

## Curriculum Vitae



### Seyed Hadi Anjamrooz

#### Personal Information:

**Name:** Seyed Hadi Anjamrooz  
**Correspondence:** Department of Anatomical Sciences, School of  
Medicine Kurdistan University of Medical Sciences.  
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#### Education:

Level and Field	Years Attended	Educational Establishment
B.Sc. in Physiotherapy	Oct 1995 – Jun 1999	Shiraz University of Medical Sciences , Iran
M.Sc. in Anatomical Sciences	Oct 1999 – Oct 2001	Tarbiat Modarres University , Iran
Ph.D. in Anatomical Sciences	Oct 2001- Feb 2006	Tarbiat Modarres University , Iran

#### Positions:

Head of Departments of Anatomical Sciences and Genetics, School of Medicine, Kurdistan University of Medical Sciences from January 2011.

Academic member of Research Council at Medical School of Kurdistan University of Medical Sciences from January 2011.

Editorial Board Member of *American Journal of Stem Cell Research* from December 10th, 2011.

Academic member of Rafsanjan University of Medical Sciences from October 2006- January 2011

Academic member of Fertility and Infertility Research center, Shahid Beheshty University of Medical Sciences, October 2005-2006

### **Theses:**

The thesis to fulfill the B.Sc. degree presented to Shiraz University of Medical Sciences entitled: "A standard physical therapy department." **Anjamrooz SH**, Ebrahimi M. (Supervisor).

The thesis to fulfill the M.Sc. degree presented to Tarbiat Modarres University entitled: "Investigation of cell death in the thymus after cadmium administration in mice." **Anjamrooz SH**, Niknafs B. (Supervisor), Tiraihi T. (Co-Advisor).

The thesis to fulfill the Ph.D. degree presented to Tarbiat Modarres University entitled: "Spermatogonial stem cell transplantation after cryopreservation." **Anjamrooz SH**, Movahedin M. (Supervisor), Mowla SJ and Tiraihi T. (Co-Advisors).

### **Laboratory skills:**

- Production of transgenic mouse by pronuclear microinjection
- Isolation and culture of mMSCs
- Isolation and culture of spermatogonial stem cells
- Isolation and culture of Sertoli cells
- Generation of azoospermic mouse model
- Murine vasectomy
- Embryo transfer in mice
- Mouse cesarean
- Flow cytometry techniques
- Cryopreservation techniques
- Light microscopy techniques
- Morphometric techniques
- Histochemistry, Immunohistochemistry
- Cell culture and differentiation
- Intracytoplasmic sperm injection (ICSI) techniques
- In vitro fertilization (IVF) techniques
- Sperm morphometric analysis
- Electron microscopy techniques
- Physical therapy modalities application: Ultrasound, Ultraviolet,

Microwave and etc.

### Awards:

The award for the paper titled "Cell memory-based therapy." 2015, Medical School, Kurdistan University of Medical Sciences, Sanandaj, Iran.

The best poster award for presentation of a poster entitled "In vitro effects of epidermal growth factor, follicle stimulating hormone and testosterone on mouse spermatogonial cell colony formation." at the Sixth Royan International Congress, 7-9 September 2005, Tehran, Iran.

The best award for presentation of a research plan entitled "Transplantation of the frozen/thawed spermatogonial stem cells from neonatal mouse testes to azospermic mice." at the 7th Royan International Congress, Tehran, Iran.

The best awards for presentation of a paper with title of "A new approach for germ cell transplantation assessment, along with avenues for enhancement of the graft efficiency in azoospermic mouse model." At the first international student award in reproductive medicine, 27-28 December 2005, Yazd, Iran.

### Published Articles

**Anjamrooz SH.** Cell Reprogramming: Mirage or Reality? *J Stem Cell Res Ther* 2017, Vol 7(11): 408

**Anjamrooz SH.** CMD kinetics and regenerative medicine. *Am J Transl Res.* 2016;8(3): 1615–1624.

**Anjamrooz SH.** Cell memory-based therapy. *J Cell Mol Med.* 2015;19(11):2682-9.

Rostamzadeh A, **Anjamrooz SH**, Fathi F, Rezaie MJ, Roshani D. Assessment of Potential Effects of Magnetic Resonance Imaging on Adult Male Mouse Fertility. *Journal of Ilam University of Medical Sciences.* 2015; 23 (4): 41-52.

