Curriculum Vitae



**Name: Leila**

**Last Name: Roushangar**

**Address: Anatomical sciences department, Faculty of medicine, TUMS**

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**Sex and Marital Status: Female, Married**

**Birth Date: 1971-09-21**

**Education:**

Name of the University             Location               Major             Degree       Date

**1-**Tabriz                           Tabriz / Iran             Obstetric         B.S             1995

**2-**Tabriz                             Tabriz / Iran             Histology         M.Sc.           2000

**3-**Tabriz              Tabriz /Iran     Histology& Embryology   Ph.D.   March of 2004

**Honors/Achievements:**

- Distinguished student between universities of **Iran** in **2003**.

- Scholarship for Ph.D. from faculty of medicine, Medical Sciences, university of Tabriz.

- Distinguished student in the university in **2002, 2003, 2004**.

- Distinguished student in the universities of Tabriz and medical sciences in the field of mural and research, in **2005**.

-Scholarship from ministry of health science IRAN for a 6 months complementary period of Ph.D. in **Toyoma UniversityJapan**.

-Distinguished academic member in the university in**2009.**

**-**Distinguished academic member in the faculty of medicine in**2012.**

**-** Sabbatical leave at the **Integrative Regenerative Medicine**, Department of clinical and Experimental medicine at **Liu University in Sweden, 2015.**

**- Presenting of my research in the Life Science Seminar series at the medical faculty at Liu University in Sweden, 22 Oct. 2015. (As Guest Professor)**

**Academic Positions:**

**Professor**

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**Teaching Experiences:**

**- Histology and Embryology,**Tissue engineering, Biology, Cell culture, Histological and Histochemical technique, Regenerative medicine.

 -Teaching histology and embryology for paramedical and biology students in Tabriz Universities for 8 years.

-Practical histology for medical students.

**Administrative Experiences:**

* **Research deputy of Anatomical sciences department.**
* **Cultural deputy of faculty, Tabriz university of medical sciences.**

**Research Interest:Regenerative medicine, Stem cell Biology, Reproductive biology, Tissue engineering and neurosciences**

**Supervision of Thesis:**

**6 Ph. D Theses and 8 MSc Theses**

**New Project is:**

**Study of mummy substance on cultured adipose-derived stem cells and fibroblast and their co-culture with or without scaffold.**

**Serial enrichment of SSCs in cultured with Three dimensional methods.**

**Advisor of Thesis:**

**12 Ph. D Theses and 10 MSc Theses**

**Publications in International Journals:**

**1-**Soleimani Rad J, Roshangar L, Karimi K. The Effect of Electromagnetic Field on Fallopian Tube. IFFS 2001Selected Free Communications, Monduzzi Editore, International Proceedings Division, Melbourne (Australia), November 25-30, 2001.

**2**-Soleimani Rad J, **Roushangar L** : The Effect of Electromagnetic field on oogenesis:scientific journal of anatomy Iran university,1:(29,30),47-51,2002.

**3-Roshangar L**, Soleimani Rad J. Electron microscopic study of folliculogenesis after electromagnetic field exposure. Journal of Reproduction & Infertility, 5(4), 299-307,2004.

**4-** Roshangar L, Ohtani O, Soleimani Rad J. Effect of EMF-exposure on ovarian follicle: A transmission electron microscopic study, Journal of international anatomical sciences, Japan, (in press).

**5-**Soleimani Rad J, Roushangar L, Shirzadi P: The Effect of Electromagnetic Field on ultrastructure of semen producing organs, The journal of uremia university of medical sciences,vol 18 no. 2 summer 2007.

**6-** Roushangar l, Soleimani Rad J. ultrastructural alternation and occurrence of apoptosis in developing follicles exposed to low frequency electromagnetic field in rat ovary, Pakistan Journal of Biological Sciences, 10(24): 4413-4419, 2007.

