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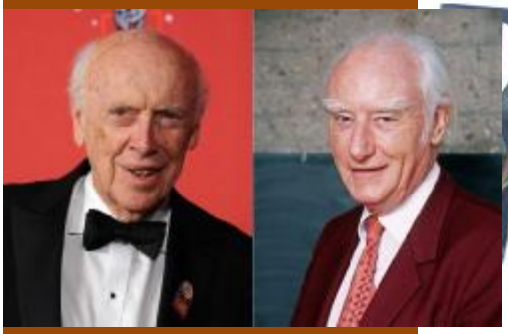
Le génome



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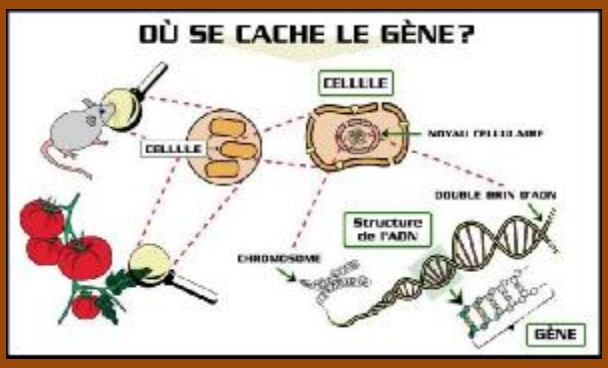
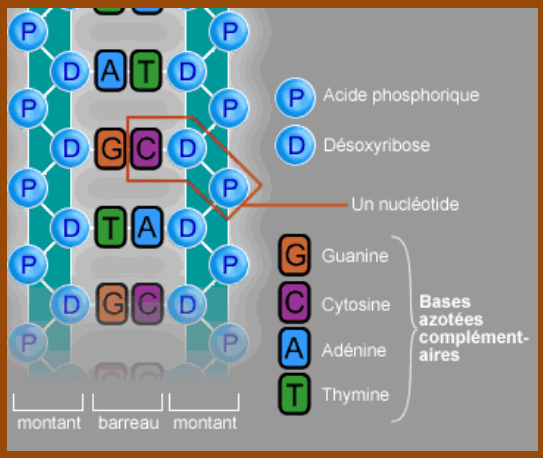
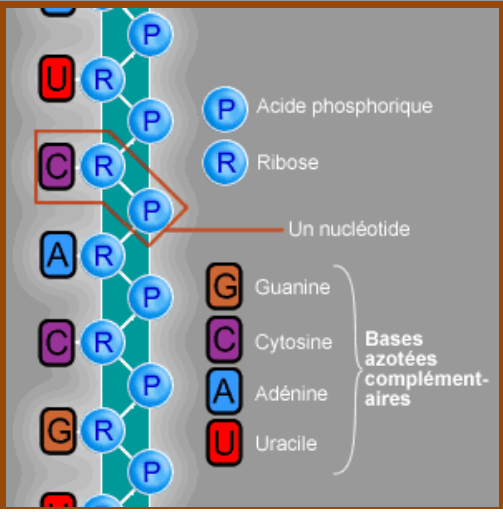
Les acides nucléiques







