



Dr. McCaffrey is the Director of Biology at TriLink BioTechnologies and an Adjunct Assistant Professor of Internal Medicine at the University of Iowa. His research has focused on the development and manufacturing of nucleic acid therapeutics. His research in this area began at an early antisense company called Genta in the late 80s. Later he studied ribozymes at the University of Colorado at Boulder. While a postdoctoral fellow in the laboratory of Mark Kay at Stanford University School of Medicine, Dr. McCaffrey conducted early in vivo studies of RNA interference as well as studies on innate immunity.

At UIOWA his research focused on genome editing with zinc-finger nucleases, microRNAs and RNA interference targeting hepatitis viruses. Most recently, at TriLink BioTechnologies, he established a program manufacturing GMP grade mRNAs for genome editing, gene replacement and vaccines. He also leads a research group investigating ways of manipulating the innate immune reaction to messenger RNAs.

