**NanoString DSP Project Request Form**

*Please return completed form to* *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)

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

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

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| **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[x]  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):  |

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| **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) |