

Mohammad Hossein Heidari

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Professional Achievements

2000 **Completed Ph.D.** in Anatomical Sciences minoring in Embryology
Faculty of Medicine, Mashhad University of Medical Sciences, Iran

Skills

Research **Research** on brain - School of Medicine, Monash University (Nov
2013-Nov 2014); extensive research including supervision of
researchers in anatomy and cell and molecular biology

Teaching/Academic **Associate Professor** - including anatomical and embryology units
(theory and practical on cadaver) to medical and paramedical
students

Applied and sectional anatomy and neuro anatomy to master
students of imaging and radiology
Applied anatomy to physiotherapy students

Reviewer of three medical Journals in Iran – Journal of Paramedical
Sciences, Southern Medical Journal and Journal of Cell and Molecular
Research.

Laboratory Electron microscope (TEM, SEM); 2D Gel electrophoresis PCR; Real
time PCR; Brain and Spinal cord Histology Technique; Applied clinical
neuroanatomy; Sectional anatomy and MRI techniques ,Non invasive
Brain stimulation

Education

1995-2000	Ph.D. in Anatomical Sciences, Minor Embryology, Faculty of Medicine Mashhad University of Medical Sciences, Iran
1989-1991 Medicine	Masters Degree in Anatomical Sciences, Faculty of Isfahan University of Medical Sciences, Iran
1979-1984	Bachelor of Physiotherapy, Faculty of Rehabilitation Shiraz University of Medical Sciences, Iran

Research Experience & projects

2013	Effects of site specific a-tDCS on Mirror box Training on healthy individuals
2012	Study of neural cells differentiation from mouse embryo cells
2009	Proteomics study of spinocerebellar ataxia
2012	Investigation of 5aza cytidine effect on differentiation of mouse mesenchymal stem cell
2010	Prostasin as a biomarker for ovarian cancer detection at early stages

Employment history

2013 – 2014	Research <i>Monash University, School of Medicine, Peninsula Australia</i> Researched brain cell recovery following a stroke
2007 - 2013	Academic staff and Associated professor of anatomy and neuroanatomy Head of anatomy ward Researcher in the proteomics Research Centre <i>Shahid Beheshti University of Medical Sciences, Iran</i>

- 2005-2007 **Academic staff and Senior lecturer** of anatomy and neuroanatomy
Bushehr University of Medical Sciences,
Bushehr Province, Iran
- 2001-2005 **Academic staff and Senior lecturer** of anatomy and neuroanatomy
Head of anatomical department
Fasa University of Medical Sciences, Fasa, Iran
- Teaching anatomy and neuroanatomy to medical and paramedical students. Advisor to some medical students on their theses in the field of anatomy and neuroanatomy.
- 1989-2001 **Academic staff and lecturer** of anatomy and neuroanatomy
Instructor of practical anatomy for medical students
University of Medical Sciences, Iran *Isfahan*
- 1987-1989 **Physiotherapist**
- Faculty of Rehabilitation, Shiraz University of Medical Sciences, Iran* f
- Lecturing and practical teaching of physiotherapy students.

Professional development and further training

- 2013 Training –TMS & anodal tdcS
- 2010 Training - PCR and real time at Shahid Beheshti University of Medical Sciences, Tehran, Iran
- 2010 Training – Medical Journalism program at Shiraz University of Medical Sciences, Shiraz, Iran
- 2009 Stem cell project, Tohoku University, Japan
- 2008 Training - Proteomics sciences at Shahid Beheshti University of Medical Sciences, Proteomics Research Centre, Tehran, Iran
- 2005 Training - electron microscope (TEM, SEM) at Shahid Beheshti University of Medical Sciences, Tehran, Iran

Books

- Artificial neural networks ISBN 978-964-b131-09-5 (2010)
- Stem cell ISBN 978-600-5907-00-3 (2011)

Publications

- Novel materials to enhance corneal epithelial cell migration on keratoprosthesis. Br.j.ophtalmology (2010)
 - Diode laser 810nm as a potential treatment to improve visual function in (NATION), Iranian J. of medical hypothesis (2011)
 - Stress perimetry: an alternative for early detection of open angle Glaucoma ,Iranian J. of medical hypothesis (2011)
 - Evaluation of pluripotency Gene expression in mouse embryonic stem cell J.paramedical sciences (JPS) (2010) Vol 1 No:2
 - The effect of Diabetes on induced pain of formalin and Baclofen Analgesia in rats J.paramedical sciences (JPS) (2010)
 - Introduction aldolase C as a differentiation biomarker: A proteomics approach jps (2009)
 - The efficacy of implant of octacalcium phosphate on bone Regeneration in skull defects, IJMS, Iranian journal of medical sciences (2004)
 - Brain-Derived neurotrophic factor as a Biomarker in primary open angle Glaucoma, Optometry and vision science (2010)
 - Histological study of the toxic effects of solder fumes on spermatogenesis in rate, Cell journal, (Vol13, No 1, 2011)
- protein-protein interaction network of celiac disease,Journal of Gastroenterology and hepatology(VOL4 ,2016)

Interests and hobbies

- To continue research in the field of neuroscience in particular in Brain Neuroplasticity
- To work more closely with aspiring students and use my knowledge to improve their ability to reach their goals
- Participating in relevant medical conferences and congresses to develop and update my knowledge
- Searching websites to find the newest methods of teaching anatomy
- Mountain climbing, basketball, badminton, swimming
- Reading books and magazines

•Languages: English, Persian,