Curriculum Vitae

Personal information

First name: manijeh
Surname : khanmohammadi
Date & place of birth: 30/03/1983- Zanjan- Khorramdarreh/ Iran
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Education

Bachlor of Science: Biology in College of Science , Tarbiat Moallem university, Tehran
Master of Science: Animal physiology in School of Biology ,College of Science ,University of Tehran

Employment and degree

Speciality: Stem cell &Tissue engineering
Academic Status: Master of Science
Address: stem cells and embryology department - Reproductive Biotecnology Research Center- Avicenna Research Institute- Shahid Beheshti University- Evin-Tehran-Iran
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Laboratory Skills

- Cell Culture Techniques.
-Working and Handling with laboratory animals(Rat & Rabbit).
- Isolation and culture of human mesenchymal stem cells & human Menstrual Blood Stem Cells.
- Tissue and cells staining (H&E, IHC, ICC)
- Western blot Techniques.
- PCR , RT PCR & Real Time PCR.

Research interest

Stem cells and differentiation
Tissue engineering
Cell signaling and molecular pathway
Immunology
Reproductive

Research Projects

1- Study of Wnt/β-catenin signaling pathway in rat granulosa cells using human recombinant SFRP4 (finished).

2- Comparison of phenotypic and genotypic characteristics, nature, proliferation and differentiation potential of human menstrual blood derived stem cells with bone marrow derived mesenchymal stem cells (to be continued).

3- Hepatic differentiation of menstrual blood derived stem cells (finished).

4- In vivo evaluation of chondrocytes differentiated from menstrual blood derived stem cells on three-dimensional hydrogel in rabbit defects models. (to be continued).

Presented papers in international conferences

1- **Khanmohammadi Manijeh**, Sahranavard Parisa, Hossein Ghamartaj, Kazemnejad Somayeh. Wnt signaling involvement in rat ovarian steroidogenesis. the 16th national and 1th international congress on reproductive medicine held on March 2010 in shiraz- Iran. (oral presentation).

2- **Khanmohammadi Manijeh**, Hossein Ghamartaj, Kazemnejad Somayeh, Sahranavard parisa. Secreted Frizzeled Related protein type-4 as an Inducer of Apoptosis and Terminal Differentiation of Rat Granulosa Cells. royan international twin congress , the 11th congress on reproductive biomedicine & 6th congress on stem cell biology and technology held on September 2010 in Tehran –Iran. (poster presentation).

3- Sahranavard parisa, Hossein Ghamartaj, Kazemnejad Somayeh, **Khanmohammadi Manijeh**. Modulation of wnt/beta catenin and akt signaling activities in rat granulose cells by using recombinant Secreted Frizzeled Related protein type-4. royan international twin congress , the 11th congress on reproductive biomedicine & 6th congress on stem cell biology and technology held on September 2010 in Tehran –Iran. (poster presentation).

4- Somaieh Kazemnejad, Mohammadmehdi Akhondi, Amirhasan Zarnani, Masoud Soleimani, Saeideh Darzi, **Khanmohammadi Manijeh** . Effect of lithium chloride on b-catenin expression, proliferation and osteogenic differentiation of human menstrual blood derived stem cells. Tissue Engineering & Regenerative medicine International Society, 2010 Asia Pacific Meeting, Australia (oral & poster presentation).

5- Sayeh Khanjani, Haleh Edalatkhah, **Manijeh Khanmohammadi** Saeed, Talebi, Amir Hasan Zarnani, Mohammad mehdi Akhondi, Kazemnejad Somaieh. The study of phenotypic and genotypic characteristics of human menstrual blood- versus bone

marrow- derived stem cells. Iranian congress on biology and application of stem cells held on April 2011 in Mashhad-Tehran (oral presentation).

6- Hossein Ghamartaj, **Khanmohammadi Manijeh**, Sahranavard Parisa, Kazemnejad Somaieh, Akhoondi Mohammad mehdi. Crosstalk between Wnt/βcatenin and Akt/PI3kinase pathways in relation with rat granulosa cells terminal differentiation and apoptosis.4thYazd International Congress and Student Award in Reproduction Medicine held on April 2011 in Yazd-Tehran (poster presentation).

7- **Manijeh Khanmohammadi**, Somaieh Kazemnejad, Saeideh Darzi, Sayeh Khanjani, Amir Hasan Zarnani, Mohammadmehdi Akhondi. Expression profiling and differentiation potential of menstrual blood derived stem cells compared with stem cells derived from human bone marrow**.** 27th Annual Meeting of ESHRE on july 2011 in Stockholm –Sweden(poster presentation).

8- Sayeh Khanjani, Haleh Edalatkhah, Saeed Talebi, Amir Hasan Zarnani, **Manijeh Khanmohammadi**, Mahsa Sani Bakhtiari, Somaieh Kazemnejad. Evaluation of hepatogenic differentiation potential of menstrual blood derived stem cells. 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry & Molecular Biology on September 2011 Mashhad, Iran (poster presentation).

