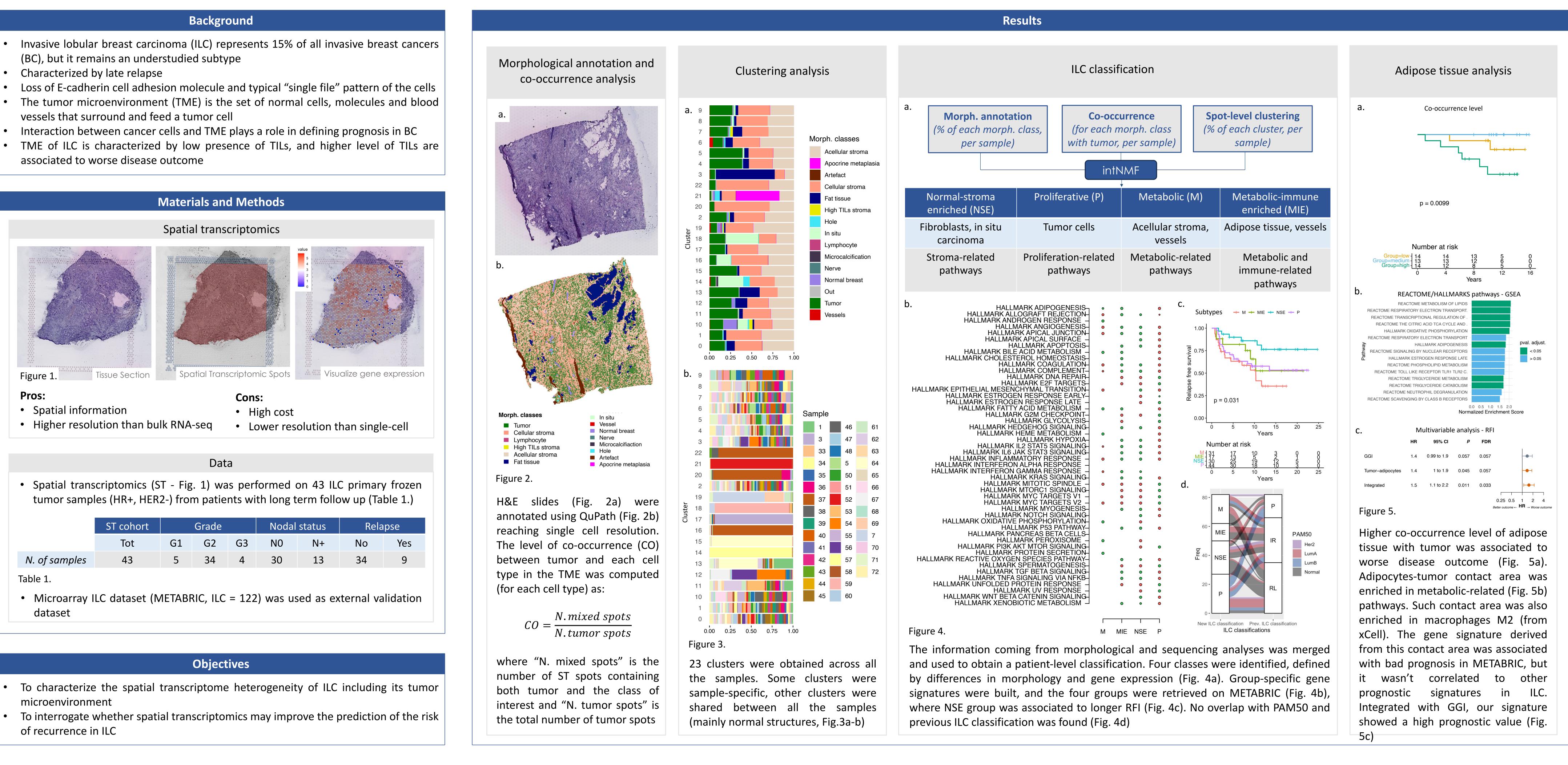


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- (BC), but it remains an understudied subtype

- vessels that surround and feed a tumor cell
- associated to worse disease outcome



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PO1-15-03 - Spatially resolved analysis of tumor microenvironment in invasive lobular carcinoma



Take-home messages

- ILC is an understudied subtype, with peculiar biological and clinical features
- Spatial transcriptomics enables the analysis of the tumor microenvironment in relation to its composition and organization
- Heterogeneity, both within individual patients (intra-patient) and between different patients (inter-patient), was observed in both morphology and gene expression
- The presence of this heterogeneity enabled the identification of four distinct ILC subgroups: normal-stroma enriched, proliferative, metabolic, metabolic-immune enriched
- These subtypes showed differences in prognosis also in external datasets
- Adipose tissue-tumor cells interactions were associated with worse disease outcome in ILC
- Metabolism seemed to play a key role in ILC biology











