



MU CELL SORTING FACILITY

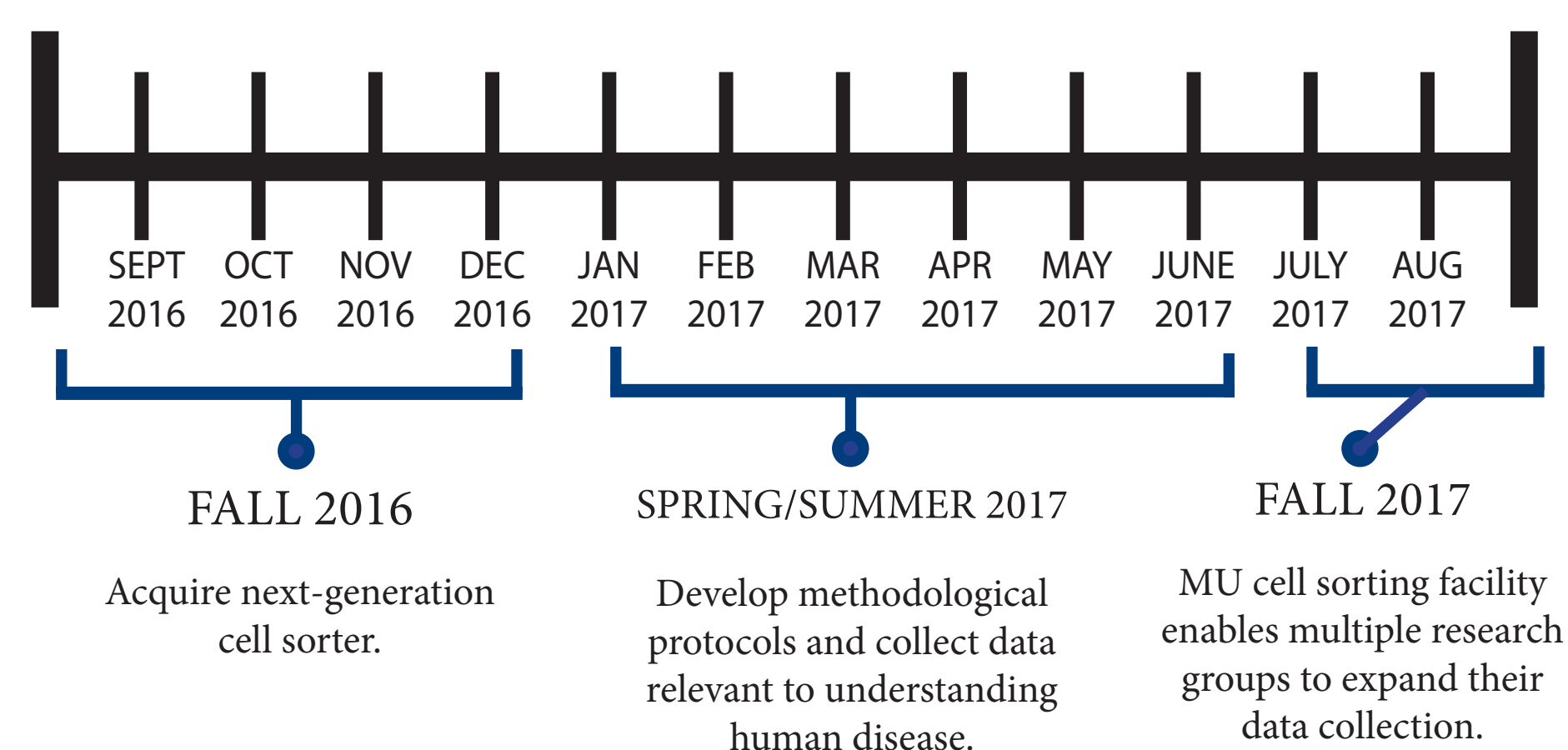
SUMMARY

We seek to establish a next-generation cell-sorting facility that will feature technology that better enables the isolation of cells from a complex environment (e.g., large tissue sample)

DESCRIPTION

Treating disease requires understanding pathology at the cellular level. Toward this goal, we seek to establish a next-generation cell-sorting facility that will feature technology that enables the isolation of cells from a complex environment. The MU cell-sorting Facility will permit the isolation of cells of interest and enable MU scientists to utilize a vastly more sensitive approach to study disease and unmask novel therapeutic targets.

MILESTONES



ABOUT OUR TEAM

Dr. SuJean Choi, PI
Dr. Khadijah Makky, core director

Oversight will be provided by Drs. SuJean Choi and Khadijah Makky. Dr. Makky qualifications include prior experience using flow cytometers (cell sorters). In addition, as the current Director of the Biomedical Sciences Molecular Core, Dr. Makky is also experienced in providing technical training to undergraduate students, graduate students, and faculty. Hence, she is well-positioned to provide the free hands-on training that will be provided by the Center to interested MU faculty and students.

BEYOND BOUNDARIES

The proposal addresses three key themes in Marquette's strategic plan include research in action, academic excellence for human well-being, and effective stewardship of institutional resources. The MU Cell Sorting Facility promotes human-disease related research efforts among a campus-wide group of scientists. For example, the themes of research in action and academic excellence for human well-being stem from the potential for the Center to promote current research efforts aimed at understanding and treating human disease. In addition, the Center represents an effective stewardship of institutional resources since the primary impact of the Center will be to advance existing research programs.