CURICULUM VITAE

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SUMMARY

I work in academia as an internationally recognized neuropharmacology and neuroimmunology researcher. I published more than 500 scientific reports in the field of neuropsychopharmacology and signal transduction . I am leading a laboratory interested in understanding the fundamental neurobiological mechanisms of neuropsychiatric disorders to contribute at development of new pharmacological treatments. We use genetic, neuroendocrine and neurochemical methods. We recognize the role of the immune system in modulating neuropsychiatric diseases and we are developing in vitro cellular models and in vivo animal models to study the neuro-immune interactions under normal and disease states I has successfully combined research, teaching, administration and clinical care and continue to work on advancing our understanding of serious mental illness and drug development. We used to translate research findings into medical practice for the purposes of diagnosing, preventing and treating diseases. I has published scientific reports on peptides, their receptors, signal transduction and the role of these neuropeptides in the immune systems. I hold patents for using modified peptides in the treatment of septic shock. I have skills and expertise in receptor pharmacology, immunohistochemistry, in vivo and in vitro cell culture, biochemistry, animal models, cell and molecular biology. I has lectured worldwide on these subjects and the others. I have 19 years of research experience with development and use of in vitro models to test compounds, such as receptor binding, receptor activation, signal transduction, receptor-receptor interactions, and induction of changes in cell cycle, proliferation and apoptosis. Furthermore I validated appropriate assays and models of diseases, screen compounds, and study mechanisms of action.

EDUCATION

Ph.D. in Neuroendocrinology

WORK EXPERIENCE

Professor of Neuropharmacology:	University of South California, Los Angeles P September 1996- present
Senior Scientist:	Mount Sinai School of Medicine, New York September 1994 –September 1996
Senior Scientist:	George Washington University, Washington D.C. and Peptide Technologies, Maryland September 1992-September 1994
Visiting Scientist:	National Institute of Mental Health and Peptide Design, Bethesda, MD September 1987-September 1992

SELECTED PUBLICATIONS

Fagarasan, M. O.; Galea, V.; Toader, S.: "Chronic poisoning with trifluoperazine in rats. Kinetics of metabolites and hematologic changes." *Clujul Medical*, 57(2): 143-146, 1984.

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Fagarasan, M. O.; Eskay, R.; Axelrod, J.: "Interleukin 1 potentiates the secretion of beta-endorphin induced by secretagogues in a mouse pituitary cell line (AtT-20). *Proc. Natl. Acad. Sci. USA*, 86: 2070-2073, 1989.

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Moody, T.; W.; Zia, F. Venugopal; R., Korman, L. ,Y.; Goldstein A., L, Fagarasan, M. O.,: " Corticotropin -Releasing Factor stimulate cyclic AMP, arachidonic acid release and growth of lung cancer cells." *Peptides*, 15, (2): 281-285, 1994.

Zia, F.; Fagarasan, M. O.: Bitar, K.; Coy, D.,H., Pisegna, J.,R.; Wang, S., A., Moody, T.,W. " Pituitary adenilate cyclase activating peptide receptors regulate the growth of non-small lung cancer cells" *Cancer Research* 55(21): 4886-91, 1995.

Moody, T.,W.; Fagarasan, M. O.; Zia, F., " Neuromedin B stimulates arachidonic acid release, c-fos gene expression and the growth of c6 glioma cells". Peptides, 16, (6), :1133-1140., 1995.

Knight, M., Fagarasan, M. O.; Takahashi, K., Gebblaoui, A., Z., Ma,Y., Ito, Y. Separation and purification of peptides by high -speed counter-current chromatography." *J. Chromatogr.* A, 702 (1-2) :207-214, 1995.

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Fagarasan, M. O,; Aisen, P. S.: "IL-1 and Anti-inflammatory drugs modulate Amyloid beta cytotoxicity in PC12 cells" . *Brain Research* 723, 231-234, 1996.

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Fagarasan, M. O.; Sevilla D.; Baruch B.; Santoto J.; Marin D.; and Aisen P.S.: Plasma C3a levels in Alzheimer's disease. *Alzheimer's Research* 3, 137-140, 1997.

Badamchian, M; Fagarasan, M.O.; Danner, R.L., Goldstein, A.L. : Thymosin beta 4

reduces lethality and down regulates inflammatory mediators in endotoxin-induced septic shock. "*Int. J. of Imm. Pharm*". 2003

PATENTS

1. Method of treating septic shock using thymosin beta 4.
2. Method of treating septic shock by preventing actin polymerization.