**7-** Shokouhi G, Tubbs RS, Shoja MM, Roshangar L. Neuroprotective effect of high-dose vs low-dose melatonin after blunt sciatic nerve injury. Child nerve syst. (2008)24: 111-117.

**8-** Lafzi A, Farahani RM, Tubbs RS, Roushangar L. Enamel matrix derivative Emdogain as an adjuvant for a laterally-positioned flap in the treatment of gingival recession: an electron microscopic appraisal. Folia Morph., 2007 may; 66(2):100-3.

**9-** Ahmadi N, Sheikhzade F, Roshangar L. Long-term regular exercise promotes memory and learning in young but not in older rats.J pathophysiology, 2007.

**10**- Kheradmand A, Roshangar L, Taati M. The role of ghrelin on the morphometry and intracellular changes in the rat testis. Tissue and cell. 2008.

**11-** Shokouhi Gh, Tubbs R. SH., Shoja MM, Roshangar L, Mesgari M, Ghorbanihaghjo A, Ahmadi N, Sheikhzadeh F, Soleimani Rad J. The effect of aerobic exercise training on the age-related lipid peroxidation, Schwann cell apoptosis and ultrastructural changes in the sciatic nerve of rats. Life sciences, 2008, 82; 840-846.

**12**- Noori H, Azarmi Y, Noori M, Khaki AA, Roshangar L. Effect of growth hormone on testis after metotereksat treatment in rat. J Hamedan University of medical sciences, 1387.

**13-** Sheykhzadeh F,Ahmadi N, roshangar L, Effect of aerobic exercise on central nervous system…,Medical Journal of Tabriz. 2008.

**14-** A Kheradmand, L Roshangar L, M Taati, Av Sirotkin Morphometrical and intracellular changes in rat ovaries following chronic administration of ghrelin , Journal, Vol., No: Tissue and cell. 41(2009).

**15**-, Jafar Soleimani Rad, Esmail Ayat, Mehran mesgari, Ramin Frahani, Leila Roshangar, R shane Tubbs, Mohammad M Shoja. Dietary L- arginine and cutaneous wound healing, Journal, Vol., No: Anat. Embryol., Vol.113.n3, 2008

Authors:

Masood Naderpoor, Jafar Soleimani Rad, Esmail Ayat, Mehran mesgari, Ramin Frahani, Leila Roshangar, R shane Tubbs, Mohammad Authors:

**16-** D.M. Nejad, J. S. Rad, L. Roshangar,M. Karimipor, A. A. Ghanbari, A Azami, M. R.Valilu A study on the effect of thiotepa on mice spermatogenesis using light and electronic microscope.Journal, Vol., No:Pakistan journal of biological sciences 11(15): 1929-1934,2008.

**17**-Rashidi B, Roshangar L, Soleimani Rad J, Khaki AA, Mohammadnejad D, Azami I: Comparison of morphology and morphometry of preimplantation mouse uterine endometrium in natural cycle with those received superovulatory drugs, progesterone and sildenafil citrate. Pharmaceutical sciences, autumn, 33-39, 2008

**18-** Ghaffari T, Nouri M, Rashidi MR, Vatankhah AM, Rezazadeh H, Roshangar L: Inhibition of streptozotocin-induced oxidative stress by vitamin E and selenium supplementation in diabetic rats. Pharmaceutical sciences, vol. 15, No3, 269-278, 2009.

**19-** Yavari HR, Shahi SH, Rahimi S,shakouie S, Roshangar L, Mesgari M, Sattari Khavas S: Connective tissue reaction to white and gray MTA mixed with distilled water or chlorhexidine in rats. *IEJ,* Volume 4, Number1,25-30, Winter 2009.

**20-** Roshangar L, Soleimani Rad J, Nikpoo P, Sayyah melli M: The effect of oxytocin injection on folliculogenesis, ovulation and endometrial growth. Iranian journal of reproductive medicine, Vol. 7, No 2, 91-95, spring 2009.

