

Curriculum Vitae (Personal Description)

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Education:

MSc in Medical Biochemistry

PhD in Molecular Medicine

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Publications :

1. S Malih, M Saidijam, K Mansouri, M Pourjafar, MS Tafakh, F Talebzadeh, R Najafi. Promigratory and proangiogenic effects of AdipoRon on bone marrow-derived mesenchymal stem cells: an in vitro study. *Biotechnology Letters*, 1-6
2. T Ranjbarnejad, M Saidijam, M Pourjafar, F Talebzadeh, R Najafi. Garcinol exhibits anti-proliferative activities by targeting microsomal prostaglandin E synthase-1 in human colon cancer cells. *Human & Experimental Toxicology*, 0960327116660865
3. M Pourjafar, M Saidijam, S Malih, T Ranjbar, N Shabab, R Najafi. Cytoprotective effects of endothelin-1 on mesenchymal stem cells: an in vitro study *Clinical and Experimental Pharmacology and Physiology*
4. M Esfahani, F Karimi, S Afshar, S Niknazar, S Sohrabi, R Najafi. Prolyl hydroxylase inhibitors act as agents to enhance the efficiency of cell therapy. *Expert opinion on biological therapy* 15 (12), 1739-1755.

5. S Malih, R Najafi. AdipoRon: a possible drug for colorectal cancer prevention? *Tumor Biology* 36 (9), 6673-6675
6. Ghaznavi H, Najafi R, Mehrzadi S, Hosseini A, Tekyemarooft N, Shakeri-zadeh A, et al. The neuro-protective effects of cerium and yttrium oxide nanoparticles on high glucose-induced oxidative stress and apoptosis in undifferentiated PC12 cells . *Neurological research*. 2015 .
7. Mirzamohammadi S, Aali E, Najafi R, Kamarul T, Mehrabani M, Aminzadeh A, et al . Effect of 17 β -estradiol on mediators involved in mesenchymal stromal cell trafficking in cell therapy of diabetes. *Cytotherapy*. 2015; 17(1):46-57 .
8. Najafi R, Sharifi AM, Hosseini A. Protective effects of alpha lipoic acid on high glucose-induced neurotoxicity in PC12 cells. *Metabolic brain disease*. 2014:1-8 .
9. Hosseini A, Sharifi AM, Abdollahi M, Najafi R, Baeeri M, Rayegan S, et al. Cerium and Yttrium Oxide Nanoparticles Against Lead-Induced Oxidative Stress and Apoptosis in Rat Hippocampus. *Biological trace element research*. 2014:1-10 .
10. Najafi R, Sharifi AM. Deferoxamine preconditioning potentiates mesenchymal stem cell homing in vitro and in streptozotocin-diabetic rats. *Expert opinion on biological therapy*. 2013;13(7):959-72 .
11. Niknazar S, Nahavandi A, Najafi R, Daniaaly S, Mehrjerdi FZ, Karimi M. Parents adulthood stress induces behavioral and hormonal alterations in male rat offspring. *Behavioural brain research*. 2013;252:136-43 .
12. Sheikh N, Amiri I, Najafi R, Goodarzi MT. The correlation between total antioxidant capacity and nitric oxide concentration in seminal plasma with sperm DNA damage. *African Journal of Biotechnology*. 2013;9(35).
13. Sheikh N, Amiri I, Farimani M, Najafi R, Hadeie J. Correlation between sperm parameters and sperm DNA fragmentation in fertile and infertile men. *Iranian Journal of Reproductive Medicine*. 2008;6(1):13-8 .
14. Amiri I, Sheikh N, Najafi R. Nitric oxide level in seminal plasma and its relation with sperm DNA damages. *Iran Biomed J*. 2007;11(4):259-64 .
15. Sheikh N, Goodarzi M, Bab Al-Havaejee H, Safari M, Amiri I, Najafi R, et al. L-Carnitine Level in Seminal Plasma of Fertile and Infertile Men. *Journal of research in health sciences*. 2007;7(1):43-8 .
16. Amiri I, Sheike N, Najafi R. Nitric oxide level in seminal plasma of fertile and infertile males and its correlation with sperm parameters. *DARU Journal of Pharmaceutical Sciences*. 2006;14(4):197-202

Experimental activities :

- Cell Culture
- RNA extraction (tissue or cell), RT-PCR
- Protein extraction (tissue / cell), Western blot
- Immunocytochemistry
- Single Cell Gel Electrophoresis assay (comet assay)
- Zymography
- ELISA