

## Curriculum Vitae Mohammad Saied Salehi

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### ACADEMIC POSITION

- **July 2020 – Present:** Assistant Professor at Clinical Neurology Research Center, Shiraz University of Medical Sciences, Shiraz, Iran.

### POST-DOCTORAL QUALIFICATIONS

- **May 2019 – May 2020:** Postdoctoral fellow at Department of Behavioral and Molecular Neurobiology, Faculty of Biology and Preclinical Medicine, University of Regensburg, Regensburg, Germany, under the supervision of Prof. Dr. Inga D. Neumann (Financially supported by International Brain Research Organization [IBRO] Research Fellowship Award).

*Research project:* Effects of oxytocin receptor activation in the formation of hypothalamic neurospheroid

- **May 2018 – May 2019:** Postdoctoral fellow at Clinical Neurology Research Center, Shiraz University of Medical Sciences, Shiraz, Iran under the supervision of Prof. Dr. Afshin Borhani-Haghighi (Financially supported by Ministry of Health and Medical Education, Iran's National Elites Foundation and Iran National Science Foundation).

*Research project:* Comparison between therapeutic effects of epidermal neural crest stem cells and bone marrow mesenchymal stem cells in an animal model of stroke.

### EDUCATION

University	Location	Major field	Average grade point	Year awarded
Shahid Beheshti University	Tehran, Iran	PhD of Animal Physiology	18.25 out of 20	2017
Shiraz University	Shiraz, Iran	MSc of Animal Physiology	17.96 out of 20	2012
Shiraz University	Shiraz, Iran	BSc of Animal Sciences	17.19 out of 20	2009

#### PhD dissertation

*“The effects of testosterone and oxytocin on neural networks upstream of GnRH neurons”*

#### MSc dissertation

*“Hypothalamic expression of KiSS-1 and RFamide-related peptide-3 genes during the estrous cycle of rats”*

## **INTERNATIONAL HONORS and AWARDS**

1. Received International Brain Research Organization (IBRO) Research Fellowship Award 2019 (35000 Euro) to spend one-year sabbatical at the Department of Behavioral and Molecular Neurobiology, University of Regensburg, Regensburg- Germany, under the supervision of Prof. Dr. Inga D. Neumann.
2. Received International Brain Research Organization (IBRO) travel grant 2017 for participation in the FENS Regional Meeting, 20-23 September 2017, Pécs, Hungary.
3. Selected as a recipient of Federation of European Neuroscience Societies (FENS) travel grant 2017 for participation in the FENS Regional Meeting, 20-23 September 2017, Pécs, Hungary.
4. Selected for participation in the 2<sup>nd</sup> IBRO/APRC Chandigarh neuroscience school, 14-22 December 2016, Chandigarh, India.
5. Received Federation of European Neuroscience Societies stipend award for participation in FENS-SfN summer school: Cellular mechanisms and networks in addiction, 29 May - 4 June 2016, Bertinoro, Italy.

## **NATIONAL HONORS and AWARDS**

1. Received Iran's National Elites Foundation grant 2021 (Dr. Kazemi Ashtiani Award) for junior scientists.
2. Received Iran National Science Foundation (INSF) grant 2018 for postdoctoral researchers.
3. Received Iran's National Elites Foundation grant 2018 (Shahid Chamran Award) to be a postdoctoral fellow at the Shiraz University of Medical Sciences.
4. Achieved military service facilities of Iran's National Elites Foundation in a form of research project at the Aja University of Medical Sciences, 2015, Tehran, Iran.
5. Selected for participation in the 4<sup>th</sup> IBRO/APRC Tehran neuroscience school, 17-28 October 2014, Tehran, Iran.

## **PUBLICATIONS**

### **Papers in Refereed Journals**

1. Ghobadi, M., Akbari, S., Bayat, M., Shid Moosavi, S.M., **Salehi, M.S.**, Pandamooz, S., Azarpira, N., Afshari, A., Hooshmandi, E., Haghani, M., Gens PSD-95 and GSK-3 $\beta$  expression improved by hair follicular stem cells-conditioned medium enhances synaptic transmission and cognitive abilities in the rat model of vascular dementia. *Brain and Behavior* 2024, 14: e3351.