**21-**Sohrabi M, Kalati F, Vatansever S, Abbasi M, Roshangar L, Khaki AA, Tuglu IM, Aydemir I, Dustar Y, Javadzadeh Y, Soleimani Rad J: Effect of dietary and topical celecoxib on expression of bcl-2, bax, c-erb-b2 and ki67 in carcinogen-induced tonge carcinoma in rat. Pakistan Journal of biological sciences, volume 12, Issue 10, 750-757, 2009.

**22-** Sohrabi M, Soleimani Rad J, **Roshangar L**, Vatansevar S, Arbabi F, Khaki AA, Mesgari M, Dostar Y, Javadzadeh Y:4nitroquinoline-1- oxide-induced lingual epithelium alternations in rat decreased by celecoxibe. Vol., No: Journal of the Pakistan medical association Vol. 12, 750-757, 2009.

**23**- Roshangar L, Soleimani rad J, Afsordeh K.: Maternal tamoxifen treatment alters oocyte differentiation in the neonatal mice: Inhibition of oocyte development and decreased folliculogenesis,Journal, Vol., No: Obstetric and gynecology research. April, 405-411, 2010.

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3. Javadi L, Pezeshkian M, Afrasiabi A, Garjani A, Roshangar L, Golmohammadi Z, Nouri M. Erythropoietin prevention effect on induced apoptosis by ischemia reperfusion in myocytes in rat. J Cardiovasc. Thorac. Res, 2010, 1-7.
4. Hajebrahimi S, Roshangar L, Mohajery D, Zeynali M, Mesgari M. Histopathological effects of mid- urethral tapes: An animal study on female rats. Agricultural Journal 6(4): 181-187, 2011.
5. Sabetkam Sh, **Roshangar L**, Soleimanirad J, hemmati AR, Abed ellahe A.Evaluation of fertility after oxidative stress induced by BSO on ovume in in-vitro in mice**,** Iranian Journal ofReproductive Medicine, Vol. 9, Suppl. 2, Spring 2011.
6. Vahid Dianat, Mehran Farhoodi, Jafar soleimani Rad, **Leila Roshangar,** Study the effect of verification on connection between cumulus cells and oocytes and its relationship with oocytes growth in mice, Annals of biological research ,2011,2(40: 174-179.
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8. Alireza Farnam, Ali Fakhari, **Leila Roshangar**, Sajjad kahni and sara Farhang. Planning Genomic study in an animal model of depression: a preliminary report. Bio impacts, 2011, 1(3), 179-181.
9. Ebrahimi- kalanA, Soleimani Rad J, **Roshangar** L, Khaki AA, Mohammadnejad D. Effect of ginsenoside as a phytoestrogen on busulfan-induced disorders in semen parameter. Pharmaceutical Sciences, 2011, vol.17, No 1, page 27-34.
10. **Roshangar l**, Zarrintan A, soleimani rad J. Morphological and Histological detection of proliferating cells in oovarian follicle induced by anticancer drug study.International journal of fertility and sterility (UFS), Vol. 5,sup 1, summer 2011.
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12. Shiva Asadpoor, Jafar Soleimani rad, Amir afshin khaki, **Leila Roshangar**. The effect of oxidative stress produced by buthionine sulfoximine induced reduction of glutathione on development of testis and semen parameters in mice. Medical journal of Tabriz University of medical sciences, Vol. 33, No.4, Oct-Nov 2011.
13. Hamdi AB, **Roshangr L**, Khaki AA, Soleimani Rad J\*. Histologicalstudy of testes and sperm parameters in adult mice exposed to 50 Hz electromagnetic field during development. Annals of Biological Research, 2011, 2(5):455-462.
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16. Sepideh hassan pour¸ **Leila Roshangar**, Jafar Soleimani Rad. Fertilization capacity of ovum in mice exposed to tamoxifen during emberyonic development. 2011 Pharmaceutical Sciences, 2011, vol.17, No 1, page.
17. **Leila, Roshangar1**, Shahnaz Sabetkam2, Alireza alihemmati3, Ali Abed elahe3,

Lale Shahsar4, Jafar, Soleimani-Rad.Impact of BSo-induced oxidative stress on oocyte fertilization: An *in-vitro* study. Annals of biological research, 2012, 3 (1):49-56.

