

Curriculum Vitae

SAMINA SALIM, Ph.D.

Associate Professor

Personal Mission Statement

My life-long goal is to study, contribute and advance an approach that situates the topic of health within a neuro-socioecological context, thus incorporating methodologies and conceptual apparatus from various disciplines to target health from vantage points of basic neuroscience, ethnic and racial contexts of communities and society. As a scientist, I have extensive experience in basic neuroscience work focused on neurobehavioral studies, but my core interests are anchored in the real-life domains of health, social, and human phenomena that could be empirically studied and understood to improve mental health and general well-being. Pursuing this line of work and building on my basic neuroscience expertise, I have initiated large scale population-based self-report data collection work in refugee populations in the greater Houston area. Within this framework, I work extensively on biological, methodological, theoretical, and empirical anchoring of the constructs of social participation, social support, post-migratory living conditions, and trauma susceptibility and resiliency among refugees. My work is presently focused on two areas: basic neuroscience work and the design of longitudinal studies of refugee health delineating the process of post-resettlement change in health in relation to social contexts. Through this work, I have initiated extensive collaborations with the civil society, and national and local non-profit organizations.

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EDUCATION:

- B.S, Biochemistry, 1990, Aligarh Muslim University, Aligarh, India
- Masters, Biochemistry, 1992, Aligarh Muslim University, Aligarh, India
- Ph.D. Biochemistry, 1997, Aligarh Muslim University, Aligarh, India

POST-DOCTORAL TRAINING:

- Laboratory of Dr. Carmen W. Dessauer, Department of Integrative Biology and Pharmacology, University of Texas Health Science Center at Houston, TX (2001-2004)
- Laboratory of Prof. Anita Aperia, Member, Nobel Academy, Department of Pediatrics, St. Goran Children's Hospital, Karolinska Institutet, Stockholm, Sweden (1996-1997)
- Laboratory of Prof. Hans Jornvall, Secretary, Nobel Forum and Dr. Udo Oppermann, Dept. of Medical Biochemistry Biophysics, Karolinska Institute, S-17177 Stockholm, Sweden (1997-1998)

PROFESSIONAL EXPERIENCE:

- Research Assistant Professor (Research track), University of Houston, Department of Pharmacological and Pharmaceutical Sciences, Houston, TX, (2004-2012)
- Assistant Professor (Tenure-track), University of Houston, Department of Pharmacological and Pharmaceutical Sciences, Houston, TX (2012-2017)

- Associate Professor (Tenured), University of Houston, Department of Pharmacological and Pharmaceutical Sciences, Houston, TX (2017-present)
- Assistant Dept. Chair, Department of Pharmacological and Pharmaceutical Sciences, University of Houston, Houston, TX (11/01/2019-06/01/2020)

PEER-REVIEWED PUBLICATIONS: *corresponding author

1. Kochi, C, Salvi A, atrooz F and **Salim S***. Simulated Vehicle Exhaust Exposure Induces Sex-Dependent Behavioral Deficits in Rats. *Environ Toxicol Pharmacol*. 2021 Apr 15;86:103660. doi: 10.1016/j.etap.2021.103660. Online ahead of print.PMID: 33865999
2. Aditi Marwaha, Marjan Zakeri, Sujit Sansgiry and **Samina Salim**. Combined Effect of Different Teaching Strategies on Student Performance in a Large-Enrollment Undergraduate Health Sciences Class. *Adv Physiol Educ*. 2021 Sep 1;45(3):454-460. doi: 10.1152/advan.00030.2021.PMID: 34124955
3. **Samina Salim***. The Stress Of the COVID-19 Pandemic: Beyond the Data. *Current Neuropharmacology*, 2021 March 10, Online ahead of print
4. Kochi C, Pokkunuri I, Salvi A, Asghar M and **Salim S***. Simulated vehicle exhaust exposure (SVEE) in rats impairs renal mitochondrial function. *Clinical and Experimental Hypertension* <https://doi.org/10.1080/10641963.2020.1766059>, May 20, 2020.
5. Safiyya Zaidi, Fatin Atrooz , Daniel Valdez, Hesong Liu, Camila Kochi, Richard A. Bond and **Samina Salim***. Protective Effect of Propranolol and Nadolol on Social Defeat-Induced Behavioral Impairments in Rats. *Neurosci Lett*. 2020 Mar 9;725:134892. doi: 10.1016/j.neulet.2020.134892.
6. Ankita Salvi, Camila Kochi and **Samina Salim***. Involvement Of Oxidative Stress And Mitochondrial Mechanisms In Air Pollution-Related Neurobiological Impairments. *Neurobiology of Stress*. 12 (2020), 100205
7. Atrooz F, and **Salim S***. Assessment of sleep and wakefulness pattern in an animal model of early life sleep deprivation. *International Journal of Advances in Science, Engineering and Technology* Vol 8, Issue 1, 2020.
8. Atrooz F, and **Salim S***. Sleep deprivation, oxidative stress and inflammation. *Adv Protein Chem Struct Biol*. 2020;119:309-336. doi: 10.1016/bs.apcsb.2019.03.001. Epub 2019 Apr 24. PubMed PMID: 31997771
9. Atrooz F, Liu H, **Salim S***. Stress, psychiatric disorders, molecular targets, and more. *Prog Mol Biol Transl Sci*. 2019;167:77-105. doi: 10.1016/bs.pmbts.2019.06.006. Epub 2019 Jul 13. PubMed PMID: 31601407.
10. Salvi A, **Salim S***. Neurobehavioral Consequences of Traffic-Related Air Pollution. *Front Neurosci*. 2019 Nov 21;13:1232. doi: 10.3389/fnins.2019.01232. eCollection 2019. Review. PubMed PMID: 31824243; PubMed Central PMCID: PMC6881276. [Impact Factor: 4.2]
11. Atrooz F, Liu H, Kochi C, **Salim S***. Early Life Sleep Deprivation: Role of Oxido-Inflammatory Processes. *Neuroscience*. 2019 Mar 1;406:22-37. doi: 10.1016/j.neuroscience.2019.02.021. [Epub ahead of print] PubMed PMID: 30826520.
12. Liu H, Patki G, Salvi A, Kelly M, **Salim S***. Behavioral effects of early life maternal trauma witness in rats. *Prog Neuropsychopharmacol Biol Psychiatry*. 2018 Feb 2;81:80-87. doi: 10.1016/j.pnpbp.2017.10.013. PubMed PMID: 29074097.

13. Salvi, A, Patki, G, Liu H and **Salim S***. Psychological Impact of Vehicle Exhaust Exposure: Insights from an Animal Model. Scientific reports Nature Publishing Group, August 16, 2017 DOI : 10.1038/s41598-017-08859-1 SREP-17.
14. Liu H, Patki G, Salvi, A, Kelly M and **Salim S***. Behavioral Effects of Early Life Maternal Trauma Witness In Rats. Prog Neuropsychopharmacol Biol Psychiatry. 2018, February 2; 81:80-87.
15. Liu H, Atrooz F, Salvi A, **Salim S***. Behavioral and cognitive impact of early life stress: Insights from an animal model. Prog Neuropsychopharmacol Biol Psychiatry. 2017 Aug 1;78:88-95. doi: 10.1016/j.pnpbp.2017.05.015. Epub 2017 May 17. PubMed PMID: 28527907.
16. Kochi C, Liu H, Zaidi S, Atrooz F, Dantoin P, **Salim S***. Prior treadmill exercise promotes resilience to vicarious trauma in rats. Prog Neuropsychopharmacol Biol Psychiatry. 2017 Jul 3;77:216-221. doi: 10.1016/j.pnpbp.2017.04.018. Epub 2017 Apr 18. PubMed PMID: 28428145.
17. Solanki N, Salvi A, Patki G, **Salim S***. Modulating Oxidative Stress Relieves Stress-Induced Behavioral and Cognitive Impairments in Rats. Int J Neuropsychopharmacol. 2017 Feb 24. doi: 10.1093/ijnp/pyx017. [Epub ahead of print] PubMed PMID: 28339814.
18. **Salim S**. Oxidative Stress and the Central Nervous System. J Pharmacol Exp Ther. 2017 Jan;360(1):201-205. Epub 2016 Oct 17. Review. PubMed PMID: 27754930; PubMed Central PMCID: PMC5193071.
19. **Salim S**, Farooqu Z, Asghar M, Khundmiri SJ, Khan F and Yusufi ANK. Effect of Fasting on Enzymes of Carbohydrate Metabolism, Brush Border Membrane and on Transport Functions in Superficial and Juxta-Medullary Cortex of Rat Kidney. J Nutr Food Sci, 2017, 7:588. doi: 10.4172/2155-9600.1000588
20. **Salim S**, Farooqui Z, Asghar M, Khundmiri SJ, Khan F and Yusufi ANK. Effect of fasting and fasting-refeeding on the structure, metabolism and transport functions of renal cortical proximal tubules from different kidney regions. Integr Food Nutr Metab, 2017 doi: 10.15761/IFNM.1000196 Volume 4(6): 1-6
21. Salvi A, Patki G, Khan E, Asghar M and **Salim S***. Protective Effect of Tempol in Buthionine sulfoximine (BSO)-induced oxidative stress in hippocampal derived HT22 cells. Oxidative medicine and cellular longevity, January 2016
22. **Samina Salim**. Oxidative stress as link between emotional wellbeing and immune response. Invited review article peer-reviewed. Current Opinion in Pharmacology. In press, March 2016
23. Solanki N, Atrooz F, Asghar S, **Salim S***. Tempol protects sleep-deprivation induced behavioral deficits in aggressive male Long-Evans rats. Neurosci Lett. 2015 Dec 23;612:245-250. doi: 10.1016/j.neulet.2015.12.032. [Epub ahead of print] PubMed PMID: 26724222.
24. Patki G, Salvi A, Liu H, **Salim S***. Witnessing traumatic events and post-traumatic stress disorder: Insights from an animal model. Neurosci Lett. 2015 Jul 23;600:28-32. doi: 10.1016/j.neulet.2015.05.060. Epub 2015 Jun 1. PubMed PMID: 26044989.
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26. Solanki N, Alkadhi I, Atrooz F, Patki G, **Salim S***. Grape powder prevents cognitive, behavioral, and biochemical impairments in a rat model of posttraumatic stress disorder. Nutr Res. 2015 Jan;35(1):65-75. doi: 10.1016/j.nutres.2014.11.008. Epub 2014 Dec 5. PubMed PMID: 25533441; PubMed Central PMCID: PMC4329242.

