

**In the name of God**

**CURRICULUM VITAE (CV)**

**Tahereh Haghpanah, PhD,  
Assistant Professor of Reproductive Biology**



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**Present Position and Address:**

Assistant Professor of Reproductive biology,

Department of Anatomy, Faculty of Medicine, Kerman University of Medical Sciences, Kerman, Iran.

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**Personal Information:**

**Name:** Tahereh Haghpanah

**Sex:** Female

**Nationality:** Iranian

**Marital Status:** Married

**Date of Birth:** 1984

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### **-Academic Training:**

- **Ph.D (2010-2015): Reproductive biology, Shahid Beheshti University of Medical Sciences, Tehran, Iran.**

Title of PhD Research project: Evaluation of miR 15a and miR 16-1 expression in human embryo derived from intracytoplasmic sperm injection (ICSI) into in vitro matured oocyte (Supervised by Dr M.Salehi& Prof. M.Ghaffari novin).

- **M.Sc. (2006-2009): Physiology, Shahid bahonar university of kerman, Kerman, Iran.**

Title of MSc Research project: Effect of REM sleep deprivation during pregnancy on long term potentiation (LTP) in the hippocampal CA1 area of adult male offspring rats (Supervised by Prof. v. sheibani & prof. M. Abbasnejad).

- **BSc. (2002-2006): Biology, University of Alzahra, Tehran, Iran.**

### **Honours**

- Preponderant Student of 10<sup>th</sup> shahid Motahari educational festival of Shahid beheshti University of Medical Sciences, Tehran, Iran, 2015.
- A member of “Talent student committee”, Shahid beheshti University of Medical Sciences, Tehran, Iran, 2014.
- Preponderant Student of Shahid beheshti University of Medical Sciences, Tehran, Iran, 2012.

### **Responsibilities:**

- Research Officer of Anatomy Dep Anatomy, Kerman University of Medical Sciences.
- Lab expert of. Anatomy Dep, Kerman University of Medical Sciences.

## **Teaching Experience:**

\*Education of pre-implantation embryo development, reproductive system histology and cell biology for Medical, Dentistry and Midwifery students.

## **Teaching in Workshops:**

In vitro fertilization & Gene transfer by Pronuclear Microinjection. 1<sup>st</sup> stem cell technology research center summer school, 2014.

## **Skills:**

Animals Handling

Oocyte in vitro maturation (IVM) (Animal & Human)

In vitro fertilization (IVF) in laboratory animals & human.

PCR, RT PCR and Electrophoresis

Real time PCR & Single cell Real time PCR on oocyte & embryo.

Sperm DNA fragmentation (SDF) assessment

TUNEL staining (embryo, oocyte and reproductive tissue).

SPSS Software

Histolab software

End note Software in Animal

Behavioral Tests in Animal

**Laboratory Setup:**

Real time PCR setup in molecular Lab.

**Book:**

Prenatal screening and diagnosis methods; Seyed noreddin nematollahi-mahani, abolfazl Yari, Milad Babasalari, Zahra Miri, Tahereh Hahpanah.

**Lecture:**

Research Ethics on human samples and tissues. Kerman University of Medical Sciences, Kerman, Iran, 2018.

**Training in Workshops and Congresses:**

- Certificate of 4 th International congress of reproduction-ISERB, Tehran, Iran. 2018
- Certificate of Statistics, Neuroscience Research Center, Kerman, Iran. 2018.
- Certificate of primer design, Hydatid research center, Kerman University of Medical Science, Iran, 2016.
- Certificate of cell culture, Anatomy Dep, Kerman University of Medical Science, Iran, 2015.
- Certificate of summer school on stem cells, miRNA and Tissue engineering, stem cell technology research center, Tehran, Iran, 2014.
- Certificate of SPSS software, Shahid beheshti medical sciences, Tehran, Iran, 2014.

