

Curriculum Vitae  
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### ***Personal Information***

**First name:** Ahmad  
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**Gender:** Male  
**Nationality:** Iranian  
**Date of Birth:** 07.06.1982



### ***Address:***

1. Department of Cell and Molecular Biology, Royan Institute, No.371, Alikhani L., Mehr St., Salman Farsi Ave., Isfahan, Iran.

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### ***Qualification***

#### **Since Sep 2009:**

Employment in the Royan institute as research assistant.

Department of Cell and Molecular Biology, Royan Institute, No.371, Alikhani L., Mehr St., Salman Farsi Ave., Isfahan, Iran.

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#### **2009:**

Lecturer (Cell Biology Laboratory course), Islamic Azad University, Falavarjan, Isfahan, Iran.

#### **2006-2008:**

Lecturer (Genetic and Molecular Cell Biology courses), Semirom Payame Noor University, Isfahan, Iran.

#### **2005-2008:**

Master of Science (**M.Sc.**) in Cell and Molecular Biology, Department of Biology, Faculty of Sciences, Imam Hossein Comprehensive University, Tehran, Iran.

**M.Sc. Thesis:** Single Nucleotide Polymorphism (SNP) Analysis of Protamine Genes in Infertile Men, performed in the Royan Institute.

**Supervisors:** Dr. Mohammad Hossein Nasr-Esfahani & Dr. Kamran Ghaedi

**2001-2005**, Bachelor of Science (**B.Sc.**) in Cell and Molecular Biology (Genetics), Department of Biology, Faculty of Sciences, University of Isfahan, Isfahan, Iran.

**1996-2000**, High School Certification in Experimental Sciences (Natural Sciences), Khajeh-Nasir High School, Jahrom, Iran.

### ***Research Field at Present***

1. Study of expression and role of PPAR $\gamma$  isoforms in human embryonic stem cells and during neural differentiation steps.
2. Study of Rhisomelic Chondrodysplasia Punctata type1 disorder and mutation analysis of the *PEX7* gene.

### ***Laboratory Skills***

***Molecular Biology***: DNA, RNA & Protein extraction, PCR-RFLP, RT-PCR, Real Time PCR, Electrophoresis, SDS-PAGE, Western Blotting

***Genetic Engineering***: Bacteria Culture, Plasmid Preparation, Gene Cloning

***Cell Culture***: Stem Cells Culture, Neural Differentiation of Human Embryonic Stem Cells

***Bioinformatics***: Primer Design, Familiar to Databases Related to Molecular Biology

### ***Language and Computer Skills***

Persian (Mother Language) - English (Advanced)

PowerPoint, SPSS, Word, Photoshop, Excel

### ***Publications***

#### **Book:**

Nasr-Esfahani MH, Tavalae M, Mardani M, Kheirollahi M, Deemeh MR, Mirhosseini Z, Hatami L, ***Salamian A***, Fathi F, Ghasemi N, Shayesteh M, Soleimani M, Babazadeh Z. Identification and Selection of Sperm from the Molecular and Clinical Aspect in ICSI Candidates. (In Persian). Mirmah Publications, Tehran, Iran. (2010).

## Papers:

**Salamian A**, Ghaedi K, Razavi Sh, Tavalae M, Tanhaei S, Tavalae M, salahshouri I, Gourabi H, Nasr-Esfahani MH. Single Nucleotide Polymorphism Analysis of Protamine Genes in Infertile Men. *International Journal of Fertility and Sterility*. 2008; 2(1): 13-18.

Shahmoradi S, Bidmeshkipour A, **Salamian A**, Emami MH, Kazemi Z, Salehi M. Two novel mutations in hMLH1 gene in Iranian hereditary non-polyposis colorectal cancer patients. *Familial Cancer*. In press.

Aghajanpour S, Ghaedi K, **Salamian A**, Deemeh MR, Tavalae M, Moshtaghian J, Parrington J, Nasr-Esfahani MH. Quantitative expression of phospholipase C zeta, as an index to assess fertilization potential of a semen sample. *Human Reproduction*. 2011; 26(11): 2950-6.

Ghoochani A, Shabani KH, Peymani M, Ghaedi K, Karamali F, Karbalaie KH, Tanhaie S, **Salamian A**, Esmaeili A, Valian-Borujeni S, Hashemi M, Nasr-Esfahani MH, Baharvand H. The influence of peroxisome proliferator-activated receptor  $\gamma$ 1 during differentiation of mouse embryonic stem cells to neural cell. *Differentiation*. 2012; 83(1): 60-67. In press.

Salehi H, Karbalaie KH, **Salamian A**, Kiani A, Razavi SH, Nasr-Esfahani MH, Baharvand H. Differentiation of human ES cell-derived neural progenitors to neuronal cells with regional specific identity by co-culturing of notochord and somite. *Stem Cell Research*. 2012; 8(1): 120-133. In press.