1. Babak, Roshangar, Jafar, Soleimani-Rad, Roya Ansaree, **Leila Roshangar.**Effect of low frequency Electromagnetic Field on cardiovascular system: An ultrastructural and immunohistochemical study. Annals of Biological Research, 2012, 3

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1. Rashidi Bahman, Soleimani Rad Jafar, Roshangar Leila [Comparison of Morphological and Morphometrical Characteristics in the Glandular Epithelium of Mouse Endometrium in Preimplantation Period after Administration HMG-HCG, Progesterone and Sildenafil Citrate](javascript:ShowArticleDetail('126109'))[Journal of Isfahan Medical School - Vol. 28, No. 112](http://www.google.com/url?sa=t&rct=j&q=roshangar%20leila&source=web&cd=21&ved=0CBkQFjAAOBQ&url=http%3A%2F%2Fwww.iranmedex.com%2Fenglish%2Farticles.asp%3FissueID%3D18940&ei=2fDITp-SGYrsOe6IhOEP&usg=AFQjCNEKSO_Vy5SPZuJ83PCtWU_D1d7YQw&cad=rja), 2010.
2. Soodeh Razeghi, Seyed rafi Arefhosseini, Mehrangiz Ebrahimi Mameghani, Mansoureh Togha,Leyla Roshangar, Taki Tarihi.Prevention of Animal Model of Multiple Sclerosis by oral genistein, extracted from soy bean.Iranian Journal of Neurology, Vol.7, No.26 &27, Summer & Autumn 2009, 505-517.
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4. Shiva Asadpoor, Jafar Soleimani rad, Amir afshin khaki, **Leila Roshangar**. The effect of oxidative stress produced by buthionine sulfoximine induced reduction of glutathione on development of testis and semen parameters in mice. Medical journal of Tabriz University of medical sciences, Vol. 33, No.4, Oct-Nov 2011.
5. Maleki N, **RoshangarL**, Khaki AA, Soleimani Rad J. Effect of estrogen on spermatogonic disorders induced by cyclophosmaide in mice. Pharmaceutical sciences, 2012, vol.17, No 4, page 243-252.
6. **Leila, Roshangar**, Shahnaz Sabetkam, Alireza alihemmati, Ali Abed elahe, Lale Shahsar, Jafar, Soleimani-Rad. Impact of BSo-induced oxidative stress on oocyte fertilization: An *in-vitro* study, Annals of Biological Research, 2012, 3 (1):49-56.
7. Azadeh Montaseri, **Leila Roshangar**, Jafar Soleimani Rad, Hajar Shafaei, Mehdi Shakibaei, Seidhossein Jarolmasged, Amir Mohammad Navali. Formation of repaired hyaline cartilage using PDGF-treated chondrocyte/PCL construct in rabbit knee articular cartilage defect. Annals of Biological Research, 2012, 3 (4):1975-1986.
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9. H Babaei, **L Roshangar**, E Sakhaee, J Abshenas, R Kheirandish, R Dehghani.Ultrastructural and morphometrical changes of mice ovaries following experimentally induced copper poisoning. Iranian Red Crescent Medical Journal*.* Iran Red Crescent Med J 2012; 14(9):558-568.
10. Rashidi B, Soleimani Rad JI, **Roshangar** L, Alizadeh Miran R. [Evaluation of Pinopodes Expression on the Mouse Endometrium Immediately before Implantation by Treatment with HMG/HCG and Sildenafil Citrate Administration.](http://www.ncbi.nlm.nih.gov/pubmed/23493489)Iran J Basic Med Sci. 2012 Sep; 15(5):1091-6.
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12. **Leila Roshangar** , Seddighe Abdollahifard., Abbas Majdi, Armin Zarrintan ., Alia Ghasemzade, Laaia Farzadi, Sara Soleimani Rad,Jafar Soleimani.Study of ultrastructure and apoptosis in the endometrium of women with or without endometriosis. *Iran J Reprod* Med Vol. 11. No. 5. pp: 399-404, May 2013.
13. **Leila Roshangar1**, Jafar Soleimani-Rad, Bahman Rashedee., Hossein Mazochian, Behzad Nikzad. Sara Soleimani Rad*.* Ultrastructural and morphometrical study of preimplantation endometrium in superovulated mice treated with progesterone or Sildenafil. Iran J Reprod Med Vol. 11. No. 10. pp.: 807-814, October 2013
14. **L. Roshangar**, B. A. Hamdi, A. A. Khaki, J Soleimani Rad, S. Soleimani-Rad. Effect of low-frequency electromagnetic field exposure on oocyte differentiation and follicular development Journal ,VOL,NO:Advanced Biomedical Research | July - September 2013 | Vol. 2, Issue 3.
15. Mohammadreza Hosseinchi, Farhad soltanalinejad, golamreza Najafei, **Leila Roshangar**,

