**NanoString DSP Project Request Form**

*Please return completed form to* [*brpc@duke.edu*](mailto:brpc@duke.edu)

*If you need help filling out this form, please schedule a consultation with Jadee Neff at* [*https://brpc-test.ocp.dhe.duke.edu/digital-spatial-profiling*](https://brpc-test.ocp.dhe.duke.edu/digital-spatial-profiling)

|  |  |
| --- | --- |
| **Project Overview** | |
| Investigator |  |
| IRB/IACUC |  |
| Date Submitted | Click or tap to enter a date. |
| Study Contact |  |
| Fund Code |  |

|  |  |
| --- | --- |
| **Study Background** | |
| Study Title |  |
| Biological Rationale |  |
| Specific Aims and Plan of DSP Experiment |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Study Details** | | | | |
| Species |  | | | |
| Tissue/Tumor Type |  | | | |
| Tissue Format | 1 tissue per slide 2 tissues per slide  TMA  Other | | | |
| If other, please elaborate: | | | |
| Case/block selection  (select all that apply) | Need BRPC to identify cases Need BRPC Pathologist to identify best block Investigator will provide blocks or slides | | | |
| Blocks (total # blocks to be cut in BRPC) |  | | | |
| List all cases/blocks  (if applicable): |  | | | |
| Slides (total # slides) : |  | | | |
| Analyte(s) | Protein  RNA Protein + RNA | | | |
| Panel | Human Protein IO  Mouse Protein IO Human Protein Neuro  Human RNA IO (~100 gene)  Cancer Transcriptome Atlas (RNA ~1800 gene)  Whole Transcriptome Analysis (>18,000 genes) | | | |
| Protein Modules | I/O drug targets  Immune activation Immune typing Pan-Tumor Cell Death MAPK signaling PI3K/AKT signaling | | | |
| Custom Content |  | | | |
| Morphology Markers (Fluorescent Stains) select up to 3 additional | Marker 1  PanCK  S100B + PEML17  Other:  ­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Marker 2  CD45  Other:  ­­­\_\_\_\_\_\_\_\_ | Marker 3  Syto83 (DNA) | Marker 4  SMA  CD20  Other:  ­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| ROI/Mask Strategy | Geometric  Rare Cell Profiling  Tumor/Tumor Microenvironment  Other  Contour | | | |
| Details on ROI Selection/Masking Strategy: | | | |
| AOI per slide |  | | | |
| Total AOI in experiment |  | | | |
| Sample Availability | Immediately  Future (provide details): | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Deadlines** | | | |
| *Turnaround time (TAT) for GeoMx DSP projects can vary from a few weeks to a few months depending on the availability of tissue and experimental design. All samples will be processed as quickly and efficiently as possible and are typically based on a first come, first served basis. However, special consideration will be made for investigators working under a deadline.* | | | |
| Hard deadline (e.g. grant deadline; funding ends soon) | No  Yes Date: | Click or tap to enter a date. | |
| Soft deadline | No  Yes Date: | Click or tap to enter a date. | |
| No deadline | Yes (project will still be completed ASAP) | |