

## **Aditya Bhattacharya, Ph.D.**

Post-doctoral research associate

### Education

January 2015 to August 2022: Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru, India.

Awarded the degree of Ph.D. for a thesis entitled “Elucidating the functional implications of histone acylation in adipogenesis and hepatic steatosis”. Work supervised by Prof. Tapas Kumar Kundu.

### Publications

1. Bhattacharya, A\*., Sikder, S., Agrawal, A., Sethi, G., Kundu, T.K. (2024) Micro-RNAs in breast cancer progression and metastasis: A chromatin and metabolic perspective. *Heliyon* 10(19):e38193.
2. Bhattacharya, A.\*., Chatterjee, S., Bhaduri, U., Singh, A.K., Vasudevan, M., Sashidhara, K.V., Guha, R., Nazir, A., Rath, S.K., Natesh, N., Kundu, T.K. (2022) Butyrylation Meets Adipogenesis-Probed by a p300-Catalyzed Acylation-Specific Small Molecule Inhibitor: Implication in Anti-obesity Therapy. *J Med Chem* 65(18), 12273-12291.
3. Senapati, P., Bhattacharya, A.\*., Das, S., Dey, S., Sudarshan, D., G. S., Vishwakarma, J., Sudevan, S., Ramachandran, R., Maliekal, T.T., Kundu, T.K. (2022) Histone Chaperone Nucleophosmin Regulates Transcription of Key Genes Involved in Oral Tumorigenesis. *Mol Cell Biol* 42(2): e0066920.
4. Behera, A.K., Kumar, M., Shanmugam, M.K., Bhattacharya, A.\*., Rao, V.J., Bhat, A., Vasudevan, M., Gopinath, K.S., Mohiyuddin, A., Chatterjee, A., Sethi, G., Kundu, T.K. (2019) Functional interplay between YY1 and CARM1 promotes oral carcinogenesis. *Oncotarget* 10(38), 3709-3724.
5. Behera, A.K., Bhattacharya, A.\*., Vasudevan, M., Kundu, T.K. (2018) p53 mediated regulation of coactivator associated arginine methyltransferase 1 (CARM1) expression is critical for suppression of adipogenesis. *FEBS J* 285(9),1730-1744.