DATE

Dear {{Name}},

The Michigan State University Flow Cytometry Core Facility (RRID:SCR\_026903) is pleased to support your {{Institution/Foundation Name}} grant proposal entitled " {{Grant Title}}.”

The mission of the MSU Flow Cytometry Core is to provide investigators with access to state-of-the-art cell sorting and analytical flow cytometry services, as well as training and experimental consultation to fulfill research needs. The Core Facility is equipped with instruments capable of spectral cytometry (5-laser Cytek Aurora), imaging cytometry (Attune CytPix), cell sorting (SONY MA900 and BD FACSAria IIu), fNTA small particle analysis (ZetaView), single-cell omics (10x Chromium controller), multiplex assays (Luminex 200), and a spinning disk confocal benchtop microscope with high-content screening capabilities (Yokogawa CQ1), all of which we provide both instrumentation and didactical user training to researchers. As Core Manager, I bring a range of expertise in protocol optimization and multiparametric antibody panel design for various tissue types and support project workflows, including panel development, optimization, and data analysis. Our team assists in assay development for flow cytometric endpoints such as immunophenotyping, pharmacodynamics, receptor occupancy, proliferation, cell cycle, and viability, as well as detection of intracellular cytokines, phosphorylated proteins, and transcription factors, tailored to each investigator’s goals.

The studies described in your {{Institution/Foundation Name}} grant supported by the MSU Flow Cytometry Core Facility will include the development of {{ProjectGoalDescription}}. Core Facility services in support of this project will include {{CoreServices}}, which will ultimately result in the development of optimized {{Flow Cytometric Project Endpoint}}.

We look forward to working with you on this exciting project.

(Please send completed letter draft to ahnsooh1@msu.ed for review and signature)

Soo Hyun Ahn, PhD

Core Manager, MSU Flow Cytometry Core Facility

Assistant Professor, Department of Pathobiology & Diagnostic Investigation