- Certificate of pre-implantation genetic diagnosis, Shahid beheshti medical sciences, Tehran, Iran, 2012.
- Certificate of 13<sup>th</sup> international congress of reproductive medicine, Royan, Tehran, Iran, 2012.
- Certificate of Behavioral methods in Neuroscience Workshop, Kerman Neuroscience Research center, Kerman University of Medical Science, Iran 2013.
- Certificate of 2<sup>th</sup> congress of reproduction biology, Shahid sadoughi, university Yazd, Iran. 2012.
- Certificate of 4<sup>th</sup> Yazd International congress and student award in reproductive medicine, Shahid sadoughi, Yazd, Iran. 2011.
- Certificate of PCR and Western Blot Workshop, Kerman Neuroscience Research center, Kerman University of Medical Science, Iran 2009.
- Certificate of Writing review Article, Kerman University of Medical Science, Iran 2007.
- Certificate of research ethic on laboratory animal, Neuroscience Research Center, Kerman, Iran. 2007.
- Certificate of 19<sup>th</sup> national physiology and pharmacology congress, Shahid Beheshti medical sciences, Tehran, Iran. 2006.

### **Published Articles in International and National Scientific and Research Journals:**

- 1- Fahimeh Pourjafari, Tahereh Haghpanah\*, Seyed Noreddin Nematollahi-mahani, Fariba Pourjafari, Masood Ezzatabadipour. "Hydroalcoholic extract and seed of Foeniculum

vulgare improve folliculogenesis and total antioxidant capacity level in F1 female mice offspring”. BMC Complementary Medicine and Therapies 2020.

- 2- Mahdiyeh Zare, **Tahereh Haghpanah\***, Majid Asadi-shekari, Seyed Hasan Eftekhari-Vaghefi.”The prophylactic effect of date palm (Phoenix dactylifera L.) fruit extract on testicular toxicity induced by formaldehyde: An experimental study”. International Journal of Reproductive BioMedicine 2020.
- 3- Mansoureh Sabzalizadeh, Mohammadreza Afarinesh, Fatemeh Mafi, Elahe mousanejad, **Tahereh Haghpanah**, Fatemeh Golshan, Faezeh Koohkan, Massood Ezzatabadipour, Vahid Sheiban “Alcohol and nicotine co-Administration during pregnancy and lactation periods alters sensory discrimination of adult NMRI mice offspring”. Physiology and 2020.
- 4- Kobra Bahrampour Juybari, Gholamreza Sepehri, Manzume Shamsi Meymandi, Seyyed Sajjad Vakili Shahrabaki, Amirhossein Moslemizadeh, Nima Saeedi, Azadeh Aminzadeh, Masoumeh Nozari, Mohammad Khaksari, **Tahereh Haghpanah**, Hamideh Bashiri. “Sex dependent alterations of resveratrol on social behaviors and nociceptive reactivity in VPA-induced autistic-like model in rats”. Neurotoxicology and Teratology 2020.
- 5- Esmail Sadein, **Tahereh Haghpanah**, Seyed noreddin nematollahi-mahani, Masood Ezzatabadipour.”Mancozeb exposure during development and lactation periods results in decreased oocyte maturation, fertilization rates, and implantation in the first-generation mice pups”. Toxicology and Industrial Health 2019.
- 6- Mohammad Reza Afarinesh, Faezeh Shafiei, Mansoureh Sabzalizadeh, **Tahereh Haghpanah**, Mahdieh Taheri, Shahrnaz Parsania, Fatemeh Golshan, Vahid Sheibani. “Effect of mild and chronic neonatal hypothyroidism on sensory information processing in a rodent model: A behavioral and electrophysiological study”. Brain research bulletin 2020.
- 7- Mohammad Salehi, Mohammad reza Afarinesh, **Tahereh Haghpanah\***, Marefat Ghaffari Novin, Fattaneh Farifteh. “Impact of sperm DNA fragmentation on ICSI outcome and incidence of apoptosis of human pre-implantation embryos obtained from in vitro matured MII oocytes”. Biochemical and Biophysical Research Communications 2019.