9- **Manijeh Khanmohammadi**, Sayeh khanjani, Haleh Edalatkhah, Saeed Talebi, Mohammad Mehdi Akhondi, Somaieh Kazemnejad. Condrogenic differentiation of menstrual blood derived stem cells. 9th International Congress on Obstetrics and Gynecology on November 2011 Tehran- Iran (Oral presentation).

10- Sayeh Khanjani, **Manijeh Khanmohammadi**, Haleh Edalatkhah, Saeed Talebi, Mohammad Mehdi Akhondi, Somaieh Kazemnejad. Differentiation potential of menstrual blood derived stem cells into hepatocyte- like cells. 9th International Congress on Obstetrics and Gynecology on November 2011 Tehran- Iran (poster presentation).

11- **Manijeh Khanmohammadi**, Somaieh Kazemnejad, Sayeh Khanjani, Arash Mohazzab, Haleh Edalatkhah, Haleh Soltangharaee, Mohammad Mehdi Akhondi. Chondrogenic and adipogenic differentiation potential of menstrual blood- versus bone marrow-derived stem cells. 10th Anuual Meeting ISSCR on June 2012 Yokohama- Japan. (poster presentation).

12- Sayeh Khanjani, Somaieh Kazemnejad, **Manijeh Khanmohammadi**, Mahsa Sani Bakhtiary, Forogh Torabi, Nazila Amini, Amir Hasan Zarnani, Nasim Hayati Roudbari. Evaluation of hepatogenic differentiation potential of menstrual blood derived stem cells. 10th Anuual Meeting ISSCR on June 2012 Yokohama- Japan. (poster presentation).

13- Somaieh Kazemnejad, Mahsa Sani Bakhtiary, Sayeh Khanjani, **Manijeh Khanmohammadi,** Masoud Soleimani, Mohammad Mehdi Akhondi. Hepatogenic differentiation of menstrual blood derived stem cells on a three dimensional nanofibrous scaffold. 10th Anuual Meeting ISSCR on June 2012 Yokohama- Japan. (poster presentation).

14- Somaieh Kazemnejad, Sahba Mobini, Mohammad Mehdi Akhondi, Masoud Taghizadeh, **Manijeh Khanmohammadi**, Hamed Heidari, Sayeh Khanjani, Mohammad Mehdi Naderi, Ahad Muhammadnejad, Iran Efficient repair of cartilage defect using chondrocyte/silk based scaffold constructs. Tissue Engineering & Regenerative medicine International Society, 2013 Istanbul Conference (oral & poster presentation).

Publications of papers

1- Kazemnejad Somayeh, Akhondi Mohammad-Mehdi, Soleimani Masoud, Zarnani Amir Hassan, **Khanmohammadi Manijeh**, Darzi Saeedeh. Characterization and chondrogenic differentiation of menstrual blood- derived stem cells on a nanofibrous scaffold. The Int J of Artificial Organs. 2012, 35(1):55-66.

2- Ghamartaj Hossein, **Manijeh Khanmohamadi**, Neda Jarooghi, Somayeh Kazemnejad. Evidence for an association of Wnt-independent βcatenin intracellular localization with ovarian apoptotic events in normal and PCO-induced rat ovary. J of PBS. 2011, 1(2): 1-10.

3- Saeede Darzi, Amir Hassan Zarnani, Mahmood Jeddi-Tehrani, K Entezami Ebrahim Mirzadegan, Mohammad Mehdi Akhondi, Saeed Talebi, **Manijeh Khanmohammadi**, Somaieh Kazemnejad. Osteogenic differentiation of menstrual blood- versus bone marrow-derived stem cells in the presence of human platelet releasate. J of tissue engineering 2012, 18:1720-1728.

4- **Manijeh Khanmohammadi,** Sayeh Khanjani, Mahsa Sani Bakhtiari, Amir Hassan Zarnani, Haleh Edalatkhah, Mohammad Mehdi Akhondi, Ebrahim Mirzadegan, Kourosh Kamali, Kamran Alimoghadam, Somaieh Kazemnejad. Proliferation and chondrogenic differentiation potential of menstrual blood- versus bone marrow-derived stem cells in two-dimensional culture. Int J of hematology. 2012, 95(5): 484-493.

5- Somaieh Kazemnejad, Amir Hasan Zarnani, **Manijeh Khanmohammadi**, Sahba Mobini. Chondrogenic differentiation of menstrual blood- derived stem cells on nanofibrous scaffolds. Methods Mol Biol 2013, in press.

6- Sayeh Khanjani, **Manijeh Khanmohammadi**, Saeed Talebi, Haleh Edalatkhah, Amir Hassan Zarnani, Saman Eghtesad, Somaieh Kazemnejad. Efficient generation of functional hepatocyte-like cells from menstrual blood derived stem cells. J Tissue Eng Regen Med 2013 in press. First & secons authors contributed equally to this study.

7- Somaieh Kazemnejad, **Manijeh Khanmohammadi,** Amir Hassan Zarnani, I.Nikokar, S.Saghari. Role of Wnt signaling on proliferation of menstrual blood derived stem cells. 2013, 9(1): 8-12.