Geroscience Technology Core GTC



- Provide advice on the design of geroscience studies across model organisms
- Facilitate access to several technology development pipelines

- Coordinate the geroscience technologies at USC and the Buck to accelerate research studies
- Promote use of resources at both USC and the Buck to enhance study design

GTC



List of Technology Platforms

 MITOCHONDRIA AND METABOLISM TECHNOLOGY PLATFORM (MMTP)

PLATFORM (MOHRTP)

- NEXT-GENERATION TECHNOLOGY PLATFORMS (NGTPS)
 - Highlight a recent funded example

MODEL ORGANISMS HEALTHSPAN AND RESILIENCE TECHNOLOGY

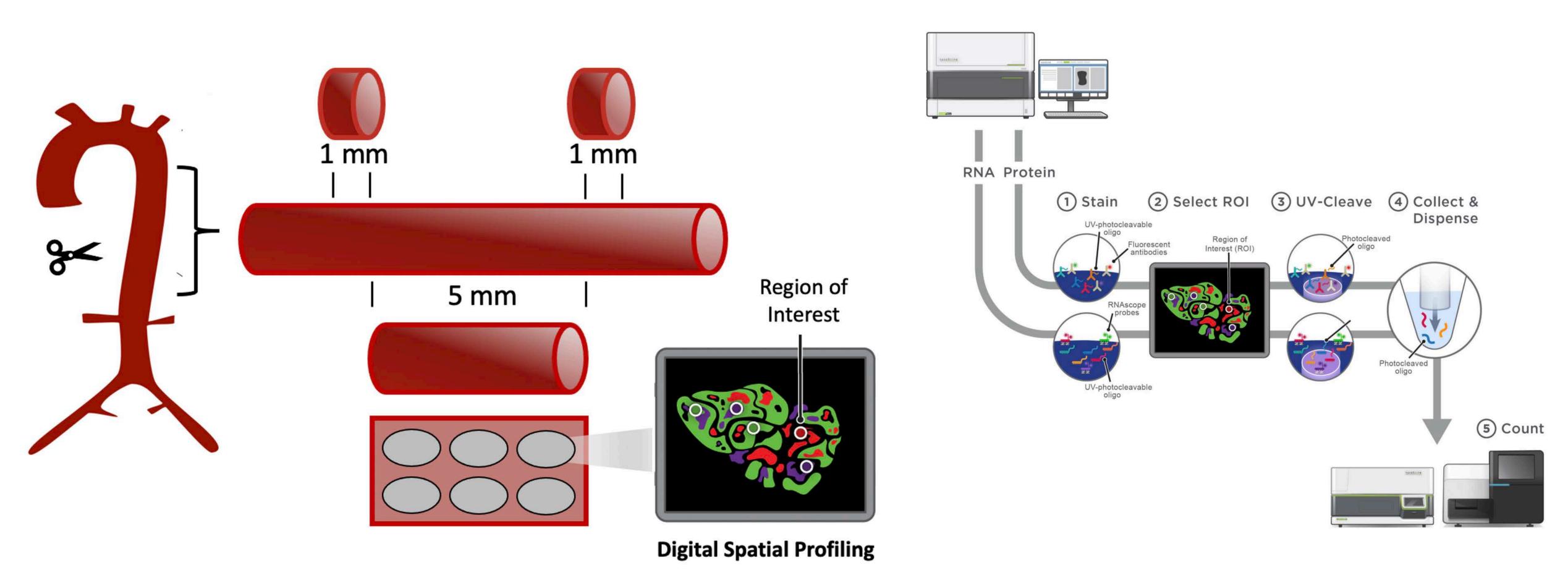


Pilot program to generate data for grants/papers

- Aging vasculature an important problem (no treatments)
- Spatial profile of aging blood vessels poorly characterized
- Doug Seals/Zach Clayton (UC Boulder) proposed a pilot to better understand vascular dysfunction
- Uses state of the art transcriptional profiling of aging aortas



Spatial transcriptomic/proteomic profiling GEOMX Spatial profiler (Nanostring)



Doug Seals, Zach Clayton (UC Boulder, CO)

Analyzed data expected June 2021

