The Hippo pathway is a unique signalling module that regulates cell-specific transcription in response to a wide range of intrinsic and extrinsic cues. Besides its classical role in restricting tissue size during development, Hippo signalling is now recognized as a key regulator of cell survival, cell fate determination, epithelial-to-mesenchymal transitions and cellular migration. Due to its highly dynamic nature, the intestinal epithelium has served as an exceptional model to study the complex roles of Hippo signaling in homeostasis and tumorigenesis. In this talk, I will present an overview of the role of the Hippo effector, Yap, in regulating gut epithelial regeneration and adenoma formation. In addition, preliminary data implicating Hippo function in driving epithelial/stromal interactions will be discussed.