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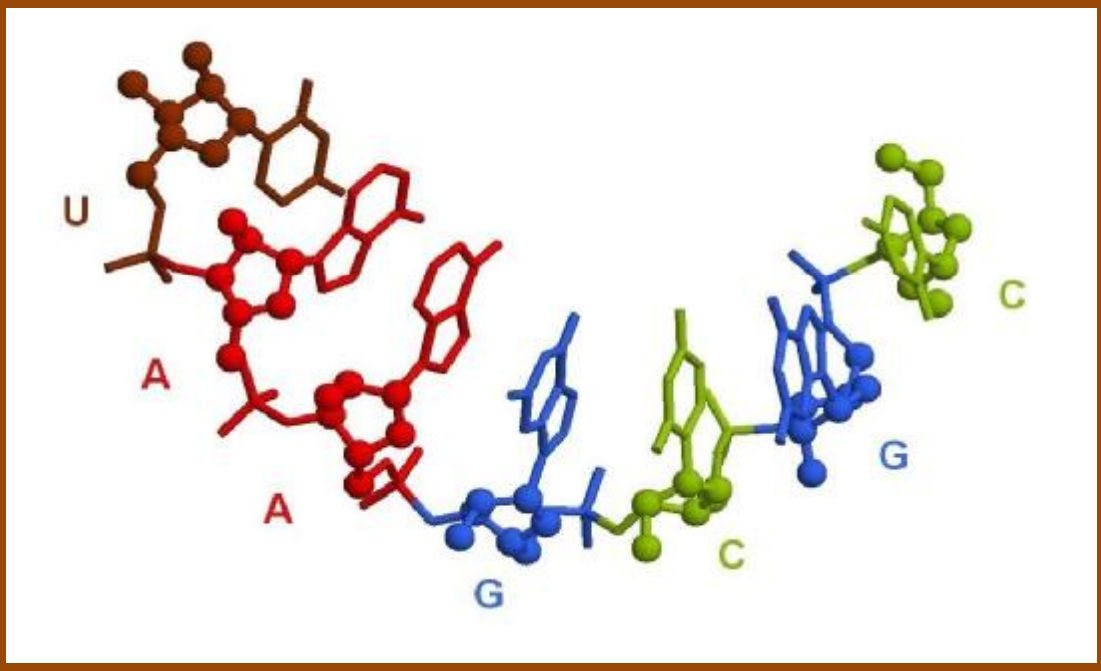
Structure des bases



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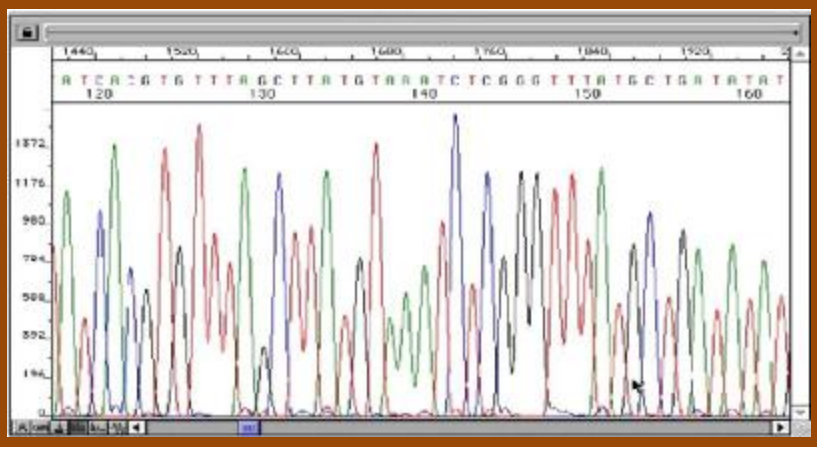
Le code génétique

Le code génétique

Deuxième nucléotide

Premier nucléotide	U		C		A		G		Troisième nucléotide
U	UUU	phényl-alanine	UCU	sérine	UAU	tyrosine	UGU	cystéine	U
	UUC		UCC		UAC		UGC		C
	UUA	leucine	UCA		UAA	STOP	UGA	STOP	A
	UUG		UCG		UAG		UGG	tryptophane	G
C	CUU	leucine	CCU	proline	CAU	histidine	CGU	arginine	U
	CUC		CCC		CAC		CGC		C
	CUA		CCA		CAA	glutamine	CGA		A
	CUG		CCG		CAG		CGG		G
A	AUU	isoleucine	ACU	thréonine	AAU	asparagine	AGU	sérine	U
	AUC		ACC		AAC		AGC		C
	AUA		ACA		AAA	lysine	AGA	arginine	A
	AUG	méthionine	ACG		AAG		AGG		G
G	GUU	valine	GCU	alanine	GAU	acide aspartique	GGU	glycine	U
	GUC		GCC		GAC		GGC		C
	GUA		GCA		GAA	acide glutamique	GGA		A
	GUG		GCG		GAG		GGG		G