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29. Patki G, Solanki N, **Salim S***. Witnessing traumatic events causes severe behavioral impairments in rats. *Int J Neuropsychopharmacol*. 2014 Dec;17(12):2017-29. doi: 10.1017/S1461145714000923. Epub 2014 Jun 2. PubMed PMID: 24887568; PubMed Central PMCID: PMC4318493.
30. Patki G, Solanki N, Atrooz F, Ansari A, Allam F, Jannise B, Maturi J, **Salim S***. Novel mechanistic insights into treadmill exercise based rescue of social defeat-induced anxiety-like behavior and memory impairment in rats. *Physiol Behav*. 2014 Apr 13;130C:135-144. doi: 10.1016/j.physbeh.2014.04.011. [Epub ahead of print] PubMed PMID: 24732411.
31. Patki G, Li L, Allam F, Solanki N, Dao AT, Alkadhi K, **Salim S***. Moderate treadmill exercise rescues anxiety and depression-like behavior as well as memory impairment in a rat model of posttraumatic stress disorder. *Physiol Behav*. 2014 Mar 19;130C:47-53.[Epub ahead of print] PubMed PMID: 24657739.
32. **Salim S**. Oxidative stress and psychological disorders. *Curr Neuropharmacol*. 2014 Mar;12(2):140-7. doi: 10.2174/1570159X11666131120230309. PubMed PMID: 24669208; PubMed Central PMCID: PMC3964745.
33. Neurobiological Consequences of Oxidative Stress. Special Edition in Current Neuropharmacology, Editors **Salim S** and Alkadhi KA. *Curr Neuropharmacol*. 2014 March. Mar; 12(2): 99. Published online 2014 Mar. doi: 10.2174/1570159X1202140307122223 PMCID: PMC3964751
34. Alkadhi KA and **Salim S***. Neurobiological Consequences of Oxidative Stress. Special Edition in Current Neuropharmacology, Volume 12, Number 2, 2014. Pp 99-99, DOI: 10.2174/1570159X1202140307122223.
35. Dao AT, Zagaar MA, **Salim S**, Eriksen JL, Alkadhi KA. Regular exercise prevents non-cognitive disturbances in a rat model of Alzheimer's disease. *Int J Neuropsychopharmacol*. 2014 Apr;17(4):593-602. doi: 10.1017/S1461145713001351. Epub 2013 Nov 14. PubMed PMID: 24229510.
36. The role of Grape Powder in Emotional Well-Being and Memory Improvement. Book Chapter, Diet and Dementia, **Salim S**, Elsevier Pubs, 2014.
37. Alkadhi K, Zagaar M, Alhaider I, **Salim S**, Aleisa A. Neurobiological consequences of sleep deprivation. *Curr Neuropharmacol*. 2013 May;11(3):231-49. doi: 10.2174/1570159X11311030001. PubMed PMID: 24179461; PubMed Central PMCID: PMC3648777.
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39. Patki G, Allam FH, Atrooz F, Dao AT, Solanki N, Chugh G, Asghar M, Jafri F, Bohat R, Alkadhi KA, **Salim S***. Grape powder intake prevents ovariectomy-induced anxiety-like behavior, memory

impairment and high blood pressure in female Wistar rats. *PLoS One*. 2013 Sep 9;8(9):e74522. PubMed PMID: 24040270; PubMed Central PMCID: PMC3767647.

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44. **Salim S***, Chugh G, Asghar M. Inflammation in anxiety. *Adv Protein Chem Struct Biol*. 2012;88:1-25. doi: 10.1016/B978-0-12-398314-5.00001-5. Review. PubMed PMID:22814704.
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50. **Salim S**. Oxidative Stress in Anxiety: Implications for Pharmacotherapy. *The American Journal of Integrative Medicine*, Vol. 1, No.1, pp.1-2, 2011.
51. **Salim S***, Asghar M, Chugh G, Taneja M, Xia Z, Saha K. Oxidative stress: a Potential recipe for anxiety, hypertension and insulin resistance. *Brain Res*. 2010 Nov 4;1359:178-85. Epub 2010 Sep 26. PubMed PMID: 20816762; PubMed Central PMCID: PMC2955800.

52. **Salim S***, Sarraj N, Taneja M, Saha K, Tejada-Simon MV, Chugh G. Moderate treadmill exercise prevents oxidative stress-induced anxiety-like behavior in rats. *Behav Brain Res* 2010 Apr 2;208(2):545-52. doi: 10.1016/j.bbr.2009.12.039. Epub 2010 Jan 12. PubMed PMID: 20064565.
53. **Salim, S.**, Desai, A, and Eikenburg, DC. Chronic Epinephrine Treatment Fails to Down-Regulate the Del (301-303) Alpha_{2B}-Adrenergic Receptor in Neuronal Cells. *British Journal of Pharmacology*, Sep;158 (Themed Issue: GPCR):314-327. Sept. 2009.
54. Srivareerat, M., Tran, T., **Salim, S.**, Aleissa, AM., and Alkadhi, KA. Chronic nicotine restores normal A-beta levels and prevents short term memory and E-LTP impairment in A-beta rat model of Alzheimer's disease. *Neurobiol Aging* 2011 May;32(5):834-44. Epub 2009 May 22. PMID:19464074 [PubMed - indexed for MEDLINE]
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58. **Salim, S.**, Farooq, N., Priyamvada, S., Asghar, M., Khundmiri, S J., Khan, S., Khan, F., and Ahad Noor Khan Yusufi. Influence of Ramadan-type fasting on carbohydrate metabolism, brush border membrane enzymes and phosphate transport transport in rat kidney used as a model. *British Journal of Nutrition, 2007.*
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64. Khundmiri SJ, Asghar M, Khan F, **Salim S**, Yusufi AN. Effect of ischemia and reperfusion on enzymes of carbohydrate metabolism in rat kidney. *J Nephrol.* 2004 May-Jun; 17(3):377-83.
65. Shafqat N, Marschall HU, Filling C, Nordling E, Wu X, Bjork L, Thyberg J, Martensson E, **Salim S**, Jorvall H, Oppermann U. Expanded substrate screenings of human and Drosophila type 10 17beta-hydroxysteroid dehydrogenase reveal multiple specificities in bile acid and steroid hormone metabolism. Characterization of multifunctional 3alpha/7alpha/7beta/17beta/20beta/21-hydroxysteroid dehydrogenase. *Biochem J.* 2003 Aug 14.
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*Both authors contributed equally to this work.
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TEXT BOOKS/Book Chapters

71. **Samina Salim**. Modeling Psychological Trauma In Rats. Book Chapter, Neuromethods, Springer.
72. **Principles of Drug Action**, Edited by Aditi Marwaha, Thomas Lemke and **Samina Salim**, Cognella Pub., University Readers Inc. USA

Under Review/In Press

73. Fatin Atrooz, Karim Alkadhi and **Samina Salim**. Understanding Stress: Insights From Rodent Studies. *Invited Review Article*. Current Research in Neurobiology. (*In Press*, April 2021)
74. Kochi C, Ahmad S and **Salim S***. The effects of air pollution toxicants on the mitochondria. Invited Book chapter Elsevier Inc. (*In Press*)
75. Shazia Shakil, Juan Xavier Masjoan Juncos, Nithya Mariappan, Iram Zafar, Apoorva Amudhan, Archita Amudhan, Duha Aishah, Simmone Siddiqui, Shajer Manzoor, Cristina S Moldonado, Wilson K Rumbelha, **Samina Salim**, Aftab Ahma, Shama Ahmad*. Behavioral and neuronal effects of inhaled halogen gas; oxidative brain stem damage (*International Journal of molecular Sciences, In Press*)
76. Fatin Atrooz, Brian Biekman, Johanna Bick and **Samina Salim**. Insights from a Survey of Syrian Refugees in Houston, Texas, USA. *Brief Report, Frontiers in Public Health* (*In preparation*)
77. Fatin Atrooz, Zain Akbar, Ghalya Alrousan, **Samina Salim***. Comparative Analysis of Behavioral Responses to Early-Life Stress in Male and Female Rats. *Prog Neuropsychopharmacol Biol Psychiatry* (*In preparation*)

