



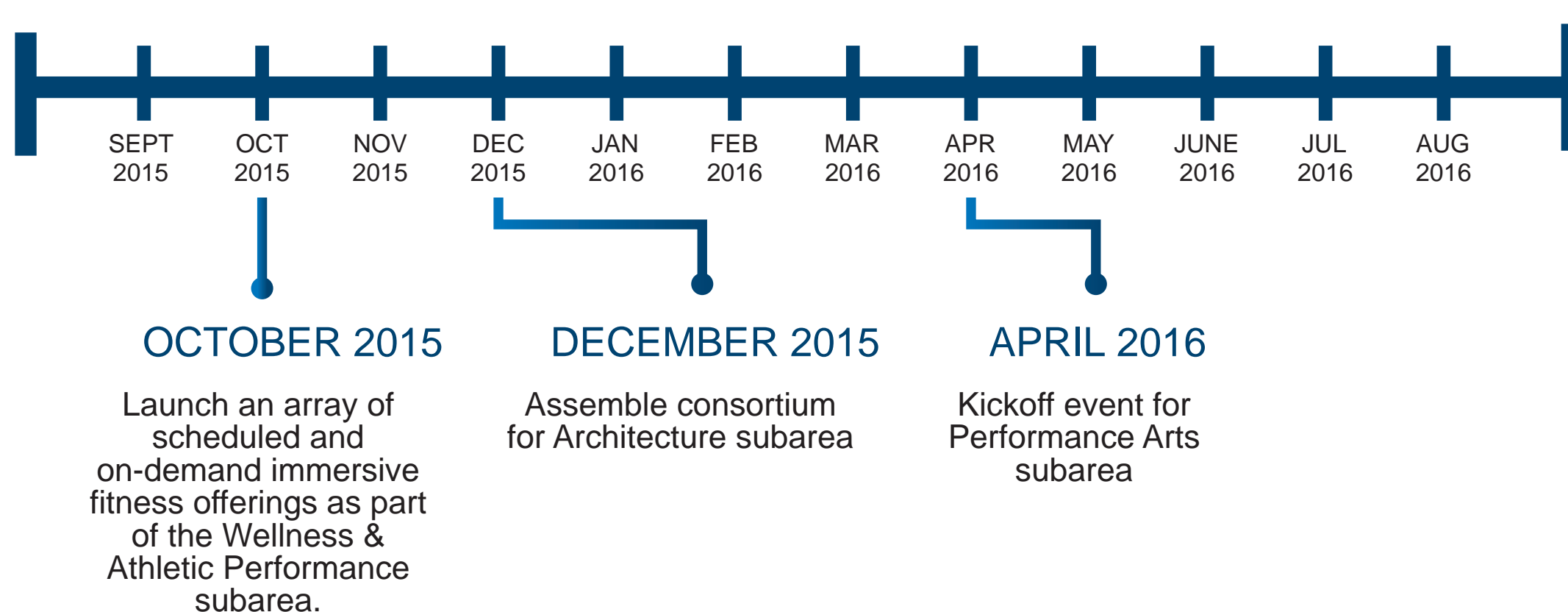
PARTNERSHIPS FOR EXCELLENCE THROUGH ADVANCED VISUALIZATION

The MARquette Visualization Lab is a state-of-the-art, \$1.2M, 1,700 sq ft space with computers, projectors, and other hardware and software to produce immersive (i.e. >180 degree field of view) virtual reality environments (see Figure). The facility can be used to walk through simulated buildings that do not yet exist, show blood flow through an artery in vivid 3D, or simulate the dangerous collapse of a building in an earthquake with no danger to the viewers. This project will focus on creating partnerships in subareas where MARVL research champions have already created impressive content that can now be tailored to industry. Additional subareas will be added each year to broaden opportunities for strategic partnerships in Southeastern Wisconsin. This approach is modeled after the 35-year success of the NSF Industry/University Cooperative Research Center Program that provides a structural template for industry collaboration and funding for university center operations.

ABOUT OUR TEAM

MARVL has demonstrated benefits for 8 subareas, and research champions have been identified. Many of these

MILESTONES



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Pursuit of Academic Excellence for Human Well-being