## Effect of Gibberellic acid on the quality of sperm and in vitro fertilization in adult male rats. *Veterinary Research Forum. 2013;* Available Online from 15 December 2013.

1. Ferdosi A, Bakhtiari M, Soleimani Rad J, **Roshangar L**, Jameie B.Study of the effect of exogenous melatonin on sperm fertility in busulfan induced oligospermic of pinealectomeized rat. Razi Journal of Medical Sciences. 2013; 20 (110).
2. Ferdosi A, Bakhtiari M, Soleimani Rad J, **Roshangar L**, Jameie B. Study of the effect of exogenous melatonin on spermatogenesis in busulfan induced oligospermic of pinealectomeized rat. Journal of Kermanshah University of Medical Sciences. 2013; 16 (6).
3. Gharamaleki H, Soleymani Rad J, Roshangar L, Vatankhah A M, Valipour A. Effect of Extremely Low-frequency electromagnetic field exposure on biomarkers of oxidative stress in pregnant rats. Journal of laboratory and diagnosis3. 2014; 6 (25) :31-35
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## Reza Heidari1, Hossein Babaei, Leila Roshangar, Mohammad Ali Eghbal.Effects of Enzyme Induction and/or Glutathione Depletion on Methimazole-Induced Hepatotoxicity in Mice and the Protective Role of N-Acetylcysteine.Advanced Pharmaceutical Bulletin2014.

1. H Babaei, **L Roshangar,**E Sakhaee, J Abshenas, R Kheirandish, R Dehghani. Ultrastructural and morphometrical changes of mice ovaries following experimentally induced copper poisoning. :Iranian Red Crescent Medical Journal. Iran Red Crescent Med J 2012; 14(9):558-568.
2. FTeimouri, , Khaki AA. **RoshangarL**. Effect of electromagnetic fields on apoptotic cells in hippocampus mithochondria of rat by TUNEL method. World of sciences journal 2013,vol.1, No 8, page 1-5.
3. Hamideh Gharamaleki, Kazem Parivar, Jafar Soleimani Rad, **Leila Roshangar**, Mehrdad Shariati. EFFECTS OF EXTREMELY LOW-FREQUENCY ELECTROMAGNETIC FIELD EXPOSURE DURING THE PRENATAL PERIOD ON BIOMARKERS OF OXIDATIVE STRESS AND PATHOLOGY OF OVARIAN TISSUE IN F1 GENERATION. [IJCRR](http://www.scopemed.org/?jid=45). [2013; 5(21)](http://www.scopemed.org/?jid=45&iid=2013-5-21.000): 23-29
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5. [Majdi A; Niknafs B; Soleimani Rad J; Tayefi H1; Abedelahi A; **Roshangar L**; Sayyhmelli M](http://www.jokulljournal.com/coredoux/search.php?searchQuery=Majdi%20%20A;%20Niknafs%20%20B;%20Soleimani%20Rad%20%20J;%20Tayefi%20H1;%20Abedelahi%20%20A;%20Roshangar%20L;%20Sayyhmelli%20%20M&search=search).[Differentiation of Human Ovarian Surface Epithelial (OSE) Stem Cells into Primary Follicles.](http://www.jokulljournal.com/coredoux/search.php?searchQuery=Majdi%20%20A;%20Niknafs%20%20B;%20Soleimani%20Rad%20%20J;%20Tayefi%20H1;%20Abedelahi%20%20A;%20Roshangar%20L;%20Sayyhmelli%20%20M&search=search) Jökull JournalISSN: 0449-05762014.

