



Kurdistan University of Medical Sciences

Curriculum Vitae

Leila Pirmoradi
PhD in Medical Physiology

Assistant Prof., Department of Physiology and Pharmacology, Faculty of Medicine, Kurdistan University of Medical Sciences, Sanandaj, Iran.

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Educational Records

Ph.D.: Physiology; Department of Physiology, Shiraz University of Medical Sciences, Iran

M.Sc.: Physiology; Department of Physiology, Tehran University of Medical Sciences, Iran

Academic Records

2014 - Present: Assistant Professor- Department of Physiology and Pharmacology, Faculty of Medicine, Kurdistan University of Medical Sciences. Sanandaj, Iran.

2013: Visiting Scholar- Cellular Therapy of The Diabetes Mellitus Department, CABIMER, Pablo de Olavide University, Seville, Spain: (Research area: Stem cell therapy in RIP-B7.1 transgenic diabetic mice, supervised by Prof. Bernat Soria)

2008 - 2013: Research & Teaching Assistant- Department of Physiology, Faculty of Medicine, Shiraz University of Medical Sciences, Iran.

2003 - 2008: Lecturer- Department of Physiology and Pharmacology, Faculty of Medicine, Kurdistan University of Medical Sciences. Sanandaj, Iran.

Teaching Experiences

- 1- **Cell Signaling:** Ph.D. Level Course for Cellular and Molecular Biology.
- 2- **Cell Physiology:** M.Sc. Level Course for Physiology.

- 3- **Neurophysiology (Intellectual Functions):** M.Sc. Level Course for Physiology, Medical and Dentistry Students.
- 4- **Instructional Practices:** M.Sc. Level Course for Physiology.
- 5- **Renal, Body Fluids Physiology and Acid Base Balance:** M.Sc. Level Course for Physiology, Medical and Dentistry Students.
- 6- **Blood Physiology:** Medical and Dentistry Students.
- 7- **Cardiovascular, Gastrointestinal and Endocrine Physiology:** To Medical Students.
- 8- **Different Fields of Physiology:** (Cell, Cardiovascular, Renal & Body Fluids and pH, Blood, Respiratory, Gastrointestinal, Nervous system and Endocrine): To Midwifery, Nursing, Operating Room, Health Care, Radiology, Lab Sciences, Radiotherapy and Anesthesiology Students.
- 9- **Lab Physiology:** (Electrocardiography, Blood Pressure, Clotting and Bleeding Time & Hematocrit Measurement, WBC Count, RBC Count, Differentiation of WBC, Ophthalmology, Osmosis, Neural reflex): To M.Sc. Students of Physiology, Medical, Dentistry, Radiology, Nursing, Midwifery, Anesthesiology, Radiotherapy, Lab Sciences, Operating Room and Health Care Students.

Research Interests

- **Diabetes Involved Mechanisms and the Treatments:**
- **Obesity and Metabolic Syndrome**
- **Diabetes and its Complications:**
 - Diabetes and Alzheimer's Disease
- **Apoptosis**
- **Neurodegenerative Diseases**

Thesis Supervision and Joint Research Work

- 1- **Supervisor of Parisa Jalilian,** The Effects of Liraglutide on Hippocampal Klotho in type 2 Diabetic Rats. 2019.
- 2- **Supervisor of Nadia Vakili, G.P.:** Comparison of Plasma Betatrophin Levels in type 2 Diabetic Patients Attending Towhid Hospital in Sanandaj. 2017.
- 3- Hosseini F, **Pirmoradi L**, Rahehagh R. Evaluation of Sodium Hydrosulfide and L-Arginine Co-Administration on Renal Ischemia-Reperfusion Injury in Rats. 2018.

- 4- Hosseini F, **Pirmoradi L**, Pourdian S, Rahehagh R. The Effects of Atorvastatin on Renal Ischemia Reperfusion Injury in Diabetic Rats. 2016.

Publications

Book Chapter

- 1- **Pirmoradi L**, Owji AA, Shojaei S. Developmental Disorders of the Cerebellum and Neurotrophic Factors. IN Marzban H, Editor. Development of Cerebellum from Molecular Aspects to Diseases. Contemporary Clinical Neuroscience. 1st Edition. Winnipeg. Springer Press, 2017: Chapter 7.

