The Technology Seminar Series Presents:

"Spatial Whole Transcriptome Profiling and High Plex Single Cell Imaging using NanoString"

Sean Gerrin AL.M,

Technical Specialist, Spatial Biology NanoString Technologies, Inc. Sarah Weigel



Thursday, May 19th, 2022 12:00 – 1:00 pm Zoom Meeting

https://masseyeandear.zoom.us/j/583662273?pwd=TWJTUEV6ZTFUTzUzaWx5dXFmR2puQT09

Meeting ID: 583 662 273 Passcode: 248969



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Summary of Mr. Gerrin's talk:

While bulk profiling methods enable researchers to detect molecular changes and develop novel biomarkers, it requires sample dissociation and does not preserve tissue architecture. NanoString has developed spatial biology technologies to provide researchers solutions to test new hypotheses at the multicellular and single cell level using intact formalin-fixed paraffin-embedded (FFPE) and fresh frozen (FF) tissues. Please join us to learn how GeoMx Digital Spatial Profiler (DSP) can be used to examine the whole transcriptome of the "molecular machines" within the tissue. We will introduce the CosMx Spatial Molecular Imager (SMI), which can be used to evaluate the "private lives" of cells at the single and subcellular level in situ.

About Mr. Gerrin:

Sean Gerrin is the Technical Specialist for NanoString's Spatial Biology business arm. Sean joined NanoString in 2021 and is passionate about helping researchers understand how spatial analysis can be leveraged to detect new biomarkers and understand disease progression across many research applications. Prior to joining NanoString, Sean held roles in technical product management at Invicro and Covaris. Additionally, Sean conducted prostate cancer research at Beth Israel Deaconess Medical Center (BIDMC) in Boston. He completed his master's thesis focused on understanding the genetic mechanisms driving tumor progression.

