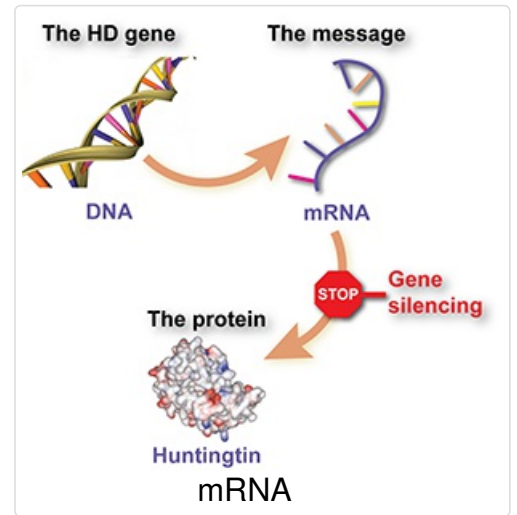




Dr Nayana Lahiri 2012 10 12  
 Dr Ed Wild ; Jianfang Chen  
 2012 9 24



DNA RNA  
 DNA DNA C A G T  
 DNA A T C G  
 DNA DNA RNA mRNA RNA DNA  
 mRNA mRNA

mRNA

RNA RNA siRNA ( ). RNA RNA  
 RNA mRNA mRNA

RNA

mRNA

siRNA

siRNA

siRNA

siRNA

RNA

siRNA

RNA

David Corey

ISIS




" "

Corey siRNA siRNA

siRNA siRNA siRNA

siRNA CAG

siRNA mRNA

	siRNA	mRNA		
		Stable in cells?	Good silencing?	Spreads far?
	Double-stranded siRNA	✓	✓	✗
	Single-stranded siRNA	✗	✗	✓
	Modified Single-stranded siRNA	✓	✓	✓
	siRNA	RNA		

RNA

CAG siRNA

siDNA

siRNA

siRNA

siRNA

siRNA

siRNA

DNA “ ”

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