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EDUCATION

University of Tehran

- BSc in Agronomy and Plant breeding
Jan. 1999

Ferdowsi University of Mashad

- MSc in Plant Biotechnology
Sep. 2003

Semnan University of Medical Sciences and Health Services

- PhD. in Medical Biotechnology
Jan. 2018

PROFESSIONAL EXPERIENCE

1. Research assistant in ABRII sponsored project entitled: *Proteome analysis of rice roots and leaves under salt stress, (2002-2004).*
2. Research assistant in Royan institute sponsored project entitled: *Proteomic Analysis of Monkey Embryonic Stem Cell during Differentiation, (2006-2008).*
3. Research assistant in Royan institute sponsored project entitled: *Nuclear proteome analysis of monkey embryonic stem cells differentiation, (2007-2009).*

4. Research assistant in Royan institute/ NIGEB co- sponsored project entitled: *Proteome analysis of central nervous system in the murin EAE model*,(2009-2011).
5. Research assistant in Royan institute sponsored project, entitled: *Production of recombinant growth factor and cytokines used in stem cells culture*, (2011-2017).
6. Research assistant in Royan institute sponsored project, entitled: *Proteome profile analysis of endometrial tissues in polycystic ovary syndrome*, (2012-2015).
7. Research assistant in Royan institute/ Semnan university medical sciences co-sponsored project, entitled: *Fabrication of ECM mimetic hydrogel-nanocomposite scaffolds for chondrogenic differentiation of marrow derived mesenchymal stem cells*, (2013-2017).

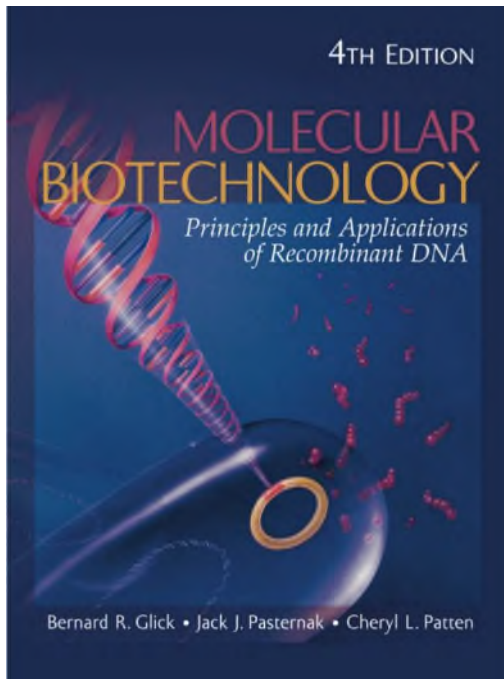
SCIENTIFIC PUBLICATION (Paper)

1. **Davood Nasrabadi**, Mehran Rezaei Larijani, Leila Pirhaji, Hamid Gourabi, Abdolhossein Shahverdi, Hossein Baharvand, and Ghasem Hosseini Salekdeh, *Proteomic Analysis of Monkey Embryonic Stem Cell during Differentiation*, Journal of Proteome Research, 2009, 8, 1527–1539
Impact factor 2009: 5.132
2. **Davood Nasrabadi**, Mehran Rezaei, Ali Fathi , Hamid Gourabi, Abdolhossein Shahverdi, Hossein Baharvand, Ghasem Hosseini Salekdeh, *Nuclear proteome analysis of monkey embryonic stem cells differentiation*, stem cell reviews and reports 2010, 6, 50-61
Impact factor 2010: 5.083
3. Abolhassan Shahzadeh Fazeli, Mohammad Hossein Sanati, **Davood Nasrabadi**, Alireza Pouya, Hossein Baharvand, Ghasem Hosseini Salekdeh. *Central Nervous System Proteomics in Animal Model of Multiple Sclerosis Revealed Down-Regulation of Mitochondrial Proteins*. Yakhteh Medical Journal, Vol 11, No 2, 2009
Impact factor 2017: 1.636
4. Abolhassan shahzadeh Fazeli, **Davood Nasrabadi**, Mohammad Hossein Sanati, Alireza Pouya¹, Seyed Shahaboodin Mirshavaladi, Hossein Baharvand , Ghasem Hosseini Salekdeh, *Proteome Analysis of Post-transplantation Recovery Mechanisms of an EAE Model of Multiple Sclerosis Treated with Embryonic Stem Cell-derived Neural Precursors* . Journal of Proteomics 2013.
Impact factor 2011: 4.9

