In 2016, Pellarin introduced the deformation of multiple zeta values over function fields defined by Thakur. In this talk, we study a special family of such values called trivial multiple zeta values. Moreover, we describe a module structure on the set of trivial multiple zeta values over a non-commutative polynomial ring and determine the generators under a certain condition on number of variables. Furthermore, we explain how one can detect linear relations among Thakur’s multiple zeta values by using trivial multiple zeta values. This is a joint work with Federico Pellarin. (Received August 10, 2020)