- 8- Fahimeh Pourjafari, **Tahereh Haghpanah**, Fariba Sharififar, Seyed Nouredin Nematollahi-Mahani, ali Afgar, Gholamreza Asadikaram. “Protective effects of hydro-alcoholic extract of foeniculum vulgare and linum usitatissimum on ovarian follicle reserve in the first-generation mouse pups”. Heliyon 2019 (In press).
- 9- Esmaeil Saddein, **Tahereh Haghpanah**, Seyed Nouredin Nematollahi-Mahani, Fatemeh Seyedi, Massood Ezzatabadipour. “Preventative Effects of Vitamin E on Testicular Damage and Sperm Parameters in the First-Generation Mice Pups due to Pre- and Postnatal Mancozeb Exposure”. Journal of Toxicology 2019.
- 10- Mahdi Heydari, **Tahereh Haghpanah**, Esmaiel Saddein, Massood Ezzatabadipour. “Vitamins E and C prevent apoptosis of testicular and ovarian tissues following mancozeb exposure in the first-generation mouse pups”. Toxicology and industrial health 2019.
- 11- Sepideh Ganjalikhan hakemi, **Tahereh Haghpanah\***, Fariba Sharififar, Abdolreza babae, and Seyed Hassan Eftekhari-vaghefi. “The Effects of Olive Leaf Extract on The Testis, Sperm Quality and Testicular Germ Cell Apoptosis in Male Rats Exposed to Busulfan”. International journal of fertility and sterility 2018.
- 12- G Behzadi, MR Afarinesh, **T Haghpanah**. “Alteration of the nucleus basalis of Meynert afferents to vibrissae-related sensory cortex in de-whiskered adolescent congenital hypothyroid rats”. Biochemical and Biophysical Research Communications 2018.
- 13- Afarinesh Mohammad Reza, Akhtardanesh Baharak, **Haghpanah Tahereh**, Golshan Fatemeh, Meftahi Gholam Hossein, Ghanbarpour Niousha, Fakhri Ayoob, Sheyshoei Saeed, Sheibani Vahid. “Urban traffic noise pollution disturbs spatial learning and memory and increases anxiety-like behavior in male rats”. Physiology & Pharmacology 2018.
- 14- Mahdieh Taheri, **Tahereh Haghpanah**, Gholam Hossein Meftahi, Mohsen Abedini Esfahlani, Fatemeh Gloshan, Khadijeh Esmailpour, Iman Znangiabadi, Yaser Masoumi-Ardakani, Fatemeh Nouri, Vahid Sheibani, Mohammad Reza Afarinesh. “Mild Permanent

Chronic Thyroid Hormones Insufficiency Induces Cognitive Dysfunction in the Adult Male and Female Rats”. Journal of Applied Pharmaceutical Science 2018.

- 15- **Tahereh Haghpanah**, Tarlan Eslami-Arshaghi, Mohammad Reza Afarinesh, Mohammad Salehi. “Decreased Fertilization: Human sperm DNA Fragmentation and in vitro maturation of oocyte in stimulated ICSI cycles”. Acta Endocrinologica 2017.
- 16- **Tahereh Haghpanah**, Mohammad Salehi, Marefat Ghaffari Novin, Reza Masteri Farahani, Maryam Dehghani-Mohammadabadi, Hadi Azimi and Fatemeh Fadaei-Fathabadi. “Does sperm DNA fragmentation level affect further developmental potential and incidence of apoptosis following one blastomere biopsy performed for preimplantation genetic diagnosis (PGD)?” . Systems biology in reproductive medicine 2016.
- 17- Gholamreza Sepehri, Shahnaz Parsania, **Tahereh Haghpanah** Mousa-Al-Reza Hajzadeh, Vahid Sheibani, Kouros Divsalar, Shahnaz Shekarforoush, Mohammad Reza Afarinesh. “The effects of co-administration of opium and morphine with nicotine during pregnancy on spatial learning and memory of adult male offspring rats”. Iranian journal of basic medical sciences, 2014.
- 18- Mohammad reza Afarinesh, **Tahereh Haghpanah**, Kouros Divsalar, Elham Dehyadegary, Azar Shaikh-aleslami, Majid Mahmoodi. “Changes in Serum biochemical factors associated with opium addiction after addiction desertion”. Addict Health, 2014.
- 19- Gholamreza Sepehri, Shahnaz Parsania, Mousa-Al-Reza Hajzadeh, **Tahereh Haghpanah**, Vahid Sheibani, Kouros Divsalar, Shahnaz Shekarforoush, Mohammad Reza Afarinesh. “The effects of co-administration of opium and morphine with nicotine during pregnancy on spatial learning & memory of adult male offspring rats”. Iran J basic Med Sci 2014.
- 20- Saberi M. A, Sepehri G, Sheibani V, **Haghpanah T**, Divsalar K, Afarineshkhaki M. The effect of Opium dependency of parent (s) on offspring’s spatial learning & memory in adult male rats. Iranian journal of basic medical sciences 2013.



