Job Title: Summer Research Intern, Image data processing, SMI (remote optional)

Department: 220 Research - Platform

Job Summary:

NanoString is seeking a summer research Intern to join its Research and Development group. In this role you will develop deep learning-based approaches to computational image processing. The work will focus on extracting information from high density, feature rich images, which pose challenges for standard computational methods. This deliverables generated during this internship will directly influence R&D and the continued development efforts of the recently announced, CosMx, spatial molecular imager (SMI). This platform leverages Hyb & Seq (a novel single molecule hybridization-based sequencing) chemistry to spatially profile expression of 1000+ genes at single cell and sub cellular resolution across tissue samples.

NanoString is a highly interdisciplinary company and working here will involve close collaboration with biologists, scientists, software engineers, and hardware engineers. The applicant will be expected to have strong verbal and written communication skills and bring an aptitude for multi-disciplinary learning.

Requirements (Education, Experience, Specific Skills):

Potential candidates should have the following background:

Required

- Current graduate (masters/PhD) student with computational background in deep learning (undergraduate student with equivalent experience will be considered)
- Familiarity with PyTorch and CNNs and U-Net architectures
- Experienced in image processing and computer languages such as Python, Java, C++, C#
- Highly organized, diligent, self-driven, and an excellent written and oral communicator

Desired

- Postgraduate experience
- Familiarity with localization microscopy and computational model fitting
- Highly organized, diligent, self-driven, and an excellent written and oral communicator

Please, send your application to:

thinsdale@nanostring.com