SELECTED ABSTRACTS/PROCEEDINGS:

1. **Samina Salim**, Fatin Atrooz, Brian Biekman, Johanna Bick. Evaluation of Mental Well-Being, and Perceived Stress in Syrian Refugees in Houston, Texas, USA. International Society of Behavioral Neuroscience (IBNS) Annual Meeting, June 1-4, 2021, Puerto Vallarta, Mexico
2. Fatin Atrooz, Ghalya Alrousan, **Samina Salim**. Early-Life Sleep Deprivation Increases Alcohol Intake in Adolescent Rats. International Society of Behavioral Neuroscience (IBNS) Annual Meeting, June 1-4, 2021, Puerto Vallarta, Mexico.
3. Zain Akbar, Ghalya-Alrousan, F. Atrooz, Johanna Bick and **Samina Salim**. Acclimation Through Enrichment: An Enrichment Pilot Program for Syrian Refugee Children in the Greater Houston Area. Collegiate Association for Inequality Research, Wake Forest University, USA, 04/24/2021

4. Zain Akbar, Ghalya-Alrousan, F. Atrooz, Johanna Bick and **Samina Salim**. Providing Enrichment For the Syrian Refugee Adolescents in the Greater Houston Area. Undergraduate Research Day, University of Houston, 04/01/2021.
5. G. Alrousan, F. Atrooz, Z. Akbar, **S. Salim**. Digital abstract presentation at the Society for Neuroscience Global Connectome meeting, January 11-13, 2021. Comparative Analysis of Behavioral Responses to Early Life Stress in Male and Female Rats.
6. Sylvia Stefanos, Benjamin Lewing, Sujit S. Sansgiry, and **Samina Salim**. Sources and impact of stress on physical, behavioral, psychological and cognitive functions of PharmD students. ASHP Midyear Clinical Meeting and Exhibition. 2019. (poster)
7. Atrooz F and **Salim S**. Assessment of sleep and wakefulness in rat model of early life sleep deprivation. 755th International Conference on Science, Technology and Management (ICSTM) Dubai, UAE. 2019. (Oral)
8. **Samina Salim**, Hesong Liu. Early Life Stress: Role of Oxido-Inflammatory Processes. 3rd NeuroNordic Conference, Finland, Helsinki, June 12-14th, 2019 (poster).
9. Fatin Atrooz, Samina Salim. Examination of Early Life Sleep Deprivation (ELSD) and Learning-Memory Function in Rats. NeuroNordic Conference, Finland, Helsinki, June 12-14th, 2019.
10. **Samina Salim***. Early Life Stress and The Brain. BIT's 10th Annual World Congress of NeuroTalk, Osaka, Japan, May 13-15, 2019. (oral)
11. Camila Kochi, Ankita Salvi, Hesong Liu, Fatin Atrooz, **Samina Salim***. Sex-dependent Cognitive Deficits from Simulated Vehicle Exhaust Exposure in Rats. BIT's 10th Annual World Congress of NeuroTalk, Osaka, Japan, May 13-15, 2019. (oral)
12. Atrooz F and S Salim, 2018. Early life sleep deprivation in rats enhanced expression of MKP-1 in the brain later in life. Sleep meeting, Baltimore, MD, USA (poster).
13. Atrooz F, Kochi C, and S Salim, 2018. Early life sleep deprivation induces mkp1 expression leading to reduction in synaptic density and plasticity in prefrontal cortex of rats. Mental health annual meeting, Gulf Coast Consortia (GCC), Houston, TX, USA (poster)
14. Atrooz F, Liu H, Kochi C, and S Salim, 2018. The impact of early life sleep deprivation on later life behaviors in rats. Experimental biology, San Diego, CA, USA (poster)
15. Atrooz F, Liu H, Kochi C, and S Salim, 2018. The behavioral and biochemical consequences of early life sleep deprivation in rats. Translational pain conference, Gulf Coast Consortia (GCC), Houston, TX, USA (poster)
16. Kochi C, Salvi A, Liu H, Atrooz F, Salim S, 2018. Insights on cognitive deficits from simulated vehicle exhaust exposure in rats. Mental health annual meeting, Gulf Coast Consortia (GCC), Houston, TX, USA (poster).
17. Kochi C, Salvi A, Liu H, Atrooz F, Salim S, 2018. Simulated vehicle exhaust exposure: An animal model. PPS symposium, Houston, TX, USA (poster)
18. Samina Salim, Hesong Liu, Fatin Atrooz. Early Life Stress, Stress-Resilience/Susceptibility and Oxidative Stress. International: Society For Free Radical Research International (SFFRI), Lisbon, Portugal, 4-7 June, 2018
19. Hesong Liu, Fatin Atrooz, Ankita Salvi and **Samina Salim**. Animal Model of Early Life Stress: Understanding Stress Resilience and Susceptibility", *ASIOA*, Houston, TX, January 16, 2017.
20. Atrooz F, Liu H, and **S Salim**, 2017. The effect of early life sleep disturbance on rat's behavior at different life stages, *ASIOA*, Houston, TX, January 16, 2017.

21. Ankita Salvi, Gaurav Patki, Hesong Liu, Safiyya Zaidi and **Samina Salim**. Psychological and Neurobiological Impact of Simulated Vehicle Exhaust Exposure (SVEE) in Rats. *ASIOA*, Houston, TX, January 17, 2017. (Oral presentation)
22. Safiyya Zaidi, Hesong Liu, Daniel Valdez, Camila Kochi, Fatin Atrooz, Ankita Salvi, Richard A. Bond and **Samina Salim**. Effectiveness of Beta Blockers in Preventing PTSD-Like Behavior in Rats. *ASIOA*, Houston, TX, January 16, 2017. (Oral presentation, First Place Award)
23. Camila Kochi, Safiyya Zaidi, Hesong Liu, Fatin Atrooz, Phoebe Dantoin, **Samina Salim**. Physical Exercise and Trauma: Insights from an Animal Model. *ASIOA*, Houston, TX, January 16, 2017
24. Camila Kochi, Safiyya Zaidi, Hesong Liu, Fatin Atrooz, Phoebe Dantoin, **Samina Salim**. Prior Treadmill Exercise Promotes Resilience in Traumatized Rats. *Experimental Biology*, Chicago 4/22-4/26, 2017
25. Indira Pokkunuri, Ankita Salvi, **Samina Salim**, Mohammad Asghar. Simulated vehicle exhaust exposure induces kidney mitochondrial damage in Sprague Dawley (SD) rats. Keystone symposium, Santa Fe, May 8-12, 2017, Santa Fe, NM.
26. Safiyya Zaidi, Hesong Liu, Daniel Valdez, Camila Kochi, Fatin Atrooz, Ankita Salvi, Richard Bond, **Samina Salim**. Protective Effect of Propranolol and Nadolol on PTSD-Like Behavior in Rats. *Experimental Biology*, Chicago 4/22-4/26, 2017.
27. A. Salvi, G. Patki, H. Liu, S. Salim. Behavioral and Biochemical Consequences of Simulated Vehicle Exhaust Exposure (SVEE) in Rats. *Experimental Biology*, Chicago 4/22-4/26, 2017.
28. Fatin Atrooz, Hesong Liu, and **Samina Salim**. Impact of Early Life Sleep Disturbance on Behavioral Parameters in Rats: Potential Role Of Oxidative Stress Mechanisms. *Sleep*, Boston 06/03-06, 2017
29. Early Life Exposure to Stress: Insights from a Rat Model. Hesong Liu and **Samina Salim**. Anxiety and Depression association of America (ADAA) Conference, March 31-April 3, Philadelphia.
30. Behavioral, cognitive and biochemical consequences of witnessing maternal abuse: Insights from an animal model. Hesong Liu, Gaurav Patki, Ankita Salvi, Mathew Kelly and **Samina Salim**. *Experimental Biology*, March 29-April 1, 2015, Boston, MS.
31. Ankita Salvi, Gaurav Patki, Hesong Liu and **Samina Salim**. Behavioral and biochemical consequences of simulated vehicle exhaust exposure. Annual Meeting of the Society For Neuroscience (SFN), October 17-21, 2015, Chicago, IL.
32. Solanki N, Patki G, Atrooz F, and Salim S. Grape powder supplementation prevents cognitive, behavioral, and biochemical impairments in the rat model of social stress (2015). Society for Neuroscience, Chicago.
33. Solanki N, Patki G, Atrooz F, and Salim S. Beneficial effects of grape powder supplement in a rat model of social stress. GRASP, 2015.
34. Solanki N, Patki G, Atrooz F, and **Salim S**. Grape powder supplementation prevents and reverses cognitive, behavioral and biochemical impairments in a rat model of social stress. Pharmacological and Pharmaceutical Symposium, Houston.
35. **Salim S**, Lui H, Salvi A and Patki G. Witnessing Maternal Abuse during Post-Natal Day 21-27 Induces Depression-Like Behavior in Adult Rats. (2014), American college of Neuropsychopharmacology, Phoenix, Arizona,)
36. Patki G, Salvi A, Liu H, Atrooz F and **Salim S**. Tempol protects anxiogenic drug induced anxiety-like behavior in rats (2014), *Society for Neuroscience, Washington D.C.*

