

Department of Physiology & Pharmacology, Pasteur Institute of Iran, Pasteur avenue, Tehran 13169-3551, Iran. Tel, Fax: 0098 21 66968854 E-mail: <u>sayyahm2@pasteur.ac.ir</u> sayyahm2@yahoo.com

Mohammad Sayyah

| Date of birth | 1969 |
|---------------|---|
| Education | 1988-1993 Pharm. D. Tehran University of Medical Sciences, Tehran 1993-1997 Ph. D. in Pharmacology Shaheed Beheshti University of Medical Sciences, Tehran 2005-2006 Post-doctoral fellow, Innsbruck University of Medical Sciences, Austria |
| Positions | 2015-present Member of the board of Iranian Society of Physiology and Pharmacology 2013-present Professor of Pharmacology, Head of department of Physiology and Pharmacology, Pasteur Institute of Iran, Tehran 2013-present Editorial board of Iranian Biomedical Journal 2007-2009 Head of department of Physiology and Pharmacology 2005-2006 Post-doctoral fellow, Innsbruck University of Medical Sciences, Austria 2006-present Member of scientific committee evaluation of Physiology proposals of Tarbiat Modarres university 2007-present Member of scientific faculty evaluation of Pasteur Institute of Iran 2007-present Member of judgment and monitoring of the grants of Pasteur Institute of Iran 1998-2000 Advisor to Ministry of Health in Rational Prescribing Committee, Tehran 1998-2000 Advisor to Food and Drug Quality Control Laboratories, Tehran |

| Research projects | |
|-------------------|---|
| Research projects | 1. Impact of Pam-3-Cvs on memory deficit induced by traumatic brain injury in rats. |
| | Supported by grant No 4002330 from National Institute for Medical Research |
| | Development (NIMAD) Underway |
| | 2 Impact of Immediate administration of Monophosphoryl lipid A after brain trauma on |
| | 2. Impact of miniculate administration of wonophosphoryi npid A after of am trauma of |
| | No. 995741 from National Institute for Medical Research Development (NIMAD) |
| | Inderway |
| | 2 Anticonvulsant activity of decessboyconoul otherologide and disconversional |
| | 5. Anticonvulsant activity of docosanexaction summarized by grant No. 082645 from |
| | Netional Institute for Medical Descent Development (NIMAD). Undernoon |
| | National Institute for Medical Research Development (NIMAD). Underway. |
| | 4. Evaluation of the post-traumatic administration of exosomes extracted from M2 microgila |
| | in the prevention of posttraumatic-epilepsy in rats. Supported by grant No. 963339 from |
| | National Institute for Medical Research Development (NIMAD). Completed. |
| | 5. Evaluation of neuroprotective effect of M2-microglia Exosomes on neurotoxicity induced |
| | by HIV-1 Nef protein. Supported by grant No. 885 of Pasteur Institute of Iran. Underway. |
| | 6. Effect of chronic toxoplasmosis on synaptic plasticity in rats: involvement of cannabinoid |
| | system. Supported by grant No. 990 of Pasteur Institute of Iran. Completed. |
| | 7. Role of cannabinoid receptors in proconvulsant effect of <i>Toxoplasma gondii</i> in mice. |
| | Supported by grant No. 971015 from National Institute for Medical Research Development |
| | (NIMAD). Completed. |
| | 8. Effect of IL-4 on acquisition of epilepsy in rats underwent traumatic brain injury. |
| | Supported by grant No. 943697 from National Institute for Medical Research Development |
| | (NIMAD). Completed. |
| | 9. Evaluation of lentiviral vector pseudotyped by Rabies glycoprotein in control of drug- |
| | resistant epilepsy by optical modification of neural network. Supported by grant No. 859 of |
| | Pasteur Institute of Iran. Completed. |
| | 10. Clinical and experimental assessment of association between toxoplasmosis (Toxoplasma |
| | gondii) and acquisition of epilepsy. Supported by grant No. 751 of Pasteur Institute of Iran. |
| | Completed. |
| | 11. Possible prevention of plaque formation by early and specific microglia activation; an |
| | insight to Alzheimer's disease prevention. Supported by grant No. 702 of Pasteur Institute |
| | of Iran. Completed. |
| | 12. Evaluation of the lipopolysaccharide pretreatment on acquisition of epilepsy in rats |
| | underwent traumatic brain injury and possible involvement of IL-1β and TNF-a. Supported |
| | by grant No. 634 of Pasteur Institute of Iran. Completed. |
| | 13. Design, synthesis and evaluation of the anticonvulsant activity of the Ducosa |
| | Hexaenoic acid "DHA" like molecules in experimental model of seizures using in |
| | silico techniques. Supported by grant No. 594 of Pasteur Institute of Iran. Completed. |
| | 14. Evaluation of the effect of neuroinflammation induced by lipopolysaccharide on gene |
| | and protein expression of connexins 30, 32, 36 and 43 in hippocampus of rats. |
| | Supported by grant No. 472 of Pasteur Institute of Iran. Completed. |
| | 15. Study on the effect of Cicer arietinum seed extract on seizures induced by |
| | pentylenetetrazole and maximal electroshock in mice. Supported by grant No. 485 of |
| | Pasteur Institute of Iran. Completed. |
| | 16. Anticonvulsant effect of some plant species of Fabaceae family in mice. Supported by |
| | grant No. 374 of Pasteur Institute of Iran. Completed. |
| | 17. Determination of single nucleotide polymorphisms frequency in the multi drug |
| | resistance 1 gene (MDR1) in drug-resistant and drug-responsive epileptic patients. |
| | Supported by grant No. 332 of Pasteur Institute of Iran. completed. |
| | 18. Evaluation of mRNA and protein expression of connexins 36 and 43 in hippocampus |
| | of rats during pentylenetetrazole kindling model of epilepsy. Supported by grant No. |
| | 301 of Pasteur Institute of Iran. completed. |
| | 19. Evaluation of the effect of intrahippocampal injection of lipopolysaccharide on |
| | development of kindling. Supported by grant No. 220 of Pasteur Institute of Iran. |
| | Completed. |
| | 20. Effect of intracerebroventricular injection of Interleukin-1 beta on development of |
| | kindled-seizures, involvement of prostaglandins and nitric oxide. Supported by grant |
| | No. 151 of Pasteur Institute of Iran. Completed. |
| | 21. Evaluation of cytotoxic effects of Chenopodium botrys and Elaeagnus angustifolia |
| | extracts on the different types of human cancer cell lines. Supported by grant No. 188 |

| | of Pasteur Institute of Iran. Completed. 22. Interaction of eugenol with NMDA receptor mediated synaptic transmission in CA1 area of rat hippocampal slices. Supported by grant No. 157 of Pasteur Institute of Iran. Completed. 23. Determination of the anticonvulsant activity of the fruit essential oil of Ferula gummosa in mice. Supported by grant No. 138 of Pasteur Institute of Iran. Completed. 24. Evaluation of the anticonvulsant activity of Progesterone and its metabolite allopregnanolone in kindling model of epilepsy and its possible interaction with GABAergic system. Supported by a grant of Shaheed Beheshti University of Medical |
|-----------------|---|
| Awards received | Sciences. Completed. Winner of Medical Basic Sciences award in 6 th Razi Festival of medical sciences, 2000. |
| Publications | <u>https://scholar.google.com/citations?user=B3Dn98kAAAAJ&hl=en</u> <u>https://isid.research.ac.ir/Mohammad_Sayyah</u> |