2. Akbari, S., Haghani, M., Ghobadi, M., Hooshmandi, E., Borhani-Haghighi, A., **Salehi, M.S.**, Pandamooz, S., Azarpira, N., Afshari, A., Zabihi, S., Nemati, M., Bayat, M., Combination therapy with platelet-rich plasma and epidermal neural crest stem cells increases treatment efficacy in vascular dementia. *Stem Cells International* 2023, 3784843.
3. Tavakkoli, Z., **Salehi, M.S.**, Jameie, S., Rahmi, M., Koohepyma, F., Dianatpour, M., Miyan, J.A., Pandamooz, S., Simple methods for cerebrospinal fluid collection in fetal, neonatal, and adult rat. *Journal of Neuroscience Methods* 2023, 399: 109971.
4. Hooshmandi, E., Akbari, S., Pandamooz, S., Ghobadi, M., Ghasemi, R., Maghsoudi, N., Rai, S.N., Borhani-Haghighi, A., **Salehi, M.S.**, Azarpira, N., YousefiNejad, A., Haghani, M., Bayat, M., Combined use of hair follicle stem cells and CEPO (carbamylated erythropoietin)-Fc in a rat model of chronic cerebral hypoperfusion: A behavioral, electrophysiological, and molecular study. *Behavioural Brain Research* 2023, 454: 114655.
5. Pandamooz, S., **Salehi, M.S.**, Jurek, B., Meinung, C-P., Azarpira, N., Dianatpour, M., Neumann, I.D., Oxytocin receptor expression in hair follicle stem cells: a promising model for biological and therapeutic discovery in neuropsychiatric disorders. *Stem Cell Reviews and Reports* 2023, 19: 2510–2524.
6. Jashire Nezhad, N., Safari, A., Namavar, M.R., Nami, M., Karimi-Haghighi, S., Pandamooz, S., Dianatpour, M., Azarpira, N., Khodabandeh, Z., Zare, S., Hooshmandi, E., Bayat, M., Owjifard, M., Zafarmand, S.S., Fadakar, N., Rahimi Jaberi, A., **Salehi, M.S.**, Borhani-Haghighi, A., Short-term beneficial effects of human dental pulp stem cells and their secretome in a rat model of mild ischemic stroke. *Journal of Stroke and Cerebrovascular Diseases* 2023, 32: 107202.
7. Estakhr, M., et al., The hospitalization rate and clinical characteristics of mucormycosis prior and during COVID-19 pandemic: A single-center study. *Journal of Infection in Developing Countries* 2023, 17: 791-799.
8. Karimi-Haghighi, S., Pandamooz, S., Jurek, B., Fattahi, S., Safari, A., Azarpira, N., Dianatpour, M., Hooshmandi, E., Bayat, M., Owjifard, M., Zafarmand, S.S., Mostaghel, M., Mousavi, S.M., Jashire Nezhad, N., Eraghi, V., Fadakar, N., Rahimi Jaberi, A., Garcia-Esperon, C., Spratt, N., Levi, C., **Salehi, M.S.**, Borhani-Haghighi, A., From hair to the brain: The short-term therapeutic potential of human hair follicle-derived stem cells and their conditioned medium in a rat model of stroke. *Molecular Neurobiology* 2023, 60: 2587-2601.
9. Pandamooz, S., Jurek, B., Dianatpour, M., Haerteis, S., Limm, K., Oefner, P.J., Dargahi, L., Borhani-Haghighi, A., Miyan, J.A., **Salehi, M.S.**, The beneficial effects of chick embryo extract preconditioning on hair follicle stem cells: A promising strategy to generate Schwann cells. *Cell Proliferation* 2023, 56: e13397.
10. Owjifard, M., Karimi, F., Mallahzadeh, A., Nabavizadeh, S.A., Namavar, M.R., Iravani Saadi, M., Hooshmandi, E., **Salehi, M.S.**, Zafarmand, S.S., Bayat, M., Karimlou, S., Borhani-Haghighi, A., Mechanism of action and therapeutic potential of dimethyl fumarate in ischemic stroke. *Journal of Neuroscience Research* 2023, 101: 1433-1446.
11. Bayat, M., Tabrizi, R., **Salehi, M.S.**, Karimi, N., Rahimi, M., Hooshmandi, E., Razavi moosavi, N., Fadakar, N., Borhani-Haghighi, A., Association of long non-coding RNA Malat1 with serum levels of interleukin-1 beta and vitamin D in patients with ischemic stroke. *Galen Medical Journal* 2023, 12: e2457.