37. Solanki N, Alkadhi I, Atrooz F, Patki G and **Salim S**. Grape powder supplementation prevents cognitive, behavioral and biochemical impairments in rat model of posttraumatic stress disorder (2014). *Society for Neuroscience, Washington D.C.*
38. Salvi A, Patki G, Asghar M and **Salim S**. Effect of tempol on oxidative stress-induced mitochondrial dysfunction in HT22 cells (2014). *5th World Congress on Targeting Mitochondria, Berlin, Germany.*
39. Kelly M, Liu H, Patki G and **Salim S**. Coping deficits in post-partum female rats (2014). University of Houston undergraduate research day, Houston.
40. Liu, H, Salvi A, Alkadhi I, Kelly M, Patki G and **Salim S**. Post-partum traumatic events trigger severe behavioral deficits in female rats (2014). Pharmacological and Pharmaceutical Symposium, Houston.
41. Salvi A, Patki G, Liu H, Atrooz F and **Salim S**. Tempol rescues social defeat-induced behavioral deficits in rats (2014). 2nd Pharmacological and Pharmaceutical Symposium, Houston.
42. Patki G, Solanki N, Allam F, Alkadhi I and **Salim S**. Increased anxiety-like behaviors is associated with differential aggression observed in retired breeder Long Evans rats (2014). *Experimental Biology, San Diego. Selected for Best Poster Competition.*
43. **Salim S**, Patki G, Chugh G, Bohat R, Allam F, Jafri F, Saleem M, Asghar M, and Alkadhi K. Grape powder supplementation improves blood pressure, anxiety-like behavior and learning and memory function in ovariectomized rats (2013). *Experimental Biology, Boston (20-24 April 2013).*
44. Patki G, Allam F, Bohat R, Jafri F and **Salim S**. Role of oxidative stress mechanisms in anxiety-like behavior and learning and memory impairment in a rat model of social stress. *Experimental Biology, Boston (20-24 April 2013).*
45. **Salim S**, Patki G, Solanki N, Ansari A, Allam F, Atrooz F, Jannise B and Maturi J. Potential role of histone acetylation in treadmill exercise based rescue of social defeat-induced anxiety and depression-like behaviors, and learning-memory impairment in rats. *FASEB, Lucca, Italy. (18-23 August 2013).*
46. Solanki N, Patki G, Atrooz F, Allam F, Ansari A, Jannise B, Maturi J and **Salim S**. Preventive effect of moderate treadmill exercise on social defeat-associated cognitive, behavioral and biochemical impairments in rats (2013). *Society of Neuroscience, San Diego (9-13 November 2013).*
47. **Salim S**, Patki G, Solanki N, Allam F and Ansari A. A new model for studying effects of witnessing traumatic events in rats. *American college of Neuropsychopharmacology, Florida (8-12 December 2013).*
48. Solanki N, Patki G, Ansari A, Allam F, Jannise B, Maturi J, Atrooz F and **Salim S**. Moderate treadmill exercise rescues social defeat-induced anxiety and depression-like behavior and learning-memory impairment in rats. *1st PPS Symposium. Department of Pharmacological and Pharmaceutical Sciences, College of Pharmacy, University of Houston, Houston, TX (15th August 2013).*
49. Patki G, Solanki N, Allam F, Amber A, **Salim S**. A new model for studying effects of witnessing traumatic events in rats. *1st PPS Symposium. Department of Pharmacological and Pharmaceutical Sciences, College of Pharmacy, University of Houston, Houston, TX (15th August 2013).*
50. Li L, Patki G, Solanki N, Allam F, Amber A, **Salim S**, Alkadhi K. Moderate treadmill exercise rescues anxiety and depression-like behavior and memory impairment in a posttraumatic stress model. *Research Poster Day. Department of Pharmacological and Pharmaceutical Sciences, College of Pharmacy, University of Houston, Houston, TX (10th October 2013).*

51. Ansari A, Patki G and **Salim S**. Biochemical changes in the brain in response to social stress and treadmill exercise in rats. Research Poster Day. Department of Pharmacological and Pharmaceutical Sciences, College of Pharmacy, University of Houston, Houston, TX (10th October 2013).
52. **Salim S**, Chugh G, Dao A, Asghar M and Alkadhi K. Salt-sensitivity is associated with anxiety (2012). Society of Neuroscience, New Orleans, LA (13-17 October).
53. Samina Salim, Gaurav Chugh, An Dao, Mohammad Asghar and Karim Alkadhi. Salt sensitivity is associated with anxiety. Society for Neuroscience meeting, 2012.
54. **Samina Salim**, Farida Allam, Gaurav Chugh, An Dao, Mohammad Asghar, Manish Taneja, Kaustuv Saha. Protective Effect of Grape Powder On Anxiety-Like Behavior, Blood Pressure and Learning and Memory. , Experimental Biology, San Diego, 2012.
55. **Samina Salim**, Manish Taneja, Gaurav Chugh, Kaustuv Saha. Novel role of RGS2 in anxiety. Poster presentation, RGS Colloquium, Satellite symposium, Experimental Biology, Washington DC, April 13-14, 2011
56. **Samina Salim**, Gaurav Chugh, Manish Taneja, Kaustuv Saha and Mohammad Asghar. Role of oxidative stress in anxiety-like behavior, blood pressure and insulin resistance in rats. Society for Neuroscience meeting, San Diego, CA, November 2010.
57. Sarraj, N., Taneja M., Chugh C. Hovatta I and **Salim, S**. Moderate Treadmill Exercise Prevents Oxidative Stress-Induced Anxiety in Rats. Travel award to present poster at the "Posters on the Hill", Council for Undergraduate Research (CUR). Washington DC. April 13, 2010. Travel Award.
58. **Samina Salim**, Manish Taneja, Gaurav Chugh, Kaustuv Saha, Nada Sarraj, Craig Vollert, Marivi Tejada-Simon, Douglas C Eikenburg and Iris Hovatta. A potential protective role of RGS2 in oxidative stress mediated anxious behavior in rats. Experimental Biology New Orleans, April 17-22, 2009
59. **Samina Salim**, Nada Sarraj, M. F Lokhandwala, Manish Taneja, Gaurav Chugh, Kasutuv Saha, Douglas C Eikenburg and Iris Hovatta. Treadmill exercise reduces oxidative stress-mediated anxious behavior of rats. Society for Neuroscience meeting, Chicago, IL, October, 17-20, 2009
60. Douglas C Eikenburg, **Samina Salim**, Manish Taneja. An SNP in the Human GRK3 Gene Promoter-Luciferase Construct Eliminates Hormone-Induced Activation of GRK3 Transcription. Experimental Biology, New Orleans, April 17-22, 2009
61. **Samina Salim**, Manish Taneja, Gaurav Chugh, Kaustuv Saha, Nada Sarraj, Craig Vollert, MariVi Tejada-Simon, Douglas C Eikenburg and Iris Hoavatta. A potential protective role of RGS2 in oxidative stress mediated anxious behavior in rats. Experimental Biology, April 17-22, New Orleans, 2009
62. **Samina Salim**, Douglas C. Eikenburg, Carmen W. Dessauer and Brian Hite. Oxidative stress increases RGS2 expression which suppresses increased cAMP accumulation in response to CRF activation in CATH.a cells. Experimental Biology, San Deigo, CA April 5-9th, 2008.
63. Douglas C. Eikenburg, **Samina Salim**, Aarti Gokhale and Manish Taneja. Chronic Epinephrine treatment fails to down-regulate the Del (301-303) alpha2B-adrenergic receptor. Experimental Biology, San Deigo, CA April 5-9th, 2008.
64. Manish Taneja, **Samina Salim**, H. Kevin Happe, Frederick Petty, David B. Bylund and Douglas C. Eikenburg. Changes in GRK3/2 levels in brain regions of learned Helpless and Non-Helpless rats. Experimental Biology, San Deigo, CA April 5-9th, 2008.

