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Christopher McCulloh was responsible for design and implementation of the experiments and creation and revision of the manuscript. Jacob Olson contributed to implementation of the experiments as well as review and revision of the manuscript. Yijie Wang assisted with stem cell harvesting and review and revision of the manuscript. Jennifer Vu and Sarah Gartner assisted with implementation of the NEC model and review and revision of the manuscript. As Principal Investigator, Gail Besner oversaw the design and implementation of the experiment, and review and revision of the manuscript.

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