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Frontiers in Gene Editing

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Dr. Miceli received her BA from UCSD in Biochemistry and Cell Biology, her PhD from Duke University studying the role of T cells in human kidney allograft rejection (Olja Finn, mentor) and did postdoctoral work at Stanford elucidating molecular mechanisms of CD4, CD8, Lck and TCR coreceptor functions (Jane Parne's laboratory). In her own laboratory her group has identified mechanisms and modulators of TCR signal specificity and T cell function, with broad application to signal transduction in general. In 2007, with colleagues, Dr. Miceli founded the Center for Duchenne Muscular Dystrophy (CDMD), which formed and catalyzed new DMD team science approaches to translational research, drug discovery, and clinical trial development on campus and nationwide. Combining her expertise in these areas she is now focused on dystrophin replacement therapies and immune drivers of regeneration, fibrosis and muscle tissue tolerance.