65. **Samina Salim**, Kelly M Standifer and Douglas C Eikenburg. Simultaneous activation of alpha₂ and beta₂-adrenergic receptor by EPI is required for the ERK1/2 dependent increase in GRK3 transcription in neuronal cells. Experimental Biology, Washington DC April 28-May 3, 2007
66. Douglas C Eikenburg, **Samina Salim**, Brian Hite and Munder Zagar. CRF treatment results in ERK1/2 mediated increase in GRK3 expression in CATHa cells. Experimental Biology, Washington DC April 28-May 3, 2007
67. Douglas C Eikenburg, **Samina Salim**, Aarti Gokhale and Manish Taneja. Del (301-303) alpha_{2B}-AR, does not down-regulate in response to chronic epinephrine treatment. "G-Protein Mediated Signaling Networks", June 10-15, 2007, University of New England
68. **Samina Salim** and Douglas C. Eikenburg. Regulation of GRK3 expression via ERK 1/2-Mediated Transcription and Hsp90-Mediated Protein Stabilization. Experimental Biology, Abst. # 6661, 2006. San Francisco LA.
69. Eikenburg, D.C and **Samina Salim**. Regulation of GRK3 expression via ERK 1/2-Mediated Transcription and Hsp90-Mediated Protein Stabilization. G Protein-Coupled Receptors: Evolving Concepts and New Techniques, February 12 - 17, 2006 Keystone Symposium, CO.
70. **Samina Salim**, Katherine Graves, Srikumar Sinnarajah, John H. Kehrl and Carmen W. Dessauer. Direct interaction of RGS2 and the cytoplasmic domains of type V Adenylyl cyclase. Research Day (Poster Presentation) 2001, University of Texas Health Science center at Houston (UTHSC), TX.
71. **Samina Salim**, Katherine Graves, Srikumar Sinnarajah, John H. Kehrl and Carmen W. Dessauer. Direct interaction of RGS2 and the cytoplasmic domains of type V Adenylyl cyclase. Biochemistry and Molecular Biology Retreat. (Poster), 2002 Camp Allen, TX.
72. Identification of RGS2 and type V Adenylyl Cyclase interaction sites. Biochemistry and Molecular Biology Retreat. **(Awarded best oral presentation)** Feb. 2003, Camp Allen, TX.
73. **Samina Salim**, Srikumar Sinnarajah, John H. Kehrl and Carmen W. Dessauer. Identification of RGS2 and type V Adenylyl Cyclase interaction sites. Second messengers and protein phosphorylation (Gordon Research conference). June 8-14, 2003, New Hampshire.
74. **Samina Salim**, Md. Asghar, S. Jalal, F. Khan & ANK Yusufi. Effect of high carbohydrate diet & high protein diet on phosphate transport in brush border membrane vesicles of rat renal proximal tubules. *American Society of Nephrology Meeting (Abs)*, 1999.
75. Md. Asghar, S. Jalal, F. Khan, **Samina Salim**, ANK. Yusufi. Postnatal maturation of transport functions of renal proximal tubule during development and growth. *FASEB Meeting (Abs)*, 1996.
76. F. Khan, Md. Asghar, S. Jalal, **Samina Salim**, ANK. Yusufi. Maturation of certain metabolic and BBM enzymes in superficial, juxtamedullary cortex and medulla during development and growth. *FASEB Meeting (Abs)*, 1996.
77. Jalal, Md. Asghar, F. Khan, **Samina Salim**, ANK. Yusufi. Properties of phosphate transport in renal proximal tubules during ischemia and reflow. *S. FASEB Meeting (Abs)*, 1996.
78. **Samina Salim**, Md. Asghar, S. Jalal, F. Khan, ANK. Yusufi. Effect of fasting on phosphate transport in brush border membrane of renal proximal tubules. *FASEB Meeting (Abs)*, 1994, USA.
79. Md. Asghar, S. Jalal, F. Khan, **Samina Salim**, ANK. Yusufi. Enzymes of carbohydrate metabolism in renal cortex & medulla & liver during postnatal development & growth. *FASEB Meeting (Abs)*, 1994.

80. S.J.Khudmiri, Md. Asghar, F. Khan, **Samina Salim**, ANK. Yusufi. Effect of renal ischemia on phosphate transport in brush border membrane of renal proximal tubules. *FASEB Meeting (Abs)*, 1994.

Grant Review Service:

- 2008 American Heart Association (AHA), Unified Peer Review
2009 American Heart Association (AHA), EMIV committee
2010 American Heart Association (AHA), Brain 1 & 3 committee
2010 University of Houston, Grants to Enhance and Advance Research (GEAR)
2011 National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP)
2011 American Heart Association (AHA), Brain 1 & 3 committee, 2011
2012 American Heart Association (AHA)
2012 AHA Peer Review Meeting, Western States Innovative research Award
2013 Ad hoc member, NIH, Pathophysiological Basis of Mental disorders and Addictions Study Section (PMDA) Roster February 7-8
2013 Ad hoc member, NIH, PMDA Roster June 6-7
2013 Ad hoc member, NIH, PMDA Roster October 10-11
2013 Ad hoc member, NIH, ZRG1 PMDA-J (02) October 11
2014 Ad hoc member, NIH, PMDA Roster, February 6-7
2014 Ad hoc member, NIH, PMDA Roster, June 2-3
2014 Scientific Research Support Fund (SRSF), Ministry of Jordan, Amman, Jordan, March
2015 The Netherlands Organisation for Health Research and Development Grants
2015 National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP), January
2015 Invited Reviewer, Oklahoma Center for the Advancement of Science and Technology (OCAST), May 17-18, Tulsa, Oklahoma City, OK
2015 Ad hoc member, NIH, Neural Basis of Psychopathology, Addictions and Sleep Disorders (NPAS), May 28-29
2015 Ad hoc member, NIH, PMDA Roster October 01-02
2015 Ad hoc member, NIH, Neural Basis of Psychopathology, Addictions and Sleep Disorders (NPAS), October 08-09
2015 Invited reviewer, General Direction for Scientific Research and Health Innovation Grants, Italian Ministry of Health, Italy, May, 2015
2016 National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP), January 11th, 14th
2016 Ad hoc member, NIH, PMDA Roster June 2-3rd.
2016 Invited reviewer, American Association of Colleges of Pharmacy (AACP) New Investigator Award
2017 Ad hoc member, NIH, NPAS Roster Feb 2-3rd
2017 Ad hoc member, NIH, NPAS Roster October 5-6th.
2017 Invited reviewer, General Direction for Scientific Research and Health Innovation Grants, Italian Ministry of Health, Italy
2017 National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP)
2018 Ad hoc member, NIH, NPAS Roster Feb 15-16th
2019 Ad hoc member, NIH, Biobehavioral Mechanisms of Emotions, Stress, and Health (MESH), Feb 19-20
2019 Invited Reviewer, Oklahoma Center for the Advancement of Science and Technology (OCAST), May 19-20, Tulsa, Oklahoma City, OK
2019 Invited Reviewer, European Research Council
2019 Invited reviewer, AACP New Investigator Award
2020 Ad hoc member, MESH, NIH, April 1st

- 2020 National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP)
2020 Invited reviewer, General Direction for Scientific Research and Health Innovation Grants, Italian Ministry of Health, Italy
2020 Ad hoc member, F01A fellowship review roster, NIH
2021 Ad hoc member, F01A fellowship review roster, NIH

REVIEWER FOR THE FOLLOWING JOURNALS:

1. Biological Psychiatry
2. Physiology & Behavior
3. Brain Research Bulletin
4. European Neuropsychopharmacology
5. Behavioural Brain Research
6. Psychoneuroendocrinology
7. Bulletin of Environmental Contamination and Toxicology
8. Journal of Biomedicine and Biotechnology
9. Clinical and Experimental Hypertension
10. BMC Biochemistry
11. Journal of Toxicology
12. Advances in Pharmacological Sciences
13. Neuropharmacology
14. British Journal of Nutrition
15. Psychiatry Research
16. Hippocampus
17. PLOS ONE
18. Medicine & Science in Sports & Exercise
19. Current Neuropharmacology
20. European Journal of Pharmacology
21. Scientific Reports, NPG
22. Neuroscience Letters
23. Neuroscience
24. Psychiatry Research
25. Journal of Neuroinflammation
26. Phytomedicine
27. Air Quality, Atmosphere and Health
28. Brain, Behavior and Immunity
29. Progress in Neuropsychopharmacology & Biological Psychiatry
30. Journal of Affective Disorders
31. Psychopharmacology
32. Molecular Psychiatry
33. Neuropharmacology
34. Neurobiology of Stress
35. Environmental Toxicology and Pharmacology
36. Frontiers in Neuroscience
37. Frontiers in Psychiatry
38. Free Radical Biology and Medicine
39. Mitochondrion

EDITORIAL BOARD:

- Bulletin of Environmental Contamination and Toxicology
- Physiology and Behavior, Elsevier
- Scientific Reports, Nature Publishing Group

LECTURES:

