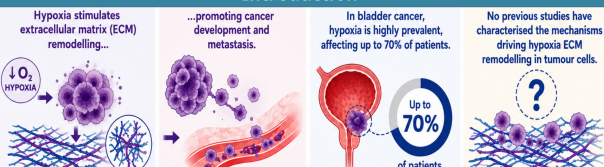
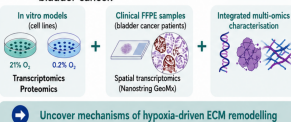


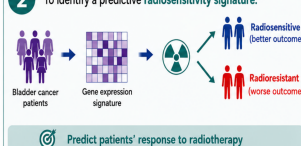
Introduction



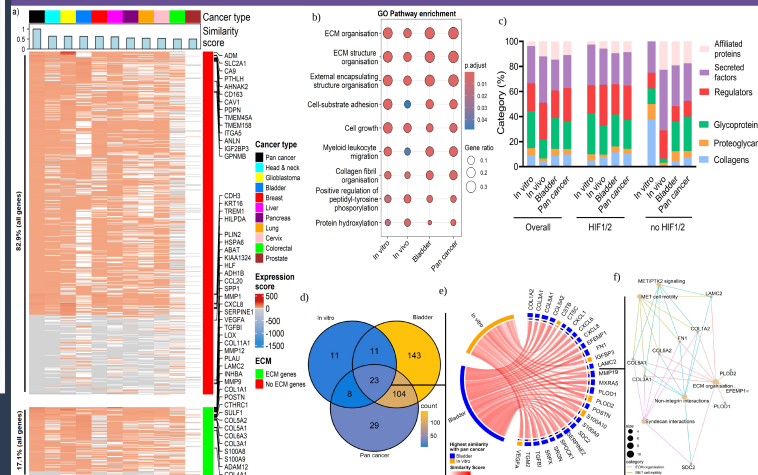
- 1 To perform a **multi-omics characterisation** of hypoxia-induced ECM changes in bladder cancer.



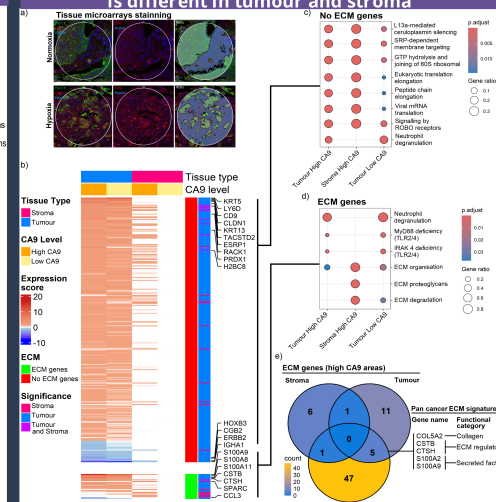
2 To identify a predictive radiosensitivity signature



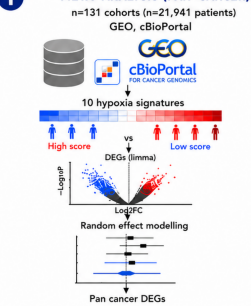
b) GO Pathway enrichment



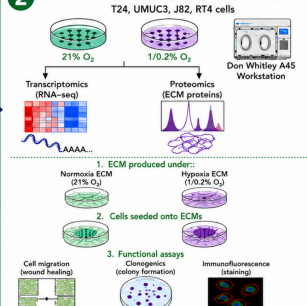
is different in tumour and stroma



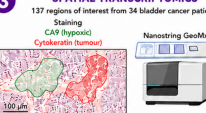
1 META-ANALYSIS (PAN-CANCER)



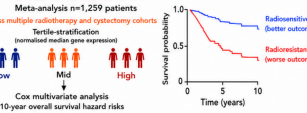
2 IN VITRO MULTI-OMICS & FUNCTIONAL ASSAYS



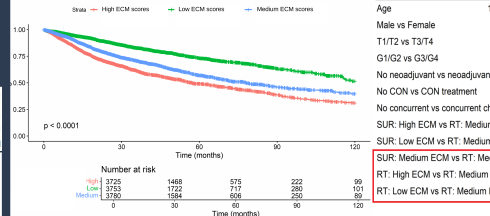
SPATIAL TRANSCRIPTOMICS



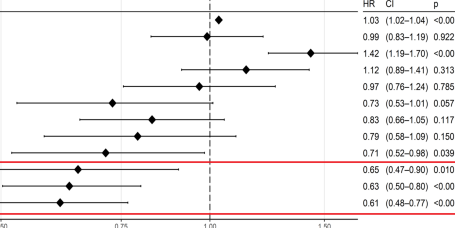
SIGNATURE VALIDATION



a) TCGA pancancer OS	b) Subgroup	n
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predicts radiotherapy benefit



1- Hypoxia induces different ECM alterations depending on O₂ levels, modulating cell migration and radiosensitivity

2- A novel hypoxic-ECM signature predicts benefit from radiotherapy over surgery

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