12. Keshavarz, S., Nemati, M., **Salehi, M.S.**, Naseh, M., The impact of anesthetic drugs on hemodynamic parameters and neurological outcomes following temporal middle cerebral artery occlusion in rats. *NeuroReport* 2023, 34: 199-204.
13. Jurek, B., Denk, L., Schafer, N., **Salehi, M.S.**, Pandamooz, S., Haerteis, S., Oxytocin accelerates tight junction formation and impairs cellular migration in 3D spheroids: evidence from Gapmer-induced exon skipping. *Frontiers in Cellular Neuroscience* 2022, 16:1000538.
14. Pandamooz, S., **Salehi, M.S.**, Dianatpour, M., Miyan, J.A., Could embryonic cerebrospinal fluid direct the fate of hair follicle stem cells towards dopaminergic neurons to treat Parkinson's disease? *Stem Cell Reviews and Reports* 2022, 18: 3115-3117.
15. Mousavi, S.M., Karimi-Haghighi, S., Chavoshinezhad, S., Pandamooz, S., Belem-Filho, I.J.A., Keshavarz, S., Bayat, M., Hooshmandi, E., Rahimi Jaberi, A., **Salehi, M.S.**, Borhani-Haghighi, A., The impacts of anesthetic regimens on the middle cerebral artery occlusion outcomes in male rats. *NeuroReport* 2022, 33:561-568.
16. **Salehi, M.S.**, Pandamooz, S., Tamadon, A., Jafarzadeh Shirazi, M.R., Borhani-Haghighi, A., Reproductive complications after stroke: Long-lasting impairment of gonadotropin-releasing hormone neuronal network? *Biology of Reproduction* 2022, 107: 368-370.
17. Borhani-Haghighi, A., et al., Early and mid-term outcomes of carotid angioplasty and stent placement in 579 patients. *Journal of Neuroimaging* 2022, 32: 1161-1169.
18. Mousavi, S.M., Akbarpour, B., Karimi-Haghighi, S., Pandamooz, S., Belem-Filho, I.J.A., Masis-Calvo, M., Salimi, H., Lashanizadegan, R., Pouramini, A., Owjifard, M., Hooshmandi, E., Bayat, M., Zafarmand, S.S., Dianatpour, M., **Salehi, M.S.**, Borhani-Haghighi, A., Therapeutic potential of hair follicle-derived stem cell intranasal transplantation in a rat model of ischemic stroke. *BMC Neuroscience* 2022, 23:47.
19. **Salehi, M.S.**, Jurek, B., Karimi-Haghighi, S., Jashire Nezhad, N., Mousavi, S.M., Hooshmandi, E., Safari, A., Dianatpour, M., Haerteis, S., Miyan, J.A., Pandamooz, S., Borhani-Haghighi, A., Intranasal application of stem cells and their derivatives as a new hope in the treatment of cerebral hypoxia/ischemia: a review. *Reviews in the Neurosciences* 2022, 33: 583-606.
20. Pandamooz, S., Jurek, B., Meinung, C.P., Baharvand, Z., Sahebi Shahem-abadi, A., Haerteis, S., Miyan, J.A., Downing, J., Dianatpour, M., Borhani-Haghighi, A., **Salehi, M.S.**, Experimental models of SARS-CoV-2 infection: possible platforms to study COVID-19 pathogenesis and potential treatments. *Annual Review of Pharmacology and Toxicology* 2022, 62: 25-53.
21. **Salehi, M.S.**, Safari, A., Pandamooz, S., Jurek, B., Hooshmandi, E., Owjifard, M., Bayat, M., Zafarmand, S.S., Miyan, J.A., Borhani-Haghighi, A., The beneficial potential of genetically modified stem cells in the treatment of stroke: a review. *Stem Cell Reviews and Reports* 2022, 18: 412-440.
22. Karimi-Haghighi, S., Chavoshinezhad, S., Safari, A., Razeghian-Jahromi, I., Jamhiri, I., Khodabandeh, Z., Khajeh, S., Zare, S., Borhani-Haghighi, A., Dianatpour, M., Pandamooz, S., **Salehi, M.S.**, Preconditioning with secretome of neural crest-derived stem cells enhanced neurotrophic expression in mesenchymal stem cells. *Neuroscience Letters* 2022, 773: 136511.
23. Akbari, S., Hooshmandi, E., Bayat, M., Borhani-Haghighi, A., **Salehi, M.S.**, Pandamooz, S., Yousefi Nejad, A., Haghani, M., The neuroprotective properties and therapeutic potential of

