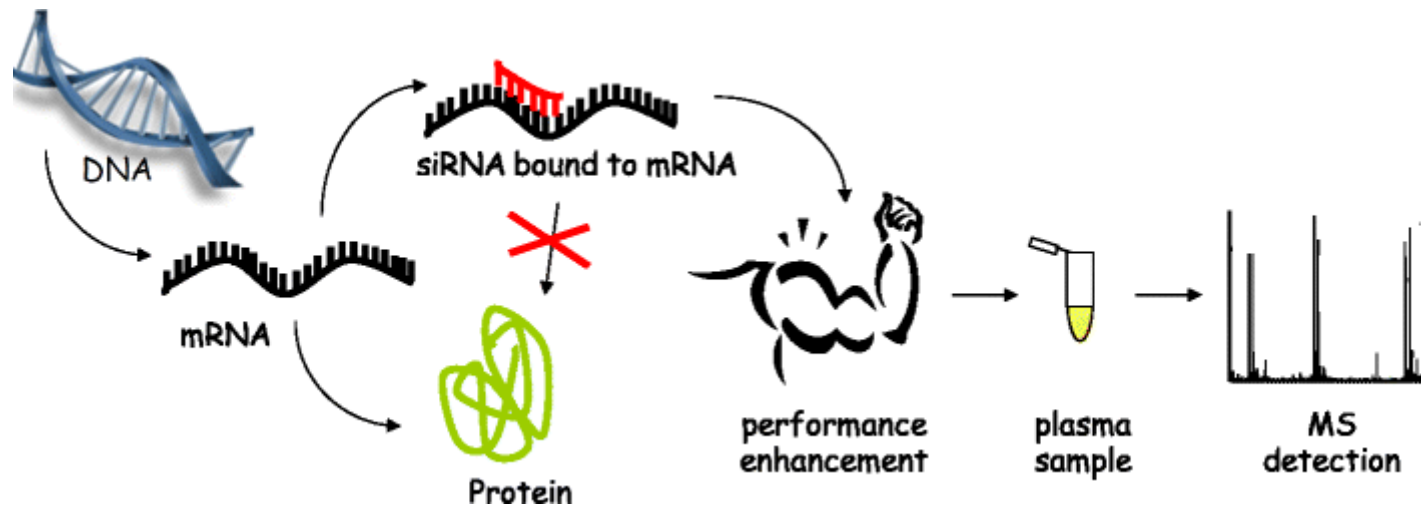


## Gene Doping with siRNA (small interfering RNA)



Online abstract figure A: method for the mass spectrometric detection of siRNA molecules in doping control is described. siRNA, which blocks the translation of genes, could be used by athletes for illicit performance enhancement by e.g. down-regulating the myostatin gene for enhanced muscle growth.

### Literatur:

*Kohler M, Thomas A, Walpurgis K, Schänzer W, Thevis M.*

*Mass spectrometric detection of siRNA in plasma samples for doping control purposes.*

*Anal Bioanal Chem, 2010 Jul 25, online doi 10.1007/S00216-010-4013-0*