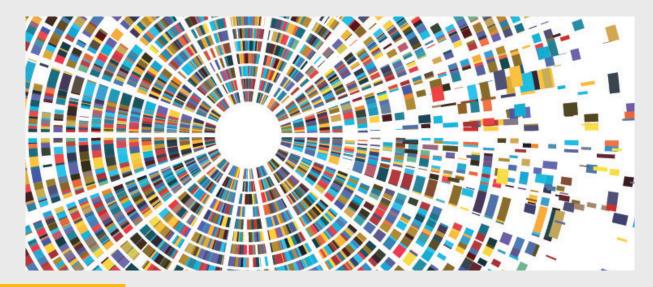
# **BIOMEDICA AND MULTIPLEXING**



## **Key Areas**

- Genomic Multiplexing Technologies
- Proteomic Multiplexing Technologies
- Cellular and Tissue-based Multiplexing Technologies
- Multiplex Service Options

# It is more beneficial to study multiple targets for several reasons

- · Deeper understanding of the underlying biology
- Increasing the statistical power
- Detecting multiple biological pathways
- Enhanced reproducibility





## **Genomic Multiplexing Technologies**

#### **GENE EXPRESSION MULTIPLEXING**

- nCounter® Pro Analysis System and Sprint Profiler for multiplex analysis of 800+ targets
- CosMx SMI provides spatial biology at a cellular and subcellular resolution
- GeoMx Digital Spatial Profiler (DSP) for spatial transcriptomics and spatial proteomics

#### **MULTIOMICS REAGENTS**

### **Proteomic Multiplexing Technologies**

#### SAMPLE SCREENING

- Membrane-based Antibody Arrays for analysis of up to 274 analytes in various species
- Cell Surface Marker Assays for 350 antibodies across 71 profiling subsets

#### **VALIDATION AND OPTIMIZATION**

#### Planar-based Assays

• Cytokine and Complement System multiplex solutions and instrumentation for various species and up to 16 analytes

#### **Bead-based Multiplex Assays**

- Flow Cytometry Multiplexing Assays for up to 24 analytes and multiple species
- Luminex Multiplexing Assays for up to 100 analytes including instrumentation and consumables

#### **Highly Automated Platforms**

Fully Automated Platforms for cell and gene therapy, production, and your research needs

#### Pathway and Disease Assays

• Disease Panel Elisa Sampler Packs

### Cellular and Tissue-based Multiplexing Technologies

#### **IMMUNE RESPONSES**

- FluoroSpot and ELISpot kits are used to quantify protein-secreting cells and their immune responses
- Readers with unparalleled accuracy and speed and a quite unique algorithm

#### **TISSUE-BASED**

- CosMx SMI
- GeoMx Digital Spatial Profiler (DSP)
- Advanced Cell Diagnostics Understand vital gene expression patterns at single-cell resolution

### **Multiplex Service Options**

- **High-quality RNA Services** including RNA extraction, Next generation sequencing (NGS) and RT-qPCR and the custom analysis of microRNA signatures
- Cytokine and Complement Assay Services
- Glycan Profiling Services
- Custom Services