Abdi M, Zare S, Fathi F, **Anjamrooz SH**, Rezaei J, Rostamzadeh J. Generation of induced pluripotent stem cells from mesenchymal stem cells of human umbilical cord vein. *Scientific Journal of Kurdistan University of Medical Sciences* 2014; 19 (1): 78-87

**Anjamrooz SH.** The cellular memory disc of reprogrammed cells. *Stem Cell Rev.* 2013; 9(2):190-209.

**Anjamrooz SH.** Biceps sternalis: a Y-shaped muscle on the anterior chest wall. *J Cardiothorac Surg.* 2013; 8:38.

**Anjamrooz SH, Azari H.** Coexistence of multiple anomalies in the hepatobiliary system. *Anat Cell Biol.* 2012; 45(1):62-5.

**Anjamrooz SH, Taghavi MM, Abedinzadeh M, Yazdi SM, Azari H.** Coexistence of multiple arterial variations in the genitourinary system. *Ital J Anat Embryol.* 2013; 118(1):128-35.

**Anjamrooz SH, Azari H, Abedinzadeh M.** Abnormal patterns of the renal veins. *Anat Cell Biol.* 2012 Mar;45(1):57-61.

**Anjamrooz SH.** Trinity is a numerical model of the holographic universe. *Int J Phys Sci.* 2011;6(2):175-181.

**Anjamrooz SH, McConnell DJ, Azari H.** The cellular universe: A new cosmological model based on the holographic principle. *Int J Phys Sci.* 2011;6(9):2175-2183.

Salehi H, **Anjamrooz SH.** Successfully treated stump appendicitis diagnosed by CT and ultrasonography. *Indian J Surg.* 2008, 70:89-91.

**Anjamrooz SH, Movahedin M, Mowla SJ, Bairanvand SP.** Assessment of morphological and functional changes in the mouse testis and epididymal sperms following busulfan treatment. *Iran Biomed J.* 2007 Jan; 11(1):15-22.

**Anjamrooz SH, Movahedin M, Tiraihi T, Mowla SJ.** In vitro effects of epidermal growth factor, follicle stimulating hormone and testosterone on mouse spermatogonial cell colony formation. *Reprod Fertil Dev.* 2006; 18(6):709-20.

**Anjamrooz SH, Movahedin M, Tiraihi T, Mowla SJ.** Graft efficiency of co-cultured spermatogonial cells using sperm assay in epididymal lumen of recipient mice. *Cell Journal (Yakhteh)* 2006; 7(4):242-249.

Movahedin M, Kruji SM, **Anjamrooz SH.** Assessment of epidermal growth factor on development of preimplantation mouse embryos. *J. Iran. Anatomical Sci.* 2003, 2:31-37.

## Presented theories

### **CMD theory (2013-2017)**

Cell Reprogramming: Mirage or Reality? *J Stem Cell Res Ther* 2017, Vol 7(11): 408

CMD kinetics and regenerative medicine. *Am J Transl Res.* 2016;8(3): 1615–1624.

Cell memory-based therapy. *J Cell Mol Med.* 2015;19(11):2682-9.

The cellular memory disc of reprogrammed cells. *Stem Cell Rev.* 2013; 9(2):190-209.

### **Cellular universe (2011)**

The cellular universe: A new cosmological model based on the holographic principle. Int J Phys Sci. 2011;6(9):2175-2183.

### **Numerical model of the holographic universe (2011)**

Trinity is a numerical model of the holographic universe. Int J Phys Sci. 2011;6(2):175-181.

### **Under review and Submitted manuscripts:**

**Anjamrooz SH.** Quantum kinetics of the cell evolution

**Anjamrooz SH.** Quantum kinetics of the aging process

**Anjamrooz SH.** The singularity in cancer medicine

**Anjamrooz SH.** The CMD's quantum gateways: new insight into cell behaviour

**Anjamrooz SH.** CMD superposition and its possible medical applications

**Anjamrooz SH.** CMD configuration and its possible medical applications

**Anjamrooz SH.** CMD's communication system and its possible medical applications

**Anjamrooz SH.** CMD's extra dimensions and its possible medical applications

### **Books**

Asrin Rashidi, **Seyed Hadi Anjamrooz.** An introduction to gene knockout protocols. ISBN: 978-600-04-4083-1, DDC: 572/865, NBN: 4069446.

### **The research projects in progress include:**

**Anjamrooz SH,** Jalili A, Rezaie MJ, Alikarami A, Daneshi E, Abdi M, Raoshani D, Nikkho B. Assessment of anti-tumor effect of conditioned medium of bone marrow-derived human mesenchymal stem cells on acute myeloid leukemia cells. Cellular and Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran.

Rezaie MJ, **Anjamrooz SH,** Jalili A, Adeli F, Raoshani D, Abouzari M, Ghaderi B. Assessment of anti-tumor effects of conditioned medium of human embryonic stem cells on acute myeloid leukemia cells. Cellular and Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran.