Abtahi SR, Sadraei H, Nematollahi M, Karbalaie K, Karamali F, **Salamian A**, Baharvand H, Nasr-Esfahani MH. Functional expression of potassium channels in cardiomyocytes derived from embryonic stem cells. *Journal of Research in Pharmaceutical Sciences*. 2012; 7(1). In press.

## Abstracts:

**Salamian A**, Nasr-Esfahani MH, Ghaedi K, Tavalae M, Razavi Sh, Tanahai S, Tavalae M. SNP Analysis of Protamine Genes in Infertile Men Population. (21-23 May 2008). 10<sup>th</sup> Iranian Genetic Congress, Tehran, Iran. (Poster presentation).

Hashemi MS, Ghaedi K, Nasr-Esfahani MH, **Salamian A**, Tanhaei S, Khazaei M, Emadi M. Construction of pSingle-tTS-shRNA Vector for PeP Gene Knocking Down in Mouse Embryonic Stem Cell. (22-24 May 2010). 11<sup>th</sup> Iranian Genetic Congress & 1<sup>th</sup> Iranian Congress of Medical Genetic, Tehran, Iran. (Poster presentation).

Seifi T, Ghaedi K, **Salamian A**, Hojati Z, Nasr-Esfahani MH. Identification and Cloning of a Putative Promoter Region of Peroxisomal Protein Gene. (22-24 May 2010). 11<sup>th</sup> Iranian Genetic Congress & 1<sup>th</sup> Iranian Congress of Medical Genetic, Tehran, Iran. (Poster presentation).

Aghajpour S, Ghaedi K, Tavalae M, Deemeh MR, *Salamian A*, Arbabian M, Moshtaghiyan J, Nasr-Esfahani MH. Evaluation of mRNA Expression of Plczeta in Patients with Previous Low Fertilization Rate Post ICSI. (15-17 Sep 2010). Royan International Twin congress: 11<sup>th</sup> International Congress on Reproductive Biomedicine & 6th International Congress on Stem Cell Biology & Technology, Tehran, Iran. (Poster presentation).

Hashemi MS, Ghaedi K, Nasr-Esfahani MH, *Salamian A*, Karbalai Kh. PeP Gene Knockdown Using an Expression Vector Producing Specific Designed shRNA in Mouse Embryonic Stem Cell during the Process of Neurogenesis. (24-26 Nov 2010). 4<sup>th</sup> Iranian Annual Neurogenetic Congress, Tehran, Iran. (Poster presentation).

Lachinani L, Ghaedi K, Tanhaei S, *Salamian A*, Kiani A, Nasr-Esfahani MH, Baharvand H. Cloning of a Putative Mouse PPARgamma2 Isoform Promoter. (24-26 Nov 2010). 4th Iranian Annual Neurogenetic Congress, Tehran, Iran. (Poster presentation).

Lachinani L, Ghaedi K, Tanhaei S, Rabeii F, *Salamian A*, Yaghmaei P, Nasr-Esfahani MH. A New Method for PCR Amplification of GC Rich Regions. (17-19 Feb 2011). Intrnational Student Congress on Cell and Molecular Medicine, Shiraz, Iran. (Poster presentation).

Hashemi MS, Ghaedi K, Nasr-Esfahani MH, *Salamian A*, Karbalai Kh. Transfection of Mouse Gene Knocking Down in Mouse Embryonic Stem Cells by Psingle-tTS-shRNA Vector for PeP Embryonic Stem Cell and During Ebs Formation. (17-19 Feb 2011). Intrnational Student Congress on Cell and Molecular Medicine, Shiraz, Iran. (Poster presentation).

*Salamian A*, Ghaedi K, Shafeghati Y, Nematollahi M, Mohamadinejad P, Hadipoor F, Nasr-Esfahani MH, Baharvand H. Detection of a Novel Homozygous Mutation in *PEX7* cDNA Responsible to Cause Rhisomelic Chondrodysplasia Punctata type-I (RCDP-I) in an Iranian Patient. (20-21 Jun 2011). 2<sup>th</sup> Iranian Congress of Medical Genetic, Tehran, Iran. (Oral presentation).

*Salamian A*, Ghaedi K, Nematollahi M, Karbalaie Kh, Nasr-Esfahani Mh, Baharvand H. Assessment of PPAR $\gamma$  Isoforms Expression Level During Neural Differentiation of Human Embryonic Stem Cells. (7-9 Sep 2011). Royan International Twin congress: 12<sup>th</sup> International Congress on Reproductive Biomedicine & 7<sup>th</sup> International Congress on Stem Cell Biology & Technology, Tehran, Iran. (Poster presentation).

Aghajpour S, Ghaedi K, *Salamian A*, Tavalae M, Deemeh MR, Nasr-Esfahani MH. Phospholipase C Zeta: As an Index to Assess Fertilization Potential of a Semen Sample. (7-9 Sep 2011). Royan International Twin congress: 12<sup>th</sup> International Congress on Reproductive Biomedicine & 7<sup>th</sup> International Congress on Stem Cell Biology & Technology, Tehran, Iran. (Poster presentation).

**Referees:**

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**2- Dr. Mohammad Hossein Nasr-Esfahani**

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