1. Invited Speaker, UH-HEART workshop on scientific writing, 06/15/21, University of Houston, TX
2. Invited Speaker, Mental Health Research Consortium Symposium, 09/16/2020, Houston, TX
3. Invited Speaker, NeuroTalk, Osaka, Japan, May 12-14th, 2019.
4. Speaker and session organizer, "A Place For Us", Empower Women Conference, University of Houston, March 1st, 2019
5. Invited Speaker, Session Chair. International Conference on future diagnostic therapeutic and theranostics modalities, Interdisciplinary Biotechnology Unit, Aligarh Muslim University, India, Dec 29-31, 2018
6. Panel Chair and Session Organizer, "Everyday Leadership", Empower Women Conference, University of Houston, March 2nd, 2018
7. Invited Speaker, International Stress and Behavior Society (ISBS) Meeting, May 16th, 2017, St. Petersburg, Russia.
8. Invited Speaker, Jordan University of Science and Technology (JUST), August 2-3, 2017, Irbid, Jordan
9. Selected speaker, Assistant Professor Excellence Speaker Series (Apex) organized by University of Houston faculty senate, April 27, 2016.
10. Symposium speaker and session chair, Session title: "Stress and Behavior," Budapest, Hungary, June 7-9, 2016, International Society of Behavioral Neuroscience (IBNS) annual meeting.
11. Invited speaker, 4th Global Experts Meeting on Neuropharmacology September 15-17, 2016, San Antonio, USA
12. Invited speaker, Association of Scientists of Indian Origin (ASIO), Orlando, Florida, January, 2015
13. 1st Global Conference of Biological Psychiatry, New Delhi, India. Why Persistent Psychological Stress Contributes to Anxiety, Depression and Cognitive Impairment? (September, 2014).
14. 1st Annual Graduate Research and Scholarship Projects (GRaSP) Day prep talk, University of Houston, "IT IS NOT WHAT YOU SAY, IT IS HOW YOU SAY IT", Facilitated by Samina Salim, 09/12/2014,
15. National Institute of Environmental Health Sciences (NIEHS) of the National Institutes of Health, UTMB, Galveston, TX 10/30/13
16. Biology Colloquium, Department of Biology UH Downtown, TX, 02-15-2013
17. Department of Biology and Biochemistry, University of Houston, 03-18-2013
18. Basic Medical Sciences College of Osteopathic Medicine of the Pacific Western University of Health Sciences, Pomona, California, 10-06-2011
19. Invited speaker, American College of Neuropsychopharmacology (ACNP) annual meeting special panel, "Oxidative Stress in Psychiatric Disorders: Implications for Pathophysiology and Pharmacotherapy", Miami, FL, Dec 5-9, 2010
20. Department of Pharmacology, College of Pharmacy, University of Toledo, Ohio, June 16th, 2009
21. Department of Pharmaceutical Sciences, Western University of Health Sciences, Pomona, California, April 16th, 2009
22. Department of Biomedical Sciences, Marquette University, Milwaukee, Wisconsin. January 22nd, 2008
23. College of Pharmacy, University of Houston, TX. Sept 11, 2007
24. Department of Integrative Biology and Pharmacology, UTHSC, Houston, TX. Oct, 5th 2007.

25. "Emerging Investigators Symposium", sponsored by Houston Center for Clinical and Translational Science, Houston, TX, May 21, 2007.
26. Department of Integrative Biology and Pharmacology, UTHSC, Houston, TX. 04-08-02, 02-11-03

RESEARCH RECOGNITION:

- 2007 Special citation of the publication "**Salim, S.** and Eikenburg, DC. J. Phamacol. Exptl. Ther. 320:1106-1112", featured in the Nascent Transcripts Emerging concepts from the recent literature), Molecular Interventions, Vol 7(1)
- 2009 Special citation on SFN publication, "Why exercise makes you less anxious?", New York Times, November, 18, 2009
- 2010 Research featured in Katy Newspaper, 04/15/2010
- 2010 Research featured in University of Houston newspaper, The Daily Cougar, 04/02/2010
- 2010 UH media release covering national recognition, April 2010
- 2013 Publication entitled, "*Grape Powder Supplementation Prevents Oxidative Stress-Induced Anxiety-Like Behavior, Memory Impairment and High Blood Pressure in Rats*" selected by The American Society for Nutrition (ASN) for video JN video pubcast
- 2015 Featured in "Pharmacologist", a newsletter of the ASPET, December issue.
- 2021 Featured, Author Q&A, Elsevier Inc. 01/01/2021

<https://www.journals.elsevier.com/current-research-in-neurobiology/author-interviews/author-qa-understanding-stress-insights-from-rodent-models>

HONORS:

- 1993 Aligarh Muslim University fellowship for M.Phil, India
- 1994 Aligarh Muslim University fellowship for Ph.D, India
- 1998 Wenner Gren Foundation Fellowship, Stockholm, Sweden
- 2003 Best oral presentation in Biochemistry and Molecular Biology Retreat. Camp Allen, TX, USA.
- 2004 Judge, National Student Research Forum, University of Texas Medical Branch, Galveston.
- 2007 Travel award, RGS Protein Colloquium, Experimental Biology, San Diego, CA.
- 2008 Judge, Behavioral Neuropharmacology Poster Session, Experimental Biology, San Diego, CA.
- 2010 Sarraj, N., Taneja M., Chugh C. Hovatta I and **Salim, S.** Treadmill Exercise Prevents Oxidative Stress-Induced Anxiety-Like Behavior in Rats. Selected for "Posters on the Hill", National Council for Undergraduate Research (CUR), Capitol Hill, Washington D.C. April 13, 2010. Mentor and mentee Travel Award
- 2010 Judge, Behavioral Neuropharmacology Poster Session, Experimental Biology, New Orleans, LA.
- 2010 Invited attendee, American College of Neuropsychopharmacology (ACNP) annual meeting, Miami, Florida.
- 2014 Invited Attendee, ACNP, Phoenix, Arizona.
- 2015 Invited Attendee, ACNP, Hollywood, Florida.
- 2015 Early Career Faculty Award for Mentoring Undergraduate Research, University of Houston, TX
- 2015 Excellence in Research Award, College of Pharmacy, University of Houston, TX
- 2015 Session chair, Association of Scientists of Indian Origin (ASIO) annual meeting, Orlando, Florida, January 19-20.
- 2016 Symposium session chair, Session title: "Stress and Behavior," Budapest, Hungary, June 7-9, International Society of Behavioral Neuroscience (IBNS).

2016	Council Member, ASIOA
2017	Session Chair, International Stress and Behavior Society (ISBS) Meeting, May 16th, 2017, St. Petersburg, Russia.
2017	Table leader, American College of Neuropsychopharmacology (ACNP) Women Luncheon, December 2017.
2017	Provost's Travel Award, University of Houston
2017	Induction Phi Beta Delta, Honor Society of International Scholars
2017	Excellence in Teaching Award, College of Pharmacy, University of Houston, TX
2019	Member, 2019-2020 University of Houston Cougar Chairs Leadership Academy (CCLA)
2019	Provost's Travel Award, University of Houston
2019	Metro Award for Asian Pacific American Heritage Month Celebration
2019	Rho Chi Teaching Excellence Award, College of Pharmacy, University of Houston
2019	Inducted, Mading Society, College of Pharmacy, University of Houston
2020-23	Inducted, Fulbright Specialist Roster
2021	Advisor-in-Residence, LEdBy Foundation (set up with seed funding from the Social Innovation and Change Initiative at the Harvard Kennedy School, Harvard University).

PROFESSIONAL AFFILIATIONS:

- Member, Society For Neuroscience (SFN), 2007-present
- Member, American Society For Pharmacology and Experimental Therapeutics (ASPET), 2004-present
- Member, Association of Scientists of Indian Origin (ASIOA), 2007-present
- Member, International Society of Behavioral Neuroscience (IBNS), 2015-present
- Member, Phi Beta Delta, Honor Society for International Scholars
- Member, Mental Health research Consortium Steering Committee, Houston, Texas

TEACHING AND SERVICE:

Pharmacy Professional Program:

- Organ System Life Sciences II PHAR4421- Sensory, anatomy and physiology, somatic sensations, visual system, mechanism of hearing, central nervous system control of motor activity, higher brain functions and aging, limbic system and the hypothalamus.
- Cellular Life Sciences I PHAR4400 - Hemostasis and anticoagulants
- Cellular Life Sciences II PHAR4301- Signal transduction in B and T-cell receptors
- Pharmacology II PHAR5403- Therapeutics for anxiety disorders and sleep, eating disorders, ADHD.
- Physiology 1- Course coordinator. Sensory, anatomy and physiology, somatic sensations, visual system, mechanism of hearing, central nervous system control of motor activity, higher brain functions and aging, limbic system and the hypothalamus.
- Foundations in Medicinal Chemistry, Microbiology and Receptor (FIMMRA) PHAR4275
- Integrated Psychiatry Module PHAR5368

Graduate Program:

- Cellular Pharmacology PCOL7350- Recent advances in adenylyl cyclases, RGS proteins and G-proteins (2004-2015).
- Advanced Pharmacology II PCOL 6370- Autonomic nervous system mechanisms
- Advanced Pharmacology I- Major affective disorders
- Neuropharmacology- Animal models of anxiety, depression, PTSD and empathy. Trauma witness behaviors in rodents. Rodent models of social defeat, single prolonged stress, trauma witness, aggression and aging.

