



Name: Dr. Raheel Saeed

Education: M. Phil (Molecular Medicine), Pharm-D

Designation: Lecturer

Dr. Saeed obtained his M. Phil in Molecular Medicine from University of Karachi. He is a dynamic researcher who is trying to answer critical research questions related to neurochemistry and neuroendocrinology. Currently, he's trying to understand the interplay between cortisol and serotonergic neurotransmission in neuropsychiatric disorders. He has worked on understanding the role of dietary deficiency of tryptophan in inducing neurochemical, hormonal and behavioral changes in animal models of eating disorders.

Dr. Saeed makes use of several contemporary molecular techniques for studying the effects of drugs on neurotransmission in lab animals. A few include HPLC-EC, ELISA and qRT-PCR. Along with neuropharmacology, he's equally interested in the designing and pre-clinical testing of newer dosage forms. He has successfully developed a medicinal product capable of alleviating the symptoms of metabolic syndrome. These diverse research backgrounds and experiences have transformed him from just a "pharmacist" into a multi-talented researcher in life sciences. His few recent publications include:

- Saeed, R., Mahmood, K., Ali, S. B., & Haleem, D. J. (2022). Behavioral, Hormonal, and Serotonergic Responses to Different Restricted Feeding Schedules in Rats. *International Journal of Tryptophan Research*. 1-8.
- Saeed, R., Mahmood, K., Ali, S. B., & Haleem, D. J. (2021). Prevention of diet restriction induced hyperactivity but not body-weight reduction in rats co-treated with tryptophan: relationship with striatal serotonin and dopamine metabolism and serotonin-1A auto-receptor expression. *Nutritional Neuroscience*, 1-10.
- Ali, S. B., Mahmood, K., Saeed, R., Salman, T., Choudhary, M. I., & Haleem, D. J. (2020). Elevated anxiety, hypoactivity, memory deficits, decreases of brain serotonin and 5-HT-1A receptors expression in rats treated with omeprazole. *Toxicological Research*, 1-12.