- epidermal neural crest stem cells transplantation in a rat model of vascular dementia. *Brain Research* 2022, 1776: 147750.
24. Vasaghi Gharamaleki, M., et al., The hospitalization rate of cerebral venous sinus thrombosis before and during COVID-19 pandemic era: a single-center retrospective cohort study. *Journal of Stroke and Cerebrovascular Diseases* 2022, 31: 106468.
25. Rostamihosseinkhani, M., et al., True mycotic aneurysms: a report of three patients with internal carotid artery aneurysm and mucormycosis and literature review. *Shiraz E Medical Journal* 2022, 23: e127071.
26. Zafarmand, S.S., Karimi-Haghighi, S., **Salehi, M.S.**, Hooshmandi, E., Owjifard, M., Bayat, M., Karimlou, S., Pandamooz, S., Dianatpour, M., Borhani-Haghighi, A., Aspirin impacts on stem cells: Implications for therapeutic targets. *Tissue and Cell* 2022, 74: 101707.
27. Zafarmand, S.S., **Salehi, M.S.**, Mokhtari, M.J., Safari, A., Pandamooz, S., Dianatpour, M., Borhani-Haghighi, A., Acetylsalicylic acid enhanced neurotrophic profile of epidermal neural crest stem cells: a possible approach for the combination therapy. *Physiology and Pharmacology* 2022, 26: 200-212.
28. **Salehi, M.S.**, Neumann, I.D., Jurek, B., Pandamooz, S., Co-stimulation of oxytocin and arginine-vasopressin receptors affect hypothalamic neurospheroid size. *International Journal of Molecular Sciences* 2021, 22: 8646.
29. Pandamooz, S., Jurek, B., **Salehi, M.S.**, Mostaghel, M., Miyan, J.A., Dianatpour, M., Borhani-Haghighi, A., The implementation of preconditioned epidermal neural crest stem cells to combat ischemic stroke. *Brain Sciences* 2021, 11: 653.
30. Chavoshinezhad, S., Zibaii, M.S., Seyed Nazari, M.H., Ronaghi, A., Asgari Taei, A., Ahmad Ghorbani, A., Pandamooz, S., **Salehi, M.S.**, Valian, N., Motamedi, F., Haghparast, A., Dargahi, A., Optogenetic stimulation of entorhinal cortex reveals the implication of insulin signaling in adult rat's hippocampal neurogenesis. *Progress in Neuro-Psychopharmacology and Biological Psychiatry* 2021, 111: 110344.
31. Ostovan, V.R., Foroughi, R., Rostami, M., Almasi-Dooghaee, M., Manouchehr Esmaili, M., Bidaki, A.A., Behzadi, Z., Farzadfar, F., Marbooti, H., Rahimi-Jaberi, A., Poursadeghfard, M., Fadakar, N., Bayat, M., Owjifard, M., **Salehi, M.S.**, Zafarmand, S.S., Mardi, F., Safari, S., Shima Shahjouei, S., Mowla, A., Azarpazhooh, M.R., Zand, R., Hooshmandi, E., Borhani-Haghighi, A., Cerebral venous sinus thrombosis associated with COVID-19: a case series and literature review. *Journal of Neurology* 2021, 268: 3549-3560.
32. **Salehi, M.S.**, Pandamooz, S., Jurek, B., Epidermal neural crest stem cells as a perspective for COVID-19 treatment. *Stem Cell Reviews and Reports* 2021, 17: 291-292.
33. **Salehi, M.S.**, Pandamooz, S., Safari, A., Jurek, B., Tamadon, A., Namavar, M.R., Dianatpour, M., Dargahi, L., Azarpira, N., Fattahi, S., Shid Moosavi, S.M., Keshavarz, S., Khodabandeh, Z., Zare, S., Nazari, S., Heidari, M., Izadi, S., Poursadeghfard, M., Borhani-Haghighi, A., Epidermal neural crest stem cell transplantation as a promising therapeutic strategy for ischemic stroke. *CNS Neuroscience & Therapeutics* 2020, 26: 670-681.
34. Pandamooz, S., Jafari, A., **Salehi, M.S.**, Jurek, B., Ahmadiani, A., Safari, A., Hassanajili, S., Borhani-Haghighi, A., Dianatpour, M., Niknejad, H., Azarpira, N., Dargahi, L., Substrate stiffness