- 21- Kouros Divsalar, Manzumeh Shamsi Meymandi, Mohammadreza Afarinesh, Mahdi Mahmoudi Zarandi, **Tahereh Haghpanah**, Fariborz Keyhanfar, Majid Mahmoodi, Stefan P Kruszewski “Serum Biochemical Parameters Following Heroin Withdrawal: An Exploratory Study”. The American Journal on Addictions 2013.
- 22- **Haghpanah T**, Sheibani V, Afarinesh M.R, Esmail Pour Bezenjani K, Hajzadeh M Al R, Pahlavan Y. “The role of NMDA receptor on spatial learning and memory consolidation rat following intra-hippocampal injection of aqueous extract of leaves of origanum”. Journal of Ardabil University of Medical Sciences. 2012.
- 23- **T Haghpanah**, V Sheibani, M Afarinesh. “Effect of kefir consumption on spatial learning and memory consolidation in adult male rats” Pharmaceutical sciences 2012.
- 24- **Haghpanah T**, Esmailpour Bezanjani Kh1, Afarinesh Khaki M, Sheibani V, Abbasnejad M, Masoomi Ardakani Y. “Effect of intra-hippocampal injection of Origanum vulgare L. ssp. Viridis leaf extract on spatial learning and memory consolidation”. Feyz, Journal of Kashan University of Medical Sciences 2011.
- 25- Vahid Sheibani, Mohammadreza Afarinesh, Zahra Hajializadeh, Mehdi Abbasnejad, **Tahereh Haghpanah**, Razieh Arabnezhad, Gholamreza Sepehri. “Evaluation of Origanum Vulgare L. ssp. Viridis leaves extract on discrimination learning and LTP induction in the CA1 region of the rat hippocampus”. Iranian journal of basic medical science 2011.
- 26- Divsalar Kouros, **Haghpanah Tahereh**, and Afarinesh Mohammadreza.”Opium and Heroin Alter Biochemical Parameters of Human’s Serum”. The American Journal of Drug and Alcohol Abuse 2010.

- 27- **Tahereh Haghpanah**, Mohammadreza Afarinesh, Kouros Divsalar. “A review on hematological factors in opioid dependent people (opium and heroin) after the withdrawal period”. Journal of Addiction and Health 2010.

### **Published Abstracts in International and National Scientific Congresses as SPEAKER:**

- Fertilization rate and sperm decondensation after intracytoplasmic sperm injection into human oocytes matured in vitro. **Tahereh Haghpanah**, Mohammad Salehi,. 2 ed International congress of reproduction. 2ed International congress of reproduction-ISERB 2016, May 2016.
- Does sperm DNA fragmentation level affect further developmental potential and incidence of apoptosis following one blastomere biopsy performed for preimplantation genetic diagnosis (PGD)? **Tahereh Haghpanah**, Mohammad Salehi, Marefat Ghaffari Novin. International congress of reproduction. 1<sup>st</sup> International congress of reproduction -ISERB 2015, May 2015.
- Andropause and male fertility. **Haghpanah T**, Ghaffari novin M, Afarinesh M. 5th international congress of reproductive health and family health. 5th congress of reproductive health and family health of IRHRC, 2012.

### **Published Abstracts in International and National Scientific Congresses as POSTER:**

- Olive leaf extract recovers sperm parameters, spermatogenesis and apoptosis in adult rat following busulfan treatment. Sepideh Ganjalikhan hakemi, Fariba Sharififar, **Tahereh Haghpanah\***, Abdolreza babaei, and Seyed Hassan Eftekhari-vaghefi. The 3<sup>rd</sup> international congress reproduction ISERB 2017, Tehran, Iran.