Journal Publications

- 1- **Pirmoradi L**, Seyfizadeh N, Ghavami S, Zeki AA, Shojaei Sh. Targeting Cholesterol Metabolism in Glioblastoma: A New Therapeutic Approach in Cancer Therapy. J Investig Med. Apr 2019; 67(4):715-719.
- 2- **Pirmoradi L**, Noorafshan A, Safaei A, Dehghani GA. Quantitative Evaluation of Trophic Effects of Oral Vanadium on Pancreatic Islets Volumes and Beta Cell Numbers of Diabetic Rats. Iranian Biomedical Journal 20(1): Jan 2016. 18-25.
- 3- Mohammadi MT, **Pirmoradi L**, Mesbah F, Safaee A, Dehghani GA. Trophic Actions of Oral Vanadium and Improved Glycemia on the Pancreatic Beta Cell Ultrastructure of STZ Induced Diabetic Rats. Journal of Pancreas. Nov 2014. 28; 15(6): 591-596.
- 4- **Pirmoradi L**, Mohammadi MT, Safaei A, Mesbah F, Dehghani GA. Does the Relief of Glucose Toxicity Act As a Mediator in Proliferative Actions of Vanadium on Pancreatic Islet Beta Cells in Streptozotocin Diabetic Rats? Iran Biomed J. July 2014. 18(3):173-80.
- 5- Fathi F, Kermani AJ, **Pirmoradi L**, Mowla SJ, Asahara T. Characterizing Endothelial Cells Derived from the Murine Embryonic Stem Cell Line CCE. Rejuvenation Res. Apr 2008; 11(2):371-8.
- 6- Fathi F, Bagheban Eslami MR, Ahsan B, Alasvand M, Rezaei MJ, **Pirmoradi L**, Asahara T. Oxytocin Efficiency in Differentiation of P19c16 Stem Cells into Cardiomyocytes. Sci J Blood Transfus Organ. 2007. Volume 3, Number 4.
- 7- **Pirmoradi L**, Kadkhodae M, Shams S, Ghasemi A, Maki N. The Effects of Ascorbic Acid and L-NIL Co-Administration on LPS Induced Oxidative Stress in Rat Kidney. Tehran University of Medical Sciences, Vol 62, No 5, 2004: 62-68.

- 8- Badavi M, Naseri MKG, **Pirmoradi L**, Hosseini F. Beta Carotene Modulates Nitric Oxide Production in the Renal Ischemia/Reperfusion Injury in Rat. *Zahedan Journal of Research in Medical Sciences*. 2017; 19 (3).

Abstracts, Posters, and Presentations

- 1- **Pirmoradi L**, Gholam Abbas Dehghani. Pancreatic Isolated Islet Sensitivity to Glucose in STZ Induced Diabetic Rats after Treatment by Vanadium. 3rd international conference on endocrinology and metabolic syndrome. Amsterdam, Netherland. June 28-29. 2018.
J Metabolic Syndr. 2018, Volume 7. (Published Abstract).
- 2- **Pirmoradi L**, Nadia Vakili, Foruzan Hosseini, Ebrahim Ghaderi, Lotfolah Saed, Bahram Nikkhoo, Kambiz Hasanzadeh, Nadia Shakiba. Comparison of Serum Betatrophin Levels in Newly Diagnosed and Chronic Diabetic Patients. 2nd International and 23th Congress of Physiology & Pharmacology. Chabahar, Iran, Feb 2018.
- 3- Hosseini F, **Pirmoradi L**, Pourdian S, Rahehagh R. Atorvastatin Pretreatment of Diabetic Rats and Intensity of Renal Ischemia Reperfusion Injury. 2nd International and 23th Congress of Physiology & Pharmacology. Chabahar, Iran, Feb 2018.
- 4- **Pirmoradi L**, Noorafshan A, Dehghani G.A. Evaluation of Pancreatic Islet Volumes and Beta Cell Numbers of STZ-Induced Diabetic Rats Treated by Oral Vanadium. 22th Congress of Physiology & Pharmacology. Kashan, Iran, Sept 2015.
- 5- **Pirmoradi L**, Mohammadi MT, Safaei A, Mesbah F, Dehghani G.A. Effects of Oral Vanadyl Sulphate on Pancreatic Beta Cells of the STZ –Induced Diabetic Rats. 6th International Congress of Laboratory and Clinic. Tehran, Iran, 12-14 Feb 2014.
- 6- Fathi F, **Pirmoradi L**, Mowla SJ, Asahara T. Angiogenesis In Vitro: Vascular Tube Formation from the Differentiation of Murine Embryonic Stem Cells. *Rejuvenation Res*. Cambridge. United Kingdom. 2007; (10): 29.
- 7- **Pirmoradi L**, Kadkhodae M, Shams S. The Effects of Ascorbic Acid and L-NIL Co-Administration on LPS Induced Oxidative Stress in Rat Kidney. The 7th Iranian Congress of Biochemistry. Ahwaz-Iran. 26-29 Jan 2004.
- 8- **Pirmoradi L**, Kadkhodae M, Shams S, Ghasemi A. The Protective Effect of Ascorbic Acid and L-NIL Co-Administration on LPS Induced Nephrotoxicity in Rat. The 16th Iranian Congress of Physiology and Pharmacology, Tehran-Iran May 2003.

