopathologic changes of rat kidney following formaldehyde exposure. 12th International Congress of Medical Students, June 2006, Iran.

2005

Davarian A, Ghalipour MJ, Azarhoush R, Fazeli SA. Histopathologic changes of rat kidney following formaldehyde exposure. International Medical Student's Congress (LIMSC), April 2005, The Netherlands

Fazeli SA, Davarian A, Golalipour MJ. Thickness of molecular layer in lobular borderlands of rat cerebellar primary fissure. International Medical Student's Congress (LIMSC), April 2005, The Netherlands

Davarian A. Morphine Abuse. Student's conference on Drug Abuse. January 2005, Iran.

2004

Semnani SH, Besharat S, Abdolahi N, Kalavi KH, Fazeli SA, **Davarian A**, Danesh A, Malekzadeh R. Esophageal cancer among young in the southeast border of Caspian sea. 4th International Congress on Gastrointestinal Disease, December 2004, Iran.

Davarian A, Golalipour MJ, Azarhoush R, Fazeli SA Effect of formaldehyde exposure on rat liver. The 5th National congress of students of Medical Sciences , October 2004, Iran.

Davarian A, Golalipour MJ, Azarhoush R, Fazeli SA The effect of formaldehyde exposure on rat tracheal epithelium- A histopathologic study. 19TH International congress of Medical Students, May 2004, Turkey

Licensure

2008 Member of **Iranian Medical Council**, M.C.No:119238

Language Skills

English Fluent written and spoken

Research Skills and Interests

Clinical Studies and Experiments in the field of cardiovascular Disease, Neuroscience, Histopathology and Epidemiology

Development of an Experimental Model of Double-perfused Isolated rabbit AV-Node

Development of an Experimental Model of High Fat Diet Hypercholesterolemia

Development of an Experimental Model of In Vivo and In-Vitro induction of Myocardial Ischemia-Reperfusion and preconditioning in Rats and Rabbits

Surgical and Chemical induction of Cirrhosis in Rats and Rabbits

Special Interest in Myocardial Pharmacologic Preconditioning and Anti-Arrhythmic Drugs

Special Interests in Interventional Cardiology

Interest in new approaches for treatment of Hypertension

Volunteer Activities

Lecturer of Two National Workshops on Experimental Models in Cardiovascular Research

Lecturer of Several workshops on Basic Research Methodology

Lecturer of Practical Pharmacology Class, Faculty of Medicine, Golestan University of Medical Sciences

Member of Student's Research Committee, Golestan University of Medical Sciences, Gorgan, Iran

Supervisor of Student's Research Committee, Golestan University of Medical Sciences, Gorgan, Iran

Editor In-Chief, Faraz Student's Journal of Medical Sciences, Department of Research, Golestan University of Medical Sciences, Gorgan, Iran

Editorial Board, Faraz Student's Journal of Medical Sciences, Department of Research, Golestan University of Medical Sciences, Gorgan, Iran

Reviewer, Journal of biochemical and molecular toxicology, **Wiley Online Library**

Reviewer, Physiology and Pharmacology Journal, Iranian Society of Physiology and Pharmacology, Iran

Reviewer, Neurodegenerative Diseases, Karger Publishers, Swiss

Reviewer, Medical Research Proposals and Papers, Department of Research, Golestan University of Medical Sciences, Gorgan, Iran

Referee, Three National Congresses of students of Medical Sciences, Iran

Referee and **Executive Board** of National Young Researcher Congress, Department of Research, Golestan University of Medical Sciences, Gorgan, Iran.

Member and **Executive Board** of "Shafa" student's charity fund, Golestan University of Medical Sciences, Gorgan, Iran.

Personal Interests & Hobbies

Biking, Mount Hiking, Football, and Swimming

Natural Perspective Photographing

Reading Novels, Science Fiction and Philosophy Books, Go to Cinema

Resources

Elliot L. Elson, Ph.D. The Alumni Endowed Professor of Biochemistry and Molecular Biophysics.
Department of Biochemistry and Molecular Biophysics, Washington University in St. Louis, School of
Medicine, St. Louis, MO, USA.

Telephone: 314-362-3346
E-mail: elson@biochem.wustl.edu

Vahid Khori, PhD, Associate Professor, Golestan Cardiovascular Research Centre, Faculty of Medicine,
Golestan University of Medical Sciences, Gorgan, IRAN
E-mail: Vaph99@yahoo.com

Mohammad Jafar Golalipour, PhD, Professor, Department of Histology and Embryology, Gorgan
University of Medical Sciences. Gorgan, Iran
Email: mjgolalipour@yahoo.com

Jamshid Faraji, Ph.D, Canadian Centre for Behavioural Neuroscience, University of Lethbridge,
4401 University Drive, Lethbridge, Alta., Canada T1K 3M4.
Email: jamshid.faraji@uleth.ca