

10X Genomics – Visium Sample Submission Form

Iowa Neuroscience Institute: NeuroBank Core

Iowa Institute of Human Genetics: Genomics and Bioinformatics Divisions

Date:

Project title:

Principal investigator (first and last name):

PI's Email Address:

Contact Person's Name and Email Address:

Billing Information:

MFK (UI only):

Invoice (off-campus)

Billing contact name:

Street Address1:

Street Address 2:

City, State, Zip Code:

Phone Number:

Project Summary

10X Genomics Visium kit used:

Sample Source (e.g., Mouse brain):

No. of samples:

Please summarize the preliminary data, hypothesis, aims and research plans of the Visium project for which samples will be used (~200 words):

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Requested Service(s) - check all that apply

Consult Meeting (required)

Purchase Visium slides and reagents

NeuroBank Core

Full service – Investigator provides qualified tissue blocks with bioanalyzer RINs>7

- Cryostat sectioning and mounting
- Slide optimization
- Gene expression slide and cDNA prep

Self-service: Investigator performs some or all sample processing steps to prepare the samples for sequencing

Standard cryostat sectioning

Custom cryostat sectioning, staining, and mounting

Genomics Division

QC of RNA Integrity with Agilent Bioanalyzer

Library preparation

Large-scale sequencing on NovaSeq – costs vary – contact dna-genomeseq@uiowa.edu

Bioinformatics Division

Space Ranger Pipeline

Seurat Pipeline

Advanced custom analysis