Skills

Software & Analytical Skills

Statistical Analysis Skills, SPSS, MS Office, Methamorph, Endnote

Lab Skills

Rat Surgery: Pancreatic Islet Isolation

Stereology

Cellular Techniques: Cell Culture, Methods of Derivation,

Differentiation and Characterization of hESCs, hiPS and MSCs

Molecular Methods: PCR, qPCR, Western Blot,

Immunohistochemistry, Flow Cytometry, Immunofluorescence, HPLC

Languages

English: Proficient, Persian and Kurdish: Native

Awards

- 1- Acknowledgment of Outstanding Work Toward Quality Improvement of the Scientific Research, Journal of Kurdistan University of Medical Sciences, 2006.
- 2- Top Student Award, Tehran University of Medical Sciences, 2002.

Executive Experience

- 1- Member of Iranian Society of Physiology and Pharmacology. Permanent
- 2- Member of Neuroscience Research Committee. Kurdistan University of Medical Sciences. 2018 - Present.
- 3- Director of Development of Goal-Oriented Programs in Health High-level Education. Kurdistan University of Medical Sciences. 2018 - 2019.
- 4- Member of Advisory Board of Medical Education. 2018.
- 5- Director of the Program for the Standardization of Medical Education Processes. Kurdistan University of Medical Sciences. 2017- 2018.
- 6- Member of Advisory Board of Research Projects, Shiraz University of Medical Sciences. Shiraz, Iran. 2016 - Present.
- 7- Advisory Board of Physiology and Pharmacology Congress. 22th Congress of Physiology & Pharmacology. Kashan, Iran, Sept 2015.
- 8- Member of Medical School Exams Evaluation and Analysis Committee. The Medical School, Kurdistan University of Medical Sciences. June 2017- Present.

- 9- Member of Educational Development Office. The Medical School, Kurdistan University of Medical Sciences. 2016 - Present.
- 10- Advisor of Medical Students. The Medical School, Kurdistan University of Medical Sciences. 2015 – Present.
- 11- Advisor of Medical Students. The Medical School, Kurdistan University of Medical Sciences. 2003 - 2008.
- 12- Advisor of Shahed Students. The Medical School, Kurdistan University of Medical Sciences. 2003-2008.
- 13- English Editorial Assistant of Kurdistan Scientific Medical Journal. Kurdistan University of Medical Sciences. 2015 - 2017.
- 14- Member of Advisory Board of Kurdistan Scientific Medical Journal. Kurdistan University of Medical Sciences. 2015 - Present.
- 15- Member of Committee of Research in Education, Kurdistan University of Medical Sciences. 2008.
- 16- Member of Advisory Board of Kurdistan Scientific Medical Journal. Kurdistan University of Medical Sciences. 2002- 2008.
- 17- Director of Kurdistan Scientific Medical Journal. Kurdistan University of Medical Sciences. 2005- 2006.
- 18- Member of Medical School Exams Preparation Committee, Kurdistan University of Medical Sciences. 2004- 2006.
- 19- Advisor at Gifted and Talented Students Office, the Medical School, Kurdistan University of Medical Sciences. 2004- 2008.
- 20- Medical Faculty Member in EDC (Education Development Center), Kurdistan University of Medical Sciences. 2004-2008.