- affects the morphology and gene expression of epidermal neural crest stem cells in a short term culture. *Biotechnology & Bioengineering* 2020, 117: 305-317.
35. **Salehi, M.S.**, Khazali, H., Mahmoudi, F., Janahmadi, M., The effects of supraphysiological levels of testosterone on neural networks upstream of gonadotropin-releasing hormone neurons. *Iranian Journal of Basic Medical Sciences* 2019, 22: 1065-1072.
36. Chavoshinezhad, S., Mohseni Kouchesfahani, H., **Salehi, M.S.**, Pandamooz, S., Ahmadiani, A., Dargahi, L., Intranasal interferon beta improves memory and modulates inflammatory responses in a mutant APP-overexpressing rat model of Alzheimer's disease. *Brain Research Bulletin* 2019, 297-306.
37. Pandamooz, S., **Salehi, M.S.**, Safari, A., Azarpira, N., Hervari, M., Ahmadiani, A., Dargahi, L., Enhancing the expression of neurotrophic factors in epidermal neural crest stem cells by valproic acid: A potential candidate for combinatorial treatment. *Neuroscience Letters* 2019, 704: 8-14.
38. **Salehi, M.S.**, Borhani-Haghighi, A., Pandamooz, S., Safari, A., Dargahi, L., Dianatpour, M., Tanideh, N., Dimethyl fumarate up-regulates expression of major neurotrophic factors in the epidermal neural crest stem cells. *Tissue and Cell* 2019, 56: 114-120.
39. Pandamooz, S., **Salehi, M.S.**, Zibaii, M.I., Safari, A., Nabiuni, M., Ahmadiani, A., Dargahi, L., Modeling traumatic injury in organotypic spinal cord slice culture obtained from adult rat. *Tissue and Cell* 2019, 56: 90-97.
40. Pandamooz, S., **Salehi, M.S.**, Zibaii, M.I., Ahmadiani, A., Nabiuni, M., Dargahi, L., Epidermal neural crest stem cell-derived glia enhance neurotrophic elements in an ex vivo model of spinal cord injury. *Journal of Cellular Biochemistry* 2018, 119(4): 3486-3496.
41. Wang, H., Khoradmehr, A., Jalali, M., **Salehi, MS.**, Tsutsui, K., Jafarzadeh Shirazi, MR., Tamadon, A., The roles of RFamide-related peptides (RFRPs), mammalian gonadotropin-inhibitory hormone (GnIH) orthologues in female reproduction. *Iranian Journal of Basic Medical Sciences* 2018, 21: 1210-1220.
42. **Salehi, M.S.**, Pandamooz, S., Khazali, H., Oxytocin intranasal administration as a new hope for hypogonadotropic hypogonadism patients. *Medical Hypotheses* 2017, 109: 88-89.
43. **Salehi, M.S.**, Khazali, H., Mahmoudi, F., Janahmadi, M., Oxytocin intranasal administration affects neural networks upstream of GNRH neurons. *Journal of Molecular Neuroscience* 2017, 62: 356-362.
44. **Salehi, M.S.**, Namavar, M.R., Tamadon, A., Bahmani, R., Jafarzadeh Shirazi, M.R., Khazali, H., Dargahi, L., Pandamooz, S., Mohammad-Rezazadeh, F., Rashidi, F.S., The effects of acoustic white noise on the rat central auditory system during the fetal and critical neonatal periods: a stereological study. *Noise & Health* 2017, 19(86): 24-30.
45. Pandamooz, S., **Salehi, M.S.**, Nabiuni, M., Dargahi, L., Valproic acid preserves motoneurons following contusion in organotypic spinalcord slice culture. *The Journal of Spinal Cord Medicine* 2017, 40(1): 100-106.
46. Mohammad-Rezazadeh, F., Jafarzadeh Shirazi, M.R., Zamiri, M.J., **Salehi, M.S.**, Namavar, M.R., Akhlaghi, A., Tamadon, A., Tsutsui, K., Seasonal changes in hypothalamic gonadotropin inhibitory