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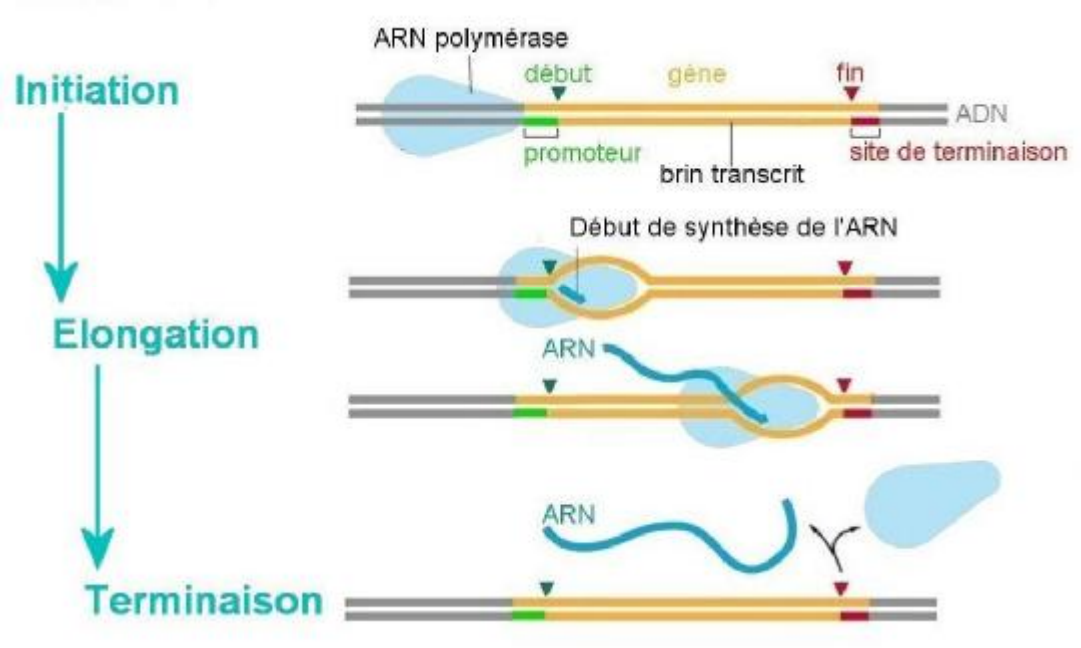
La transCRIPTION



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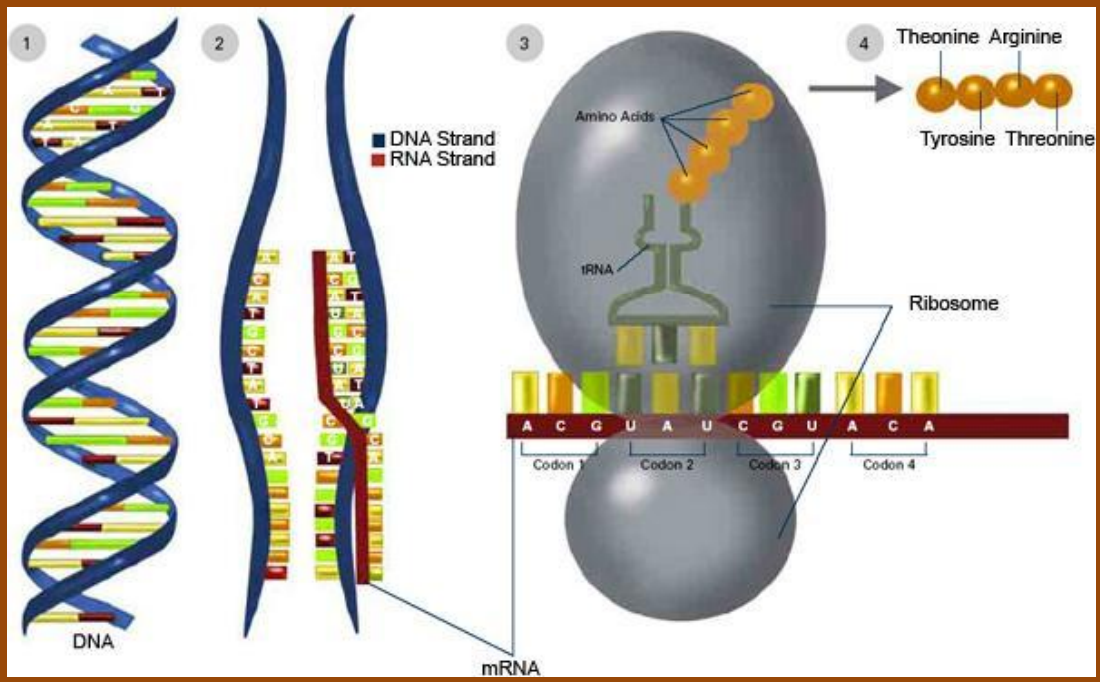
La transLATION



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