Workshops Attendance

- 1- Medical Ethics. Kurdistan University of Medical Sciences. Sanandaj, Iran. Feb. 2019.
- 2- Virtual Workshop of Curriculum Planning in Medical Education. Arak University of Medical Sciences. Arak, Iran. Jan 2019.
- 3- Workshop of Social Factors Effect on Human Health. Kurdistan University of Medical Sciences. Sanandaj, Iran. Dec 2018.
- 4- Closed-Ended Test Questions. Kurdistan University of Medical Sciences. Sanandaj, Iran. June 2018.
- 5- Medical Professional Ethics. Kurdistan University of Medical Sciences. Sanandaj, Iran. Oct 2018.
- 6- Ethics in Scientific Publication. Kurdistan University of Medical Sciences. Sanandaj, Iran. Feb 2018.
- 7- Advanced Scientometric, Kurdistan University of Medical Sciences. Sanandaj, Iran. Feb 2018.
- 8- Ethics in Scientific Publication. Kurdistan University of Medical Sciences. Sanandaj, Iran. Feb 2018.

- 9- Evaluation and Improvement of Advisors Performance, Kurdistan University of Medical Sciences. Sanandaj, Iran. Apr 2017.
- 10- EEG Based Methods in Neuroscience “Workshop in the 5th Basic and Clinical Neuroscience Congress”, Tehran, Iran. Dec 2016.
- 11- Ethics in Research, Kurdistan University of Medical Sciences. Sanandaj, Iran. Aug 2015.
- 12- Professional Ethics, Kurdistan University of Medical Sciences. Sanandaj, Iran. June 2015.
- 13- The 2nd International Preventive Cardiology Congress, Shiraz University of Medical Sciences. Shiraz, Iran. Oct 2013.
- 14- The 1st international Congress and 6th National Conference of E-learning in Medical Sciences. Shiraz University of Medical Sciences. Shiraz, Iran. Oct 2013.
- 15- Induction of Blood Pressure & Myocardial Infarction and Echocardiography in Rat. Shiraz University of Medical Sciences. Shiraz, Iran. Sept 2012.
- 16- Western Blotting. Biochemistry Department of Shiraz University of Medical Sciences. Shiraz, Iran. Feb 2012.
- 17- Determination of Research Priorities. Shiraz University of Medical Sciences. Shiraz, Iran. Nov 2011.
- 18- Endnote X3. Shiraz University of Medical Sciences. Shiraz, Iran. Jan 2011.
- 19- Curriculum Planning & Laboratory Teaching. Shiraz University of Medical Sciences. Shiraz, Iran. Feb 2011.
- 20- Research Supervision & Student Evaluation. Shiraz University of Medical Sciences. Shiraz, Iran. Feb 2011.
- 21- Lecturing & Small Group Teaching. Shiraz University of Medical Sciences. Shiraz, Iran. Feb 2011.
- 22- Lab Safety Training. Shiraz University of Medical Sciences. Shiraz, Iran. Oct 2008.
- 23- Stress Management. Kurdistan University of Medical Sciences. Sanandaj, Iran. Jan 2008.
- 24- Research in Education. Kurdistan University of Medical Sciences. Sanandaj, Iran. Feb and June 2006.
- 25- Consultation Principle. Kurdistan University of Medical Sciences. Sanandaj, Iran. Nov 2006.
- 26- Special Consulting Hints for Gifted and Talented Students: Gifted and Talented Office of Kurdistan University of Medical Sciences. Sanandaj, Iran. May 2006.
- 27- Designing and Analyzing of the Multiple Choice Questions. Kurdistan University of Medical Sciences. Sanandaj, Iran. 2005.
- 28- ICDL Skills. Kurdistan University of Medical Sciences. Sanandaj, Iran. Oct 2005.
- 29- Cloning in Bacterial Expression System for Production of Recombinant Proteins. National Institute for Genetic Engineering and Biotechnology (NIGEB). Sanandaj, Iran. Sept 2005.
- 30- Electrophysiology and Behavior Workshop of FAONS Symposium. Shaheed Beheshti University of Medical Sciences. Tehran, Iran. May 2004.

- 31-** Research Methodology. Kurdistan University of Medical Sciences. Sanandaj, Iran. Sept 2003.
- 32-** Problem Based Learning and Critical Thinking. Kurdistan University of Medical Sciences. Sanandaj, Iran. Dec 2003.
- 33-** Communication Skills. Kurdistan University of Medical Sciences. Sanandaj, Iran. Dec 2003.
- 34-** Neuroscience Workshop. IBRO School: Shaheed Beheshti & Tarbiat Modares University of Medical Sciences. Tehran, Iran. Feb 2002.