5. **Fazeli AS, Nasrabadi D, Sanati MH, Pouya A, Ibrahim SM, Baharvand H, et al.** *Proteome analysis of brain in murine experimental autoimmune encephalomyelitis.* **Proteomics.** 2010;10(15):2822-32.
6. **Hosseinfar H, Sabbaghian M, Nasrabadi D, Modarresi T, Dizaj AV, Gourabi H, Gilani MA.** *Study of the effect of varicocelectomy on sperm proteins expression in patients with varicocele and poor sperm quality by using two-dimensional gel electrophoresis.* **Journal of assisted reproduction and genetics** 2014; 31: 725-9.
7. **Nasrabadi D, Rezaeiani S, Sayadmanesh A, Baghban Eslaminejad M, Shabani A.** *Inclusion Body Expression and Refolding of Recombinant Bone Morphogenetic Protein-2.* **Avicenna J Med Biotech** 2018; 10(4).
8. **Nasrabadi D, Rezaeiani S, Sayadmanesh A, Gharaati M, Baghban Eslaminejad M, Shabani A.** *Evaluation of a New Method for Biological Activity Analysis of Recombinant Human Parathyroid Hormone-Related Protein.* **Middle East J Rehabil Health Stud.** 2018 April; 5(2):e65828
9. **Nasrabadi D, Rezaeiani S, Eslaminejad MB, Shabani A.** *Improved Protocol for Chondrogenic Differentiation of Bone Marrow Derived Mesenchymal Stem Cells-Effect of PTHrP and FGF-2 on TGF β 1/BMP2-Induced Chondrocytes Hypertrophy.* **Stem Cell Reviews and Reports.** 2018 Apr 24:1-2.
Impact factor 2016: 3.612
10. **Amjadi F, Mehdizadeh M, Ashrafi M, Nasrabadi D, et al.** *Distinct changes in the proteome profile of endometrial tissues in polycystic ovary syndrome compared with healthy fertile women.* **Reproductive biomedicine online .** 2018 Aug. 37: 184-200.
Impact factor 2016: 3.249

SCIENTIFIC PUBLICATION (Book)

Translation of “*Molecular Biotechnology: Principle and Application of Recombinant DNA*” into persian. (1000 pages) ASM Press.



SCIENTIFIC CONFERENCE

1. Hosseini salekdeh Gh., Hajheidari M., ..., Nasrabadi D., *Proteomics is a Solution to Gene Expression Analysis*. 3rd National Biotechnology Congress of Islamic Republic of Iran, Ferdowsi Univ. of Mashad, Mashad, Iran , (9-11) September 2003 (Oral presentation in Persian)
2. Hosseini salekdeh Gh., Hajheidari M., ..., Nasrabadi D., *Differential Proteomics Analysis for Identification of Candidate Genes mediated Salt and Drought Tolerance in Plants*. 8th Iranian Congress on Crop Production and Breeding, Univ. of Guilan, Rasht, Iran, (25-27) Aug, 2004, (Oral presentation in Persian)
3. Nasrabadi D., Baharvand, H., Taei A., et al., *Proteome Analysis of Monkey Embryonic Stem Cells during Differentiation*. The First Iranian Proteomics

Conference, Univ. of Tehran, Tehran, Iran, 21 February 2007, (Oral presentation in Persian).

4. **Nasrabadi D.**, Hosseini Salekdeh, H., Mollamohamadi, S., et al., *Nuclear Proteome Analysis of Monkey Embryonic Stem Cell during Differentiation*. The First Iranian Conference on Medical Proteomics, Shahid Beheshti Univ., Tehran, Iran, 20 February 2008, (Oral presentation in Persian).
5. Hosseini Salekdeh Gh., Baharvand H.,, **Nasrabadi D.**, *Identification of Key Factors Involved in Stem Cell Proliferation and Differentiation Using Proteomics and Transcriptomics Approaches*. The First Iranian Conference on Medical Proteomics, Shahid Beheshti Univ., Tehran, Iran, 20 February 2008, (Oral presentation in Persian).
6. Hosseini Salekdeh Gh., Baharvand H., Fathi A., **Nasrabadi D.**, et al., *Comparative Proteome and transcriptome analysis of embryonic stem cells during embryoid body-based differentiation*. 4th Congress on Stem Cells Biology & Technology, Royan Institute Tehran, Iran, (27-29) August 2008, (Oral presentation in English).
7. Hosseini Salekdeh Gh., Baharvand H., Fathi A., **Nasrabadi D.**, et al., *Embryonic stem cell biology: insights from proteomics*, The second Iranian Proteomics congress, Royan Institute, Tehran, Iran, (23-24) April 2009 (Oral presentation in English).
8. Shazadeh fazeli A., **Nasrabadi D.**, Sanati, M.H., et al., *Proteomic profiling of the central nervous system in murine experimental autoimmune encephalomyelitis before and after treatment with mouse embryonic stem cell- derived neural precursor cells*, 5th Congress on Stem Cells Biology & Technology, Tehran, Iran, (23-25) September 2009 , (Oral presentation in English).
9. Shazadeh fazeli A., **Nasrabadi D.**, Sanati, M.H., et al., *Mouse embryonic stem cell-derived neural precursors in the treatment of EAE model of multiple sclerosis: a proteomic approach for discovering post transplantation recovery mechanisms*, The 3rd Iranian Proteomics Congress, Pasteur Institute of Iran . Tehran, Iran (26-27) May 2010 (Oral presentation in Persian).
10. Hosseini Salekdeh Gh., Bennett J., Hajheidari M., , **Nasrabadi D.**, et al., *Comparative proteomics analysis of plants under stress*. 3rd International Proteomics

conference (IPC'3) 1st Taiwan Proteomics Conference Taipei, Taiwan (14-17) May 2004. (Oral presentation in English).