- hormone expression in the paraventricular nucleus of chukar partridge (*Alectoris chukar*). *Animal Reproduction* 2017, 14(2): 452-458.
47. Pandamooz, S., **Salehi, M.S.**, Nabiuni, M., Dargahi, L., Pourghasem, M., Evaluation of epidermal neural crest stem cells in organotypic spinal cord slice culture platform. *Folia Biologica* 2016, 62: 263-267.
48. **Salehi, M.S.**, Mirzaii-Dizgah, I., Vasaghi-Gharamaleki, B., Zamiri, M.J., Effect of hindlimb unloading on stereological parameters of the motor cortex and hippocampus in male rats. *Neuroreport* 2016, 27(16): 1202-1205.
49. **Salehi, M.S.**, Tamadon, A., Jafarzadeh Shirazi, M.R., Namavar, M.R., Zamiri, M.J., The role of arginine-phenylalanine-amide-related peptides in mammalian reproduction. *International Journal of Fertility & Sterility* 2015, 9(3): 268-276.
50. Jafarzadeh Shirazi, M.R., Zamiri, M.J., **Salehi, M.S.**, Moradi, S., Tamadon, A., Namavar, M.R., Akhlaghi, A., Tsutsui, K., Caraty, A., Differential expression of RFamide-related peptide, a mammalian gonadotrophin-inhibitory hormone orthologue, and kisspeptin in the hypothalamus of Abadeh ecotype does during breeding and anoestrous seasons. *Journal of Neuroendocrinology* 2014, 26(3): 186-194.
51. Zandi, M.R., Jafarzadeh Shirazi, M.R., Tamadon, A., Akhlaghi, A., **Salehi, M.S.**, Niazi, A., Moghadam, A., Hypothalamic expression of melanocortin-4 receptor and agouti-related peptide mRNAs during the estrous cycle of rats. *International Journal of Molecular and Cellular Medicine* 2014, 3(3): 183-189.
52. Arjmand, M., Mirzaei, A., Jafarzadeh Shirazi, M.R., Tamadon, A., **Salehi, M.S.**, Saeb, M., Namavar, M.R., Zandi, M.R., Shahheidari, H., Moradi, M., Clarke, I.J., Luteal activity of Abadeh ecotype does in summer and winter and the effect of a single dose of kisspeptin-10 injection on luteinizing hormone secretion in the anestrus does. *Veterinary Research Forum* 2014, 5(4): 247-254.
53. **Salehi, M.S.**, Tamadon, A., Vahedi, M., Rahmanifar, F., Jafarzadeh Shirazi, M.R., Aghazi, M., Change in sex ratio among newborn rats in response to potassium supplements (In Persian with English abstract). *Journal of Veterinary Research*. 2014, 69(3): 227-230.
54. **Salehi, M.S.**, Jafarzadeh Shirazi, M.R., Zamiri, M.J., Pazhoohi, F., Namavar, M.R., Niazi, A., Ramezani, A., Tanideh, N., Tamadon, A., Zarei, A., Hypothalamic Expression of KiSS1 and RFamide-related Peptide-3 mRNAs during The Estrous Cycle of Rats. *International Journal of Fertility & Sterility* 2013, 6(4): 304-309.
55. Pazhoohi, F., **Salehi, M.S.**, Effect of gonadotropin inhibitory hormone (GnIH) secretion on post-ejaculatory refractory period. *Hypothesis* 2013, 11(1): e2.
56. Jafarzadeh Shirazi, M.R., Pazhoohi, F., Zamiri, M.J., **Salehi, M.S.**, Namavar, M.R., Tanideh, N., Tamadon, A., Zarei, A., Tsutsui, K., Expression of RFamide-related peptide in the dorsomedial nucleus of hypothalamus during the estrous cycle of rats (In Persian with English Abstract). *Physiology and Pharmacology*, 2013, 17(1): 72-79.
57. **Salehi, M.S.**, Namavar, M.R., Jafarzadeh Shirazi, M.R., Rahmanifar, F., Tamadon, A., A simple method for isolation of the anteroventral periventricular and arcuate nuclei of the rat hypothalamus. *International Journal of Experimental and Clinical Anatomy* 2012-2013, 6-7: 48-51.