Scientific writing (PCOL 7370)- Career Goals/Training Plan, Respective Contrib./Biosketch (2018-2020)

Service activities:

International

- 2021 International Behavioral Neuroscience Society Annual Meeting, Poster judge, 06/01/21
- Advisor-in-Residence, Led By Foundation (set up with seed funding from the Social Innovation and Change Initiative at the Harvard Kennedy School, Harvard University).
- SSGSA panelist, selection of international graduate student scholarships to US institutions
- 2020 Ph.D Thesis Examiner, Aligarh Muslim University, Aligarh, India
- 2019-present Expert Panelist, Dept. of Pharmacy, COMSATS University, Islamabad, Pakistan
- Conducted workshop on Scientific Writing, Jordan University of Science and Technology (JUST), August 2, 2017, Irbid, Jordan

National

- 2013 External Reviewer, Promotion & Tenure dossier for Associate Professor, College of Pharmacy, Western University, Pomona, CA
- 2014 External Reviewer, Promotion & Tenure dossier for Associate Professor, College of Pharmacy, Western University, Pomona, CA
- 2014 Reviewer, Career Development Travel Awards, Anxiety and Depression Association of America, (ADAA)
- 2014 Reviewer, "workshop, symposia, ignite symposia and roundtable submissions", ADAA
- 2015 Reviewer, Poster submissions, ADAA.
- 2015 Reviewer, travel award submissions, ADAA.
- 2016 Member, Awards Committee, ASIOA
- 2017 Council member, ASIOA
- 2018 Member, Awards Committee, ASIOA
- 2018 Council member, ASIOA
- 2020-21 Scientific advisor-Utah NRMN Grant-Writing Coaching Groups Study

University Level Committees:

- University Teaching Excellence Award committee, 2018-2021
- University Student Affairs Sub-Committee, UH Faculty Senate, 2018
- University of Houston Hearing Board, September 2019-August 2020
- University Learning Abroad Scholarship Selection Committee, September 2019-August 2021
- University Cullen travel award committee, 2017-2019
- University of Houston Special Hearing Tribunal Member, 2019-present

College Level Committees

- Member: College of Pharmacy Assessment committee, 2014
- Member: College of Pharmacy admissions and progressions committee, 2015-2017
- Elected Member, Faculty Senate, University of Houston, 2017-2019
- **Chair**, Graduate Studies Committee, College of Pharmacy, University of Houston, 2017-2019
- Member, Graduate Professional Studies Committee (GPSC), University of Houston, 2017-present
- Reviewer: College of Pharmacy Research Excellence Award, 2017, 2018
- Faculty mentor: Student College of Clinical Pharmacy (SCCP), 2018, 2021
- College of Pharmacy Curriculum Committee, 2020-2023

- PI: Provost's Multicultural Success Initiative Grant, 2020

Dept. Level Committees

- Member: Departmental Research Symposium Committee, 2013-2015
- Member: Search committee for Assistant Professor in Immunology, 2014-15
- Member: Search committee for Assistant Professor in Cardiovascular Pharmacology, 2016
- Member, Department Graduate Education Committee (GEC), 2017-2019
- Department facebook page administrator and moderator
- Founding Editor, PPS Chronicle (an yearly graduate student newsletter), 2017-2020
- Member: PPS Dept. Chair Search Committee, 2018
- **Chair**, Graduate Education Committee, PPS (2018-2019)
- **Asghar Memorial Undergraduate Student Research Scholarship (AMUSRF)- Established AMUSRF endowment for dispersing perpetual undergraduate research scholarships, July, 2019.**
- Chair, Symposium Committee, 2019-2020
- Assistant Dept. Chair, PPS Dept, Nov 2019- June 2020
- PPS Dept. Faculty Evaluation Committee, 2020-2021

MENTORING AND ADVISING:

Undergraduate Students:

1. Brian Hite (co-mentor): 2007, Summer Undergraduate Research Fellowship Project co-advisor.
2. Nada Sarraj (mentor): 2009, Summer Undergraduate Research Fellowship Project advisor, 2009.
3. Craig Vollert (mentor): 2008-2011, Summer Undergraduate Research Fellowship Project and honors thesis advisor, 2010-11.
4. Anthony Vu (mentor): 2010, Provosts Undergraduate Research Scholarship (PURS), University of Houston.
5. Farida Allam (mentor): 2011-present, Summer Undergraduate Research Fellowship Project, 2011-12.
6. Faizan Jafri (mentor): 2012
7. Amber Ansari (mentor): 2013
8. Mathew Kelly (mentor): 2014
9. Lumeng Li (mentor): 2014, University of Houston PURS award.
10. Phoebe Dantoin (Honors thesis mentor): 2015-2016
11. Phoebe Dantoin (mentor): 2016, University of Houston PURS award.
12. Eisha Khan, (mentor): (2015-2016)
13. Safiyya Zaidi (mentor): 2016-2018
14. Hassan Monir (mentor): June-August, 2017
15. Hiba Al-Shiakhly (mentor): 2017
16. Shaurya Aggarwal (mentor): May-July 2019
17. Suha Quadri (mentor): June-August 2019
18. Zain Akbar (mentor): June-present, 2020
19. Ghaliya Alrousan (mentor): July-present, 2020
20. Faculty Advisor: UH sorority Muslimah For Change (M4C), 2020-present
21. Farzana Ahmad, UHV Independent Study Advisor, Spring-Fall 2021(PSYCH 4398)

High School Students:

1. Christopher Mowrey (June-August 2012)
2. Faculty host, College of Pharmacy Camp for high school students, June 26-28, 2013
3. Saman Asghar (June-August, 2015)
4. Arham Hassan (June-August, 2021)

5. Sami Ahmad (July-August, 2021)

Rotation Students: (Graduate students)

1. Mohammad Saleem
2. Naimesh Solanki
3. Ankita Salvi
4. Hesong Lui
5. Camila Kochi

Ph.D. Students:

1. Naimesh Solanki (graduated 2016)
2. Ankita Salvi (graduated 2017)
3. Hesong Lui (graduated 2017)
4. Fatin Atrooz (graduated 2018)
5. Camila Kochi (graduated 2020)

Ph.D. Thesis Committees:

1. Trinh Tran, 2010, Advisor: Prof. Karim Alkadhi
2. Quaisar Ali, April 25, 2011, Advisor: Prof. Tahir Hussain
3. Munder Zagaar, August 18, 2011, Advisor: Prof. Karim Alkadhi
4. Abeer Rababah, Ph.D. Candidate, Advisor: Dr. Bradley McConnell
5. An Dao, Ph.D. Candidate, Advisor: Prof. Karim Alkadhi
6. Sourashish Nag, Ph.D. Candidate, Advisor: Prof. Tahir Hussain
7. Craig C Vollert, Ph.D. Candidate, Advisor: Dr. Jason Eriksen
8. Louis Martinez, Ph.D. Candidate, Advisor: Dr. Maria-Victoria Tejada Simon
9. Santosh Suryavanshi, Ph.D. Candidate, Advisor: Dr. Bradley McConnell
10. Tasha Wolmack, Ph.D. Candidate, Advisor: Dr. Jason Eriksen
11. Yaxi, Li, Ph.D. Candidate, advisor; Dr. Tianfu Wu, Dept. Biomedical Engineering, NSM, UH

Pharm.D. Students:

1. Jag Mathuri, 2013
2. Brittany Jannise, 2013
3. Isam Alkadhi, 2014
4. Natasha Thalicherry, 2014
5. Julina Joseph, 2018
6. Sylvia Stefanos, 2019
7. Sarah Zeidat, 2021
8. Mackenzie Luke, 2021
9. Sukaina Makzoumi, 2021

Pharm.D. Student Exchange Program Host: (International Pharmaceutical Students Association)

1. Svenja Laarhuis (Denmark), September, 2013
2. Omneya Elmorshedy (Egypt), September 2013
3. Joana (Portugal), August, 2015
4. Tsai Tsai (Taiwan), August, 2015

Post-Doctoral Fellows:

- Dr. Gaurav Patki, 2012-2015
Dr. Fatin Atrooz, 2019-present

Research Technicians:

1. Ritu Bohat, 2012-2013
2. Farida Allam, 2012-2013
3. Isam Alkadhi, 2014
4. Fatin Atrooz, 2014
5. Eisha Khan, 2015

RESEARCH SUPPORT:

ONGOING:

1. Agency: National Institute on Minority Health and Health Disparities (NIMHD)-Research Centers in Minority Institutions (RCMI) Pilot Grant NIMHD-U54MD015946

Project Title: "Examining Health Disparities and Promoting Breast Cancer Awareness and Prevention in Syrian Refugee Women in the United States"

Status: May 15, 2021-May 15, 2022

Role: **Principal Investigator**

2. Agency: Bridge Funds, Division of Research (DOR), University of Houston

Project Title: "Behavioral and Biochemical Impact of Stress and Trauma"

Status: Sept. 1, 2020-June 1, 2021

Role: **Principal Investigator**

3. Agency: Grant to Enhance and Advance Research on Racism (GEAR-R), University of Houston

Project Title: "Understanding Impact of Racism on Psychological and Physical Health in Syrian Refugee Children Re-Settled in Houston, Texas"

Status: Sept 15, 2020-February 15, 2022

Role: **Principal Investigator**

4. Agency: Action Research In Communities Award, University of Houston

Project Title: "Understanding the Impact of Enrichment Activities in Syrian Refugee Children Re-Settled in Houston, Texas"

Status: September, 2020-2021

Role: **Faculty Mentor**

5. Agency: Houston Global Health Collaborative Student Research and Service Grant

Project title: Assessing awareness, access, and acceptance of COVID-19 vaccinations in the Middle Eastern and North African (MENA) community of the Greater Houston area

Status: May-August, 2021

Student PI: Sarah Zeidat, P3 student

Role: **Faculty PI/mentor**

6. Agency: Provost's 50-in-5 Award, University of Houston

Project Title: "Psychological and Neurobehavioral Impact of Early Life Trauma in Syrian Refugee Children"

