BCL11B. repaired erroneously generates deleterious mutations, resulting in loss of functionality of binds to exon 4 due to the formation of non-B DNA, leading to a U:G mismatch, which when region, thus explaining the fragility of this region. Taken together, her results reveal that AID successfully determined the formation of non-canonical structures and binding of AID to this characterization of different non-B DNA structures in BCL11B fragile Region I where she has generation of mutations upon aberrant repair. Another part of her work involved the cells which is enhanced upon overexpression of AID, thus reinforcing its binding to exon 4 and endogenous expression of AID can generate a signature mutation pattern in this region inside its ability to bind to BCL11B fragile Region I in exon 4. She has further shown that the assays, she has demonstrated the aberrant expression of AID in T-ALL cells and patients and induced cytidine deaminase (AID) in the fragility of BCL11B gene. Using various experimental deregulated gene prompted her to investigate the role of the physiological mutator, Activationfrequency of C>T or G>A conversion at the close vicinity of AID-binding motifs in the BCL11B harbours several driver mutations, which abrogates its DNA-binding ability. The high of T-cell acute lymphoblastic leukemia. It was reported by multiple groups that the exon 4 of behind the deregulation of the transcription factor, BCL11B and its impact on the pathogenesis The research work performed by Ms. Urbi Roy involves elucidating the primary reason

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