► Evaluation of depression, memory and learning and muscle strength in middle-aged male rats and the effect of rosa and nettle root extract on them. Mohsen Abedini Esfahlani ◊ Dr Seyed nouraddin nematollahi mahani, mohammadreza afarinesh khaki, **Tahereh Haghpanah**. 2 nd international and 23 rd Iranian congress of physiology and pharmacology, 2018. Chabahar, Iran.

► Differential effects of prenatal and early postnatal nicotine exposure on learning ability in mice: Novel Object versus Novel Texture Recognition task. Fatemeh Mafi ◊ Elahe mousanejad ◊ miss mansoureh sabzalizadeh ◊ Masoud Ezzat Abadi ◊ Vahid Sheibani ◊ **Tahereh Haghpanah**, Mohammad Reza Afarinesh Khaki. 2 nd international and 23 rd Iranian congress of physiology and pharmacology. 2018, Chabahar, Iran.

► The Effect of alcohol consumption during pregnancy and lactate on tactile discrimination and novel object recognition in mice newborns. mansoureh sabzalizadeh◊ ms elahe mosanezhad ◊ms fatemeh mafi, masoud ezzat abadi, **Tahereh Haghpanah**, vahid sheibani, mohammad reza afarinesh khaki. 2 nd international and 23 rd Iranian congress of physiology and pharmacology, 2018, Chabahar, Iran.

► Stem cell trafficking between mother and fetus. **T Haghpanah**, A piriaee, M Ghaffari novin, MR Afarinesh. 3th international and 18<sup>th</sup> national congress on Reproductive medicine. 2012.

► The REM sleep deprivation during pregnancy on long term potentiation in CA1 region of hippocampus adult male rats. **Tahereh Haghpanah**, Vahid Sheibani, Mohammad reza Afarinesh, Madi Abbas nejad, Saeed Esmaeili mahani. 19<sup>th</sup> Iranian congress of physiology & pharmacology, 2009.

► The effect of opium dependency of parents on offsprings spatial learning&memory in adult male rats. Arezoo saberii moghadam, Gholamreza Sepehri, Vahid sheibani, **Tahereh Haghpanah**, Kourus Divsalar, Mohammad reza Afarinesh. 21<sup>th</sup> Iranian congress of physiology & pharmacology. 2011.

► The effect of oral administration of kefir on the spatial learning and memory of male rats. Arezoo saberii moghadam, **Tahereh Haghpanah**, Vahid sheibani, Mohammad reza Afarinesh. 20<sup>th</sup> Iranian congress of physiology & pharmacology. 2010.

► Evaluation of origanum vulgare l.spp viridis leaves extract on locomotor activity, discrimination learning and LTP induction& its maintenance in the CA1 region of rat hippocampus. Mohammad reza Afarinesh, Vahid sheibani, Mahdi Abbas nejad, Zahra Hajali zadeh, **Tahereh Haghpanah**, Raziye Arabnejad. 19<sup>th</sup> Iranian congress of physiology & pharmacology. 2009.

### **Thesis of Postgraduate Students Advisored**

- The study of hydroalcoholic extract of flax seeds and fennel effects on the ovarian follicular reserve in first generation of mice offspring, (**Exceuting, Advisor**).

- The effect of morphinne administration as compared with its treatment with methadone and/or buprenorphine on the level of sex hormones, testicular tissue, seminal plasma antioxidant capacity, sperm parameters, and sexual behaviors in adult mice, (**Finished, Advisor**).

- Effects of omega- 3and insulin replacment therapy on sperm parameters and testis of high fat and low dose streptozotocin-induced diabetic mice (type 2 diabetes), (**Finished, Advisor**).

- The effect of Urtica Diocia root and Rosa Damascena hydroalkoholic extract on level of sexu hormones,semen quality and andropause in aging male mices , (**Finished, Advisor**).

- The study of effects of alcohol and nicotine co-adminstration during pregnancy on follicular atresia in rat offsprings, (**Finished, Advisor**).

- Investigating the Effects of Vitamins C and E on the Gonads of the First Generation of NMRI Mice after exposure with Mancozeb during pregnancy and lactating, (**Finished, Advisor**).

## **The Number of International and National Research Papers as Invited**

### **Reviewer:**

**5 Research paper** (1Andrologia, 2Cell journal (Yakhteh), 1international journal of fertility and sterility and 1metabolic brain disease).