PUBLICATIONS

- **Singh, J.,** Sharma, K., & Pillai, P. P. (2017). PDGFR inhibition mediated intracellular signalling in C6 glioma growth and migration: role of ERK and ROCK pathway. *Cytotechnology*, 1-13
- Sharma, K**., Singh, J.,** Pillai, P. P., & Frost, E. E. (2015). Involvement of MeCP2 in Regulation of Myelin-Related Gene Expression in Cultured Rat Oligodendrocytes. Journal of Molecular Neuroscience, 1-9.
- Sharma, K.,**Singh, J.,** Pillai, P. P., & Frost, E. E. (2017). MeCP2 over expression inhibit C6 glioma growth and migration by modulating ERK signaling and gene expression. *Cellular oncology* (Under review).
- **Singh,J.,** Sharma.,& Pillai,P.P & Frost ,E.E (2017). Role of PDGF-A activated ERK signalling mediated actin reorganization and FAK-Paxillin interaction in oligodendrocyte progenitor cell migration. (Under Communication)
- Sharma, K**.,Singh, J.,** Pillai, P. P. (2017) MeCP2 differentially regulates myelin MBP and PLP protein expression in oligodendrocytes and C6 glioma.(Under Review)

Workshop/Conference/Seminar / Travel Award

- **Poster Presentation** entitled "Role of PDGF-A activated intracellular signalling in glioma growth and migration" in XXXV Annual Meet of Indian Academy of Neurosciences (IAN) 2017 (29th October-31st October,2017) at Ravenshaw university, Cuttack, Odisha
- **DBT, New Delhi, International Travel Award** to attend "*14th Meeting of the Asian-Pacific Society for Neurochemistry (APSN 2016)*" to be held from 27th – 30th August 2016 at the Hotel Istana Kuala Lumpur, Malaysia.
- **Poster Presentation** entitled "*PDGF-A activated signalling pathways and molecular mediators in glioma growth and migration*" in 14th Meeting of the Asian-Pacific Society for Neurochemistry APSN 2016 (27th – 30th August 2016) at Kuala Lumpur, Malaysia.
- Abstract entitled "*MeCP2regulates gene expression and signaling pathway in C6 glioma*" at *14th Meeting of the Asian-Pacific Society for Neurochemistry(APSN)*, Kuala Lumpur, Malaysia, 27 Aug - 30 Aug, 2016.**(Co-Author**)
- **Poster Presentation** on "Role of ERK and Rho associated protein kinase (ROCK) signalling in PDGF-A induced Oligodendrocyte progenitor cells migration and cytoskeleton reorganization" in XII European Meeting on Glial Cells in Health and Disease (13th July-18th July, 2015) at Bilbao, Spain.
- **Poster Presentation** on "*Role of PDGF-A induced ERK-Paxillin complex in OPC migration*" at International conference on Recent trends in Biomedical Sciences & Annual meeting (2014) of SRBCE at Holy Cross College, Trichy, T.N.
- Pillai, P. P., Tripathi, A., **Singh, J.,** Parikh, Z., & Sharma, K. (2014, August). *Role of PDGFRa-integrin crosstalk in OPC migration*. In Journal of

Neurochemistry (Vol.130,Pp.27-27). 11 River St, Hoboken 07030-5774,NJ USA: WILEY-BLACKWELL **(Co-Author).**

- Abstract entitled "*Role of MeCP2 in transcriptional regulation of central nervous system myelination*"at Kolkata Neuroscience Conference-2014, International conference on *Neurochemistry of the Ageing Brain* from January 31st –Feb 1st, 2014 at CSIR-Indian Institute of Chemical Biology, Jadavpur, Kolkata, West Bengal, India.**(Co-Author)**
- Attended two day national seminar on *Molecular Basis of Disease* on 1st and 2nd august 2014 at Department of Biochemistry, The Maharaja Sayajirao University of Baroda, Vadodara. Gujarat, India
- Poster Presentation entitled "*The role of extracellular growth kinase (ERK1/2) in oligodendrocyte Migration*" at Advanced school of Axonal Transport and Neurodegenerative Disorders organised at ICTS-TIFR, Colaba, Mumbai(13th Jan-22nd Jan,2013).
- Attended one day seminar on "*Recent Trends in Microbial Technology*" on 21st Feb 2012 at Dept. of Microbiology and Biotechnology Centre, The Maharaja Sayajirao University of Baroda, Vadodara. Gujarat, India
- Poster presentation on "*Non-invasive endocrine assessment and its behavioural correlation in captive Ungulates*" at Science excellence-2010 conducted by Gujarat University, Ahmedabad, India.