



Institute of Bioinformatics
UNIVERSITY OF GEORGIA

Deanna Church, Ph.D.

Senior Director of Applications
10x Genomics

“Bootstrapping Biology with 10X Genomics”

Abstract:

This talk will present an introduction of the 10X Genomics technologies for genome assembly and single cell transcriptomics and how these technologies can be applied to non-model organisms. I will present an overview of 10X Genomics Linked Reads and the SuperNova assembly algorithm, and show results where we could demonstrate that a 10X de novo assembly for a non-model organism was better than the current reference genome, and could be used to support single cell 3' RNA-seq analysis with the 10X Genomics Cell Ranger toolkit.

Website: <https://www.10xgenomics.com/news/renowned-reference-genome-expert-deanna-church-joins-10x-genomics/>

Date: Friday, September 21, 2018 at 11:15am

Location: Davison Life Sciences, Room B118

Host: Casey Bergman, Ph.D.