1163-13-1119 **Kevin Tucker*** (kftucker@uic.edu) and **Rankeya Datta**. *On some permanence properties of (derived) splinters.*

Perhaps owing to their simple definition, basic questions about splinters are often devilishly difficult to answer. Following André's celebrated proof of Hochster's direct summand conjecture, it is natural to ask whether splinters satisfy some basic permanence properties enjoyed by other classes of singularities. We show that Noetherian splinters ascend under essentially étale homomorphisms. Along the way, we also prove that the henselization of a Noetherian local splinter is always a splinter and that the completion of a local splinter with geometrically regular formal fibers is a splinter. Finally, we give an example of a (non-excellent) Gorenstein local splinter with mild singularities whose completion is not a splinter. This talk is based on joint work with Rankeya Datta. (Received September 14, 2020)