## Papers in Conferences

1. **Salehi, M.S.**, Karimi-Haghighi, S., Pandamooz, S., Borhani-Haghighi, A., The short-term therapeutic potential of human hair follicle-derived stem cells and their conditioned medium in a rat model of stroke. The 11th IBRO World Congress of Neuroscience, 9-13 September 2023, Granada, Spain.
2. Pandamooz, S., **Salehi, M.S.**, Jurek, B., Dianatpour, M., Neumann, I., Oxytocin receptor expression in hair follicle stem cells: a promising model for biological and therapeutic discovery in neuropsychiatric disorders. The 11th IBRO World Congress of Neuroscience, 9-13 September 2023, Granada, Spain.
3. **Salehi, M.S.**, Khazali, H., Mahmoudi, F., Janahmadi, M., Oxytocin intranasal administration affects neural networks upstream of GNRH neurons. FENS Regional Meeting, 20-23 September 2017, Pecs, Hungary.
4. Pandamooz, S., **Salehi, M.S.**, Nabiuni, M., Substrate stiffness may influence on the fate of epidermal neural crest stem cells. Mechanical Forces in Biology, 12-15 July 2017, EMBL Heidelberg, Germany.
5. **Salehi, M.S.**, Namavar, M.R., Tamadon, A., Bahmani, R., Khazali, H., The effects of acoustic white noise on the rat central auditory system during the fetal and critical neonatal periods: a stereological study. European Neuroscience Conference for Doctoral Students (ENCODS), 29 June - 2 July 2016, Elsinore, Denmark.
6. **Salehi, M.S.**, Namavar, M.R., Tamadon, A., Bahmani, R., Jafarzadeh Shirazi, M.R., Dargahi, L., Mohammadrezazadeh, F., Pandamooz, S., Rashidi, F., Alterations of central auditory system volume by acoustic white noise during the fetal and critical neonatal periods in rat. The 12<sup>th</sup> Iranian Congress on Anatomical Sciences, 4-6 May 2016, Tehran, Iran.
7. **Salehi, M.S.**, Mirzaii-Dizgah, I., Zamiri, M.J., Mohammadrezazadeh, F., Namavar, M.R., Effects of simulated microgravity on stereological parameters of motor cortex and hippocampus in male rats. The 4<sup>th</sup> Basic and Clinical Neuroscience Congress, 23-25 December 2016, Tehran, Iran.
8. Mohammadrezazadeh, F., Jafarzadeh Shirazi, M.R., Zamiri, M.J., **Salehi, M.S.**, Namavar, M.R., Akhlaghi, A., Seasonal changes in hypothalamic gonadotropin-inhibitory hormone expression in *Alectoris chukar*. The 16<sup>th</sup> Congress on Reproductive Biomedicine, 2-4 September 2015, Tehran, Iran.
9. Bahmani, R., Namavar, M.R., Tamadon, A., **Salehi, M.S.**, Jafarzadeh Shirazi, M.R., Rezazadeh, F., The effect of acoustic white noise during the fetal and critical neonatal periods on the rat central auditory centers volume- A preliminary study (In Persian). The 14<sup>th</sup> Iranian Congress of Audiology. 19-21 May 2015, Tehran, Iran.
10. **Salehi, M.S.**, Tamadon, A., Jafarzadeh Shirazi, M.R., Moradi, S., Saeb, M., Luteal activity of Fars province native goat in summer and winter (In Persian). The 8<sup>th</sup> Convention of Iranian Veterinary Clinicians. 23-25 October 2013, Shiraz, Iran.
11. **Salehi, M.S.**, Tamadon, A., Vahedi, M., Rahmanifar, F., Jafarzadeh Shirazi, M.R., Aghazi, M., Change of sex ratio of rat pups by potassium supplement in diet (In Persian). The 21<sup>st</sup> International Iranian Congress of Physiology and Pharmacology. 23-27 August 2013, Tabriz, Iran.



