List of Publications

1. **Sharma, R.,** Sahota, P. and Thakkar, M.M. Basal forebrain cholinergic neurons play a vital role in sleepiness observed after alcohol consumption. *J. Neurochem.* (**Submitted**).
2. **Sharma, R.,** Sahota, P. and Thakkar, M.M. Role of basal forebrain in nicotine alcohol co-abuse. In: Addictive substances and neurological disease (Watson, R.R., Zibadi, S. eds), Elsevier Inc, Philadelphia. (**Submitted**)
3. Hinkel, C.J., **Sharma, R.,** Thakkar, M.M., Takahashi, K., Hopewell, B.L., and Lever, T.E. (2016). Neural mechanisms contributing to dysphagia in mouse models. *Otolaryngol. Head Neck Surg.* 155(2), 303-306.
4. Parker, K.E., McCabe, M.P., Johns, H.W., Lund, D.K., Odu, F, **Sharma, R.,** Thakkar, M.M., Cornelison, D.D.W., and Will M. (2015). Neural activation patterns underlying basolateral amygdala influence on intra-accumbens opioid-driven consummatory versus appetitive high-fat feeding behaviors in the rat. *Behav. Neurosci.* 129(6), 812-821.
5. **Sharma, R**., Lodhi, S., Sahota, P. and Thakkar, M.M. (**2015**). Nicotine administration in the wake-promoting basal forebrain attenuates sleep promoting effects of alcohol. *J. Neurochem.* 135(2), 323-331.
6. Thakkar, M.M., **Sharma, R.** and Sahota, P. **(2015)**. Alcohol disrupts sleep homeostasis. *Alcohol*: 49 (4); 299-310.
7. **Sharma, R**., Bradshaw, K., Sahota, P. and Thakkar, M.M. (**2014**). Acute binge alcohol administration reverses sleep-wake cycle in sprague dawley rats. *Alcohol Clin. Exp. Res.* 38(7), 1941-1946.
8. **Sharma, R**., Sahota, P. and Thakkar, M.M. (**2014**). Nicotine administration in the cholinergic basal forebrain increases alcohol consumption in C57BL/6J mice. *Alcohol Clin. Exp. Res.* 38(5), 1315-1320
9. **Sharma, R**., Dumontier, S., DeRoode, D., Sahota, P. and Thakkar, M.M. (**2014**). Nicotine infusion in the wake-promoting basal forebrain enhances alcohol-induced activation of nucleus accumbens. *Alcohol Clin. Exp. Res.* 38(10), 2590-2596.
10. **Sharma, R**., Sahota, P. and Thakkar, M.M. (**2014**). Rapid tolerance development to the NREM sleep promoting effect of alcohol. *Sleep*. 37(4), 821-824.

11. **Sharma, R**., Sahota, P. and Thakkar, M.M. (**2014**). Role of adenosine and the orexinergic perifornical hypothalamus in sleep-promoting effects of ethanol. *Sleep*. 37(3), 525-533.
12. **Sharma, R**., Engemann, S.C., Sahota, P. and Thakkar, M.M. (**2010**). Role of adenosine and wake-promoting basal forebrain in insomnia and associated sleep disruptions caused by ethanol dependence. *J. Neurochem. 115, 782-794.*
13. **Sharma, R**., Engemann, S.C., Sahota, P. and Thakkar, M.M. **(2010**). Effects of ethanol on extracellular levels of adenosine in the basal forebrain: an in vivo microdialysis study in freely behaving rats. *Alcohol Clin. Exp. Res.* 34, 813-818.
14. Thakkar, M.M., Engemann, S.C., **Sharma, R.,** Mohan, R.R. and Sahota, P. (**2010**). Sleep-wakefulness in alcohol preferring and non-preferring rats following binge alcohol administration, *Neuroscience* 170, 22-27.
15. Thakkar, M.M., Engemann, S.C., **Sharma, R**. and Sahota, P. (**2010**). Role of Wake-Promoting Basal Forebrain and Adenosinergic Mechanisms in Sleep-Promoting Effects of Ethanol. *Alcohol Clin. Exp. Res.* 34, 997-1005.
16. **Sharma, R.** and Raghubir, R. (**2007**). Stem cell and therapy: A Hope for dying heart. *Stem cells and development* .16, 517-536.
17. **Sharma, R.**, Sahota, P. and Thakkar, M.M. **(2015).** Orexin, Alcohol and Sleep Homeostasis. In: Orexin and Sleep: Molecular, Functional and Clinical aspects (Sakurai, T., Pandi-Perumal, S.R., Monti, T. eds), Springer International Publishing, Switzerland; pp137-164.
18. Thakkar, M.M., **Sharma, R.**, Engemann, S.C. and Sahota, P. **(2011).** Adenosine and Glycine in REM sleep regulation. In: Rapid eye movement: Regulation and Function (Mallick, Pandi-Perumal, McCarley and Morrison eds), Cambridge University Press, Cambridge; pp256-265.