Status: November, 2019-2021

Role: **Principal Investigator**

7. Agency: Small Grants Program, University of Houston

Project Title: "Sex-Based Neurobehavioral Response to Stress"

Status: November, 2020-2021

Role: **Principal Investigator**

Other Grants:

7. Provost's Multicultural Success Initiative
Project Title: "PPS Graduate Student Retreat"
Status: Awarded 2020
Role: **Principal Investigator**

PENDING:

1. Agency: Pillars Fund Program
Project Title: "Addressing Physical and Mental Well-Being of Muslim Refugee Women Resettled In Houston, Texas"
Status: Pending (submitted 04/01/2021)
Role: **Principal Investigator**

2. Agency: John Templeton Foundation
Project Title: "The Muslim Health incubator Lab: A Pilot Experiment"
Status: Pending (submitted 04/15/2021)
Role: **Principal Investigator**

COMPLETED:

1. Agency: NIH, Renewal 2R15MH093918-02
Project Title: "Oxidative Stress-A Potential Recipe for Anxiety and cognitive impairment"
Status: 2015-2018
Role: **Principal Investigator**

2. Agency: NIH, R15MH093918-01A1
Project Title: "Oxidative Stress-A Potential Recipe for Anxiety-like behavior"
Status: 2012-2015
Role: **Principal Investigator**

3. Agency: Grant to Advance and Enhance Research (GEAR), University of Houston
Project Title: "Mitochondrial Oxidative Stress: Insights From an Animal Model of Social Stress"
Status: June 1, 2019-August 31, 2020
Role: **Principal Investigator**

4. Agency: University of Houston
Project Title: "PPS Behavior Core"
Status: Awarded 2014
Role: **Co-Principal Investigator** (PI: Eikenburg)

5. Agency: Grant to Advance and Enhance Research (GEAR), University of Houston
Project Title: "Neuronal RGS2 Expression: Mechanisms and Implications In Oxidative Stress and Anxiety"
Role: **Principal Investigator**

6. Agency: American Heart Association, Texas Affiliate Grant No.: 0555032Y
Project Title: Regulation of Alpha2-Adrenoreceptor Down-Regulation by GRK3
Award Date: July 1, 2005 to June 30, 2007

Role: **Co-Investigator** (PI: Eikenburg)

7. Agency: NARSAD (National Alliance For Research on Schizophrenia and Depression) Grant No: 93041
Project Title: Regulation of GRK3 Expression, A Critical Modulator of Signaling in Bipolar Disorder

Award Date: Sept. 2006-2008

Role: **Co-Investigator** (PI: Eikenburg)

Community Engagement

- Founding President, AligCare, a 501(C) (3) Non-Profit Organization (Registered, August 2018). A cancer foundation serving the underprivileged cancer patients and their families in India.
- Rising Beyond The Ceiling: Global Inspirations. *Inspiringindianmuslimwomen.org*. [Recognized among 100 Indian Muslim women]
- Invited Speaker, TX-22 Democratic Congressional candidate Eugene Howard's Community Event (06/06/21).
- Invited Speaker, Houston City Council Member Letitia Plummer's Community Event (04/19/21).
- Invited Speaker, Democratic Congressional Primary, for Chicago, IL (03/28/2021).
- Invited Speaker, Seven Lakes High School, Katy, TX. (03/04/2021).
- Judge, Essay and Art Competition for South Asian Students, Grade 6-12, , Hindus For Human Rights.org (March, 2021)
- Invited Speaker, Administrative Professionals Meeting, 02/10/2021, University of Houston, TX
- Moderator, Webinar, Indian American Muslim Council, Indian Farm Laws Crisis, 12/27/20
- Invited Speaker, National Science Honor Society, Village High School, 12/08/2020, Houston, TX
- Moderator, Webinar, Congressional District 22 Election Republican Candidate Q&A, 09/25/20
- Invited Speaker, FB County Sherrif (now Congressman) Troy Nehl's office event, 09/15/20
- Invited Speaker, Indian American Muslim Council, Democracy Event, 01/18/2020, Houston, TX
- Invited Speaker, Women's March, January 25th, 2020, City Hall, Houston, TX
- Panelist, Peace and Civil Liberties, Code Blue Radio, 106.1 FM, January 11th, 2020, Houston, TX
- National College Scholarship Committee, Islamic Society of North America (ISNA), 2020
- Panelist, Peace and Justice, Progressive Forum, December, 18, 2019, Radio KPFT 95.7FM.
- Keynote Speaker, Asian Pacific American Heritage Month, Metro Houston, May 30th, 2019.
- Panelist and speaker, Indian Muslim Relief and Charities, Social Justice Event, August 30, 2019.
- Panelist, Progressive Forum, September, 12, 2019, Radio KPFT 95.7FM.
- Invited Speaker, Alliance For Justice, and Accountability, September, 22, 2019, Houston, TX
- Invited Speaker, Vigil For Kashmir, October, 27th, 2019, Houston, TX
- Panelist, Networking For American Muslim Professionals, November 17, 2019, Houston, TX
- Invited Speaker, Annual function, Aligarh Alumni Association of Texas, Houston, TX, October, 2019
- Invited Speaker, American Federation of Muslims of Indian Origin, October, 2019, Houston, TX
- Invited Speaker, Annual convention, Federation of the Aligarh Alumni Association, Houston, TX, August, 2018
- Invited Speaker, Networking For American Muslim Professionals, November 16, 2018

Selected Published Op-Eds and Books (General Interest) -

1. Featured Author's Q&A, Elseiver Inc.
2. "Pandemic Surge: When Leaders Fail, Citizens Rise", *Author: Samina Salim*. <http://clarionindia.net>, May 3, 2021, New Delhi, India
3. 'Connected By Faith', *Author: Samina Salim*. Islamic Horizons, ISNA publications, January 2021

4. Reflections 2020”, December 30, 2020, *Author: Samina Salim*. Countercurrents.org
5. “What We See, We Emulate”, October 26th, 2020, *Author: Samina Salim*. The Daily Cougar, <http://thedailycougar.com>, University of Houston, Houston, TX
6. “The Price of Freedom of Expression””, *Author: Samina Salim*. <http://clarionindia.net>, Nov. 5, 2020, New Delhi, India
7. ‘Re-defining Indo-US Relations””, *Author: Samina Salim*. <http://clarionindia.net>, Sept. 25, 2020, New Delhi, India
8. “Times Square: Who Organized a Celebration of Hate In the Middle of a Pandemic”, *Author: Samina Salim*. Clarionindia.net, August 8, 2020, New Delhi, India
9. “Hurt, Hate and Healing”, July 17th, 2020, *Author: Samina Salim*. The Daily Cougar, University of Houston, Houston, TX
10. “Racial Justice”, *Author: Samina Salim*, Houston Chronicle, June 25, 2020
11. “Craving Connections”, June 2nd, 2020, *Author: Samina Salim*. The Daily Cougar, University of Houston, Houston, TX
12. ‘Chilly Winds Blowing From Home Spoil the Party Overseas”. *Author: Samina Salim*. Clarionindia.net (Caravan Daily), May 27, 2020, New Delhi, India
13. “Corona Crisis Lays Bare Chinks in Sociopolitical Fabric In India”. *Author: Samina Salim*. Clarionindia.net (Caravan Daily), April 20, 2020, New Delhi, India
14. “The Politics of COVID-19 Points to Ominous Portents For Country” *Author: Samina Salim*. Clarionindia.net (Caravan Daily), April 9, 2020, New Delhi, India
15. ‘Delhi violence: The Gory Outcome of Hate Against Fellow Citizens”, *Author: Samina Salim*. Clarionindia.net (Caravan Daily), March 13, 2020, New Delhi, India
16. “New Delhi Violence in the Name of CAA and More” *Author: Samina Salim*. Clarionindia.net (Caravan Daily), March 2, 2020, New Delhi, India
17. “New Delhi and More”, *Author: Samina Salim*. Countercurrents.org, March 1, 2020
18. “Thank You Shaheen Bagh Women”, *Author: Samina Salim*, Clarionindia.net (Caravan Daily, New Delhi, India, January 28, 2020,
19. “Time to Uphold the Message of Sarvadharm Sambhava”, *Author: Samina Salim*. TDNworld, Kolkata, India, January 25, 2020
20. “Pluralism is the Only Way Forward for India”, *Author: Samina Salim*, Clarionindia.net (Caravan Daily), New Delhi, India, January 20, 2020.
21. “A Holocaust in the Making”, *Author: Samina Salim*, Muslimmirror.com, January 20, 2020
22. “Defeating Politics of Hate in India”, *Author: Samina Salim*, Clarionindia.net (Caravan Daily), New Delhi, India, January 10, 2020
23. “I Protest”, *Author: Samina Salim*, Houston Peace and Justice Society, Houston, TX, January 6, 2020
24. “Freedom of Expression: A global Threat”, countercurrents.org, May 30, 2018
25. “Save Aligarh Muslim University”, *Author: Samina Salim*, Houston Peace and Justice Center, Houston, TX, May 23, 2018
26. “Distinguished Aligs: Padma Awards and More”, Book *Author: Samina Salim*, Cognella Inc. USA