### Building a spatial single-cell multi-omics atlas and cellular interactome for skin cancer

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# **Spatial atlas (Spatial Molecular Imager)**







Keratinocytes (KC)

- Immune (I)
- Pilosebaceous (P)
- Fibroblasts (F)
- Endothelial (E)
- Melanocytes (M)

## Conclusions

• We generated the single cell and spatial atlas of SCC, BCC, and melanoma cancers, with focus on SCC cancer and melanoma 28 SCC cell types were identified and validated by

- complementary methods
- · Cell-cell interactions specfic for cancer states were determined

### **Acknowledgements**

We thanks the NanoString team for working on the SMI analysis