12. Zamiri, M.J., **Salehi, M.S.**, Jafarzadeh Shirazi, M.R., Namavar, M.R., Tamadon, A., Caraty, A., Expression of kisspeptin neurons in the arcuate nucleus of the goat during the follicular and luteal phases - A preliminary study. Proceedings of the 17<sup>th</sup> International Congress on Animal Reproduction (ICAR), 29 July - 2 August 2012, Vancouver, Canada.
13. Moardi, S., Jafarzadeh Shirazi, M.R., Zamiri, M.J., **Salehi, M.S.**, Tamadon, A., Akhlaghi, A., Tsutsui, K., Pattern of gonadotropin inhibitory hormone expression in the hypothalamus of Fars indigenous goats (In Persian). The 5<sup>th</sup> Congress on Animal Science. 29-30 August 2012, Esfahan, Iran.
14. **Salehi, M.S.**, Jafarzadeh Shirazi, M.R., Zamiri, M.J., Pazhoohi, F., Namavar, M.R., Niazi, A., Ramezani, A., Tanideh, N., Tamadon, A., Expression of KiSS-1 genes in hypothalamus of rat during estrous cycle (In Persian). The First Symposium on Biotechnology in Animal Science. 22 September 2011, Esfahan, Iran.
15. Pazhoohi, F., Jafarzadeh Shirazi, M.R., Zamiri, M.J., **Salehi, M.S.**, Namavar, M.R., Niazi, A., Ramezani, A., Tanideh, N., Tamadon, A., Expression RFamide-related peptide-3 during estrous cycle in hypothalamus of rat (In Persian). The First Symposium on Biotechnology in Animal Science. 22 September 2011, Esfahan, Iran.
16. **Salehi, M.S.**, Dadpasand, M., Effect of heat stress on ovarian function and blood parameters (A review, In Persian). The 1<sup>st</sup> National Seminar of Animal Production in Hot Climates. 7 September 2011, Kerman, Iran.
17. Zamiri, M.J., Arefnejad, B., **Salehi, M.S.**, Reproductive research in Holstein cows in Iran (A review, In Persian). The 2<sup>nd</sup> National Congress on Holstein Cattle. 25-26 May 2010, Karaj, Iran.

### **PROFESSIONAL TRAININGS & CERTIFICATES**

1. Basic & research concepts of neuropsychiatric disorders. The 2<sup>nd</sup> IBRO/APRC Chandigarh neuroscience school, 14-22 December 2016, Chandigarh, India.
2. Cellular mechanisms and networks in addiction. FENS-SfN summer school, 29 May - 4 June 2016, Bertinoro, Italy.
3. Neurostereology, the introduction to stereology for neuroscientists. Neuroscience Research Center, Shahid Beheshti University of Medical Sciences, 17-18 May 2016, Tehran, Iran.
4. Principles of cell culture. Neurobiology research center, Shahid Beheshti University of Medical Sciences, spring 2016 (20 hours), Tehran, Iran.
5. Using optogenetic technique in neuroscience experiments. Neuroscience Research Center, Shahid Beheshti University of Medical Sciences, 3 February 2016, Tehran, Iran.
6. Basic approaches in neurological diseases. The 4<sup>th</sup> Tehran IBRO neuroscience school, 17-28 October 2014, Tehran, Iran.
7. Isolation and culture of bone marrow mesenchymal stem cell. Stem Cell and Transgenic Technology Research Center (SCTRC), Mother and Child Hospital, Shiraz University of Medical Science, 9-10 February 2012, Shiraz, Iran.

8. Culture of Embryonic Stem Cell, 2012. Stem Cell and Transgenic Technology Research Center (SCTRC), Mother and Child Hospital, Shiraz University of Medical Science, 2-3 February 2012, Shiraz, Iran.
9. Principles of Real-Time PCR. Institute of Biotechnology, Shiraz University, 15-16 May 2011, Shiraz, Iran.
10. Research methods. Shiraz University, 11 November 2010, Shiraz, Iran.

### **PROFESSIONAL EXPERIENCES IN PRACTICE**

- Middle cerebral artery occlusion (MCAO) surgery
- Gene delivery by viral particle
- Cell Culture
- Immunohistochemistry, Immunocytochemistry
- Real-time PCR
- Neurostereology
- Animal handling

### **TEACHING EXPERIENCES**

1. Teaching assistant in the 1<sup>st</sup> IBRO/APRC Tehran advanced school of neuroscience, 29 April – 11 May 2017, Tehran, Iran.
2. Teaching assistant in the 5<sup>th</sup> IBRO/APRC Tehran neuroscience school, 30 April – 11 May 2016, Tehran, Iran.

### **SCIENTIFIC ACTIVITY**

English editor of Physiology and Pharmacology Journal, 2016-Present.

### **REFEREES**

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