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1. [Behnaz valipour , **Leila Roshangar** \*, Jafar Soleimanirad , Camellia Hazem, Hajar Shafayi, Esmat Aghadavod](http://www.jokulljournal.com/coredoux/search.php?searchQuery=Behnaz%20valipour%20,%20Leila%20Roshangar%20*,%20Jafar%20Soleimanirad%20,%20Camellia%20Hazem,%20Hajar%20Shafayi,%20Esmat%20Aghadavod&search=search).[The effect of Eicosapentaenoic acid (omega-3) on the expression of HAS2 in cumulus cells and fertility outcome on mice. Jökull JournalISSN: 0449-05762014.](http://www.jokulljournal.com/coredoux/search.php?searchQuery=Behnaz%20valipour%20,%20Leila%20Roshangar%20*,%20Jafar%20Soleimanirad%20,%20Camellia%20Hazem,%20Hajar%20Shafayi,%20Esmat%20Aghadavod&search=search)
2. [Abbas Majdi Seghinsara,Behrooz Niknafs, Hamid Tayefi Nasrabadi, Ali Abedelahi, **Leila Roshangar**, Manijheh Sayyhmelli, Jafar Soleimani Rad](http://www.jokulljournal.com/coredoux/search.php?searchQuery=Abbas%20Majdi%20Seghinsara,Behrooz%20Niknafs,%20Hamid%20Tayefi%20Nasrabadi,%20Ali%20Abedelahi,%20Leila%20Roshangar,%20Manijheh%20Sayyhmelli,%20Jafar%20%20Soleimani%20Rad*&search=search). [Estrogen promotes GDF9 and BMP15 gene expressions in cultured ovarian surface epithelial (OSE) stem cell in women over 35 years.](http://www.jokulljournal.com/coredoux/search.php?searchQuery=Abbas%20Majdi%20Seghinsara,Behrooz%20Niknafs,%20Hamid%20Tayefi%20Nasrabadi,%20Ali%20Abedelahi,%20Leila%20Roshangar,%20Manijheh%20Sayyhmelli,%20Jafar%20%20Soleimani%20Rad*&search=search)Jökull JournalISSN: 0449-0576-2014
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**31-** Bagheri M, Mazochian H, karimi shoar M, **Roshangar L**, Soleimani Rad J. Effective education with multimedia approach: using website.4th national conference of E-learning in medical science, 15-17 February 2011.

**Books:**

Medical embryology, by Solenimani Rad J. And Roshangar Leila, 2007, 2012

From Preconception to postpartum, chapter 4,2012.

**Skills:**

**Histology and Immunohistology processing, Electron microscopy, Tissue engeineering, Stem cell isolation and characterization, Transfection method, Flow cytometry and RTPCR, Western blot, Cell culture, IVF, Tissue freezing and thawing,**

**Member of Associations:**

**-Umbilical cord stem cell research center, Tabriz University of medical sciences.**

**-Member of Iranian anatomical sciences society.**

**-Iranian society of reproductive medicine.**

**-National cell death society.**

**-Neuroscience research center.**