Dissecting neuroendocrine mixed tumors by single cell RNA-seq WEIZMANN Debdatta Halder¹, Avishay Spitzer¹, Moshe Biton¹, Amit Tirosh² and Itay Tirosh¹ ¹ Weizmann Institute of Science, Rehovot, Israel OF SCIENCE ² Sheba Medical Center, Ramat Gan, Israel

(1) Abstract

We use single cell RNA-seq to comprehensively characterize the cellular diversity of "mixed" tumors that contain both a neuroendocrine and a non-neuroendocrine component. Here, we analyze a large cell neuroendocrine carcinoma (LCNEC) combined with squamous cell carcinoma. We identify the two expected cancer components neuroendocrine and squamous – but also populations of undifferentiated/progenitor cells that may give rise to both of the differentiated components.