## Presentation at Congress, Seminars and Scientific Meetings:

**Anjamrooz SH.** Cellular memory disc of the reprogramming cells Presented at the ISSCR 10<sup>th</sup> Annual Meeting, June 13 -16, 2012, Yokohama, Japan.

**Anjamrooz SH, Movahedin M, Tiraihi T, Mowla J.** In vitro effects of epidermal growth factor, follicle-stimulating hormone and testosterone on spermatogonial stem cell colonization. Has been accepted for presentation at the 38th Annual Meeting of the Society for the Study of Reproduction, 24-27 July 2005, Quebec City, Canada

**Anjamrooz SH, Movahedin M, Tiraihi T, Mowla J.** Effect of Busulfan on sperm parameters and structure of adult mouse testis. Accepted for oral Presentation at the 13th World Congress on *In Vitro Fertilization -Assisted Reproduction & Genetics* (Istanbul, Turkey, May 26-29, 2005)

**Anjamrooz SH, Movahedin M, Tiraihi T, Mowla J.** Cryopreservation of spermatogonial cells reduces their proliferation both in vitro and in vivo . Presented at 4th Asian-Pasific, International Congress of Anatomists, 7-10 September 2005, Kusadasi-Turkey.

Namavari M, Janzadeh N, Movahedin M, Tiraihi T, **Anjamrooz SH.** The effect of cold injury on sensory-motor cortex of mouse. Presented at 4th Asian-Pasific, International Congress of Anatomists, 7-10 September 2005, Kusadasi-Turkey.

**Anjamrooz SH, Niknafs B, Tiraihi T.** Type of cell death induced by Cadmium in thymus. Presented at the 6th International Congress of Anatomical Sciences, Shiraz, Iran.

Movahedin M, Koruji SM, **Anjamrooz SH.** 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology, Tehran, Iran, 2003

Movahedin M, Koruji SM, **Anjamrooz AH.** 9<sup>th</sup> Annual Scientific Meeting of Middle East Fertility Society, Cairo, 2002

**Anjamrooz SH, Movahedin M, Tiraihi T, Mowla J.** "A new approach for germ cell transplantation assessment in azoospermic mouse model." Presented at the first international student award in reproductive medicin , 27-28 December 2005, Yazd, Iran.

**Anjamrooz SH, Movahedin M, Tirahi T, Mowla J.** In vitro effects of epidermal growth factor, follicle stimulating hormone and testosterone on mouse spermatogonial cell colony formation." Presented at the Sixth Royan International Congress, September 7-9, 2005, Tehran, Iran.

**Anjamrooz SH, Movahedin M, Mowla J.** Effect of Busulfan on the testicular parameters. Presented at the 6<sup>th</sup> International Meeting of Anatomical Sciences Society, Shiraz, Iran, 2004

Movahedin M, Koruji SM, **Anjamrooz** SH. Assessment of epidermal growth factor on development of preimplantation mouse embryos. Presented at the 9<sup>th</sup> Annual Scientific Meeting of Middle East Fertility Society, Cairo, Egypt, 2002.

**Anjamrooz** SH, Movahedin M, Nowroozi MR. The morphometry and tissue culture of human seminiferous tubule. Presented at the 7<sup>th</sup> Royan Award, Tehran, Iran, 2006.

### **Lecturers:**

Lecturer on “Isolation of spermatogonial stem cells and sertoli cells from neonatal mouse testis”, in weekly scientific seminars of Anatomical sciences department, Tarbiat Modarresu University, (2005).

Lecture on “Azoospermic mouse model” in weekly scientific seminars of Anatomical sciences department, Tarbiat Modarres University, Tehran, Iran (2004).

Lecture on “Mous Spermatogonial Stem Cells Isolation and Culture” in monthly scientific seminars in Fertility and Infertility Research center, Shahid Beheshty University of Medical Sciences, Tehran, Iran, (November 2005)

Lecture on “Reflexology a complementary medicine”, School of medicine, Rafsanjan University of Medical Sciences, Rafsanjan, Iran (January 2008)

### **Teaching:**

**1999 - 2000:** Instructor in chest anatomy for students of medical physics, Tarbiat modares university, Tehran, Iran.

**2000 - 2001:** Instructor in Histotechniques for Msc Anatomical sciences students, Trbiat modares university, Tehran, Iran

**2000-2001:** Instructor of biology for biology Teachers of Tehran high schools.

**2001 - 2002:** Instructor in neuroanatomy for Msc and PhD students, Tarbiat modares university, Tehran, Iran.

**2002 - 2004:** Instructor in Embryology for Dentists and Physicians, Jahad Daneshgahi of Iran University of Medical Sciences.

**2006 - 2011:** Instructor in Embryology and Anatomy for dentistry and medical students, Rafsanjan University of Medical Sciences.

**2011 - 2016:** Instructor in Anatomy and Neuroanatomy for Postgraduate, Dentistry and Medical Students, Kurdistan University of Medical Sciences.

**2016 - 2018:** Instructor in Anatomy and Neuroanatomy for Undergraduate, Postgraduate, Dentistry and Medical Students, Shiraz University of Medical Sciences.

### **Certifications:**

Certification for participation in theoretical and practical workshop entitled "*Design and construction of knockout targeting vector*" 1-6 Feb 2015, Cellular and Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran.

Certification for participation in theoretical and practical workshop entitled "*Isolation and culture of mesenchymal stem cells (MSCs) from mouse bone marrow*" 1 July 2013, Cellular and Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran.

Certification for participation in theoretical and practical workshop entitled "*Culture and differentiation of mouse embryonic stem cells into cardiomyocytes*" 2 July 2013, Cellular and Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran.

Certification for participation in theoretical and practical workshop entitled "*Transfection of mouse embryonic stem cells by lipofection and electroporation methods*" 3 July 2013, Cellular and Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran.

Certification for participation in theoretical and practical workshop entitled "*Mouse in vitro fertilization, embryo culture and transfer into the uterus*" 4 July 2013, Cellular and Molecular Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran.

Certification for participation in theoretical and practical workshop entitled "*Experimental Microinjection*" 21-23 Feb 2005, Iranian Society for Reproductive Medicine.

Certification for participation in training workshop in theoretical and practical *RT-PCR*. Held at Genetic Department, Tarbiat modarres University, 7-8 Sep 2004.

Certification for presenting a research entitled "*A new approach for germ cell transplantation assessment in azoospermic mouse model*" in the 1<sup>st</sup> Yazd International Student Award in Reproductive Medicine, Yazd, Iran, 28-29, December, 2005.

Certification for oral presentation of a lecture entitled "*Stem cells*" in the 7th Iranian medical sciences students' annual research, Tehran, Iran.

Certification for oral presentation of a lecture entitled "*Spermatogonial Stem cells*" in the 12th Iranian fertility and infertility congress, 9-10 murch 2006, Tehran, Iran.



Certification for oral presentation of a lecture entitled " *Nursing role of Sertoli cells during cryopreservation of spermatogonial stem cells*" In the 13th Iranian fertility and infertility congress, 2007, Tehran, Iran.

گواهی شرکت در کرسی آزاد اندیشی با موضوع " **مهاجرت نخگان**" ۲۰ اردیبهشت ۱۳۹۰، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در طرح آموزشی ضیافت اندیشه استادان با موضوع " **اخلاق حرفه ای**"، ۲۰ اردیبهشت ۱۳۹۰، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در " **جلسه طراحی سوالات علوم پایه**"، ۶ شهریور ۱۳۹۳، دانشکده پزشکی، دانشگاه علوم پزشکی همدان.

گواهی شرکت در " **جلسه طراحی سوالات علوم پایه**"، ۱۶ اسفند ۱۳۹۳، دانشکده پزشکی، دانشگاه علوم پزشکی همدان.

گواهی شرکت در " **گردهمایی اساتید مشاور**"، ۶ اسفند ۱۳۹۳، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در کارگاه " **چگونگی تدوین فرآیند های آموزشی جشنواره شهید مطهری**"، بهمن ۱۳۹۳، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در کارگاه " **چگونگی تدوین فرآیند های آموزشی جشنواره شهید مطهری**"، ۷ اسفند ۱۳۹۳، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در " **گردهمایی اساتید مشاور**"، بهمن ۱۳۹۳، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در کارگاه " **کرسی آزاد اندیشی**"، بهمن ۱۳۹۳، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در کارگاه " **اخلاق حرفه ای**"، شهریور ۱۳۹۳، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در کارگاه " **حقوق مالکیت فکری در حوزه پزشکی**"، ۲۴ و ۳۰ مهر ۱۳۹۴، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در کارگاه دو روزه " **مقدمات مطالعات کیفی**"، ۲۳ و ۲۴ دی ۱۳۹۴، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در کارگاه یک روزه " **آموزش عدالت محور و پاسخگو**"، ۱۷ دی ۱۳۹۴، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در کارگاه " **هم اندیشی تحول و نوآوری در آموزش علوم پزشکی**"، ۱۶ مهر ۱۳۹۴، دانشکده پزشکی، دانشگاه علوم پزشکی کردستان.

گواهی شرکت در " **جلسه طراحی سوالات جامع علوم پایه**" ۲۹ اسفند ۱۳۹۴، دانشکده پزشکی، دانشگاه علوم پزشکی کرمانشاه.