11. Nasrabadi D., Baharvand H., Mollamohammadi S., et al., *Nuclear and Total Proteome analysis of monkey Embryonic Stem Cells Differentiation*. 6th Hupo annual world congress, 2007 Seoul, South Korea, (Poster presentation in English).
12. Nasrabadi D., Rezaei Larijani M., Pirhaji L., et al., *Proteomic Analysis of Monkey Embryonic Stem Cell during Differentiation*. 8th Royan International twin congress, Tehran-Iran, (5-7) September 2007. (Poster presentation in English).
13. Shahzadeh Fazeli A., Nasrabadi D., Sanati MH., et al., *Differential protein-expression profiling of the brain in murine experimental autoimmune encephalomyelitis*, The second Iranian proteomics congress, Royan Institute. Tehran, Iran, (23-24) April 2009. (Poster presentation in English)
14. Nasrabadi D., Shahzadeh Fazeli A., Mirshahvaladi S, *Proteome analysis of post-transcriptional recovery mechanism of EAE model of multiple sclerosis treated with stem cell –derived neural precursors*. 10th Hupo annual world congress, Geneva, Switzerland, (3-7) September 2011. (Poster presentation in English).
15. Amjadi F.S., Mehdizadeh M., Ashrafi M., Nasrabadi D., et al., *Proteomic analysis of human endometrium in normal and polycystic ovarian syndrome*. 31st Annual Meeting of the European-Society-of-Human-Reproduction-and-Embryology (ESHRE), Lisbon, Portugal, (14-17) Jun 2015. (Poster presentation in English).

TEACHING EXPERIENCE

1. Workshop on Proteomics, (Instructor/Lecturer), *International workshop on proteomics, 7-11 June 2004 ABRII, Karaj, Iran*.
2. Workshop on Proteomics, (Instructor/Lecturer), *22-23 April 2009, Royan Institute, Tehran, Iran*
3. Workshop on Proteomics, (Instructor/Lecturer), *7-10 February 2010, Royan Institute, Tehran, Iran*.
4. Workshop on two dimensional proteomics, (Instructor/Lecturer), *17-19 September 2012, Royan Institute, Tehran, Iran*.

5. **Molecular Biology Course for Graduate Students, (Teacher), 2012, *Semnan university of medical sciences***
6. **Cell culture course for PhD students, (Teacher) , 2018-2019, *Semnan university of medical sciences***
7. **Stem cells and tissue engineering course for PhD students, (Teacher), 2018-2019, *Semnan university of medical sciences***
8. **Immunochemistry Course for PhD students, (Teacher), 2018-2019, *Semnan university of medical sciences***

WORKSHOP AND TRAINING PROGRAM ATTAINED

1. **Royan Monthly Conference on Infertility, April 2007- March 2008 Royan Institute, Tehran, Iran**
2. **Application of Stem Cells in Regenerative Medicine, 25 December 2008, Royan Institute, Tehran, Iran**
3. **Innovative Teaching Program, Scientific Writing & Communication Skills and Scientific Integrity Courses, Certificate of Achievement, October 2011- February 2012. Royan Institute, Tehran, Iran**
4. **Workshop on Recombinant Protein Production in Animal Cell Expression Systems, 2-4 February 2013, Pasture Institute, Tehran, Iran**

LABORATORY SKILL

1. **DNA, RNA and Protein extraction and purification**
2. **Two Dimensional gel electrophoresis**
3. **Western Blotting**
4. **PCR, RT-PCR, Real Time PCR**
5. **Gene Cloning**
6. **Stem Cell culture and differentiation methods**
7. **Recombinant protein production**
8. **Tissue Engineering techniques**

9. Immunohistochemistry and Immunocytochemistry

RESEARCH INTEREST

1. Stem Cells
2. Synthetic Gene Networks
3. Genetic Engineering
4. Tissue Engineering
5. Recombinant Protein Production

WEB PAGE

1. Google Scholar

https://scholar.google.com/citations?user=Oqd_DnsAAAAJ&hl=en&oi=ao

Total citations (2019): 94

H-index (2019): 6

2. Research gate

https://www.researchgate.net/profile/Davood_Nasrabadi

RG Score: 17.07

REFEREE

1. **Hossein Baharvand**
Head of Royan institute for Stem cell biology and technology, Tehran, Iran
2. **Ghasem Hosseini Salekdeh**
Head of Research Deputy, Agricultural Biotechnology Research Institute of Iran (ABRII), Karaj, Iran
3. **Mohammad Hosein Sanati**
Head of Research Deputy, National Institute for Genetic Engineering and Biotechnology (NIGEB), Tehran, Iran
4. **Abolhassan Shahzadeh Fazeli**
President of Iranian Biological Resource Center (IBRC), Tehran, Iran