

Internal Seminar

Epithelial-to-Mesenchymal transition in ependymomas: A perspective from molecular and genetics facet

Prit Benny Malgulwar

AIIMS, New Delhi

Epithelial-to-Mesenchymal transition (EMT) is a highly synchronized and is a multistep process during which frequent loss of epithelial characteristics and assumes characteristics typical of mesenchymal cells are observed, reflecting a high level of phenotypic plasticity. Despite the fact that EMT process is considered as a major initiator and modulator of cancer progression and metastasis in epithelial solid tumors, recent reports have observed and reported an EMT (-like) process in non-epithelial tumors especially CNS tumors. I will be speaking on the relationship of genetic alterations and molecular background with EMT process in ependymomas, a pediatric glial tumor and to find its association with various molecular subgroups. Further, I have found few clinically relevant targets that are associated with prognosis, diagnosis and therapeutic aspect of ependymomas, which can be translated from “bench-to-bedside”.

Friday, Mar 09th 2018

02:00 PM (Tea/Coffee at 01:30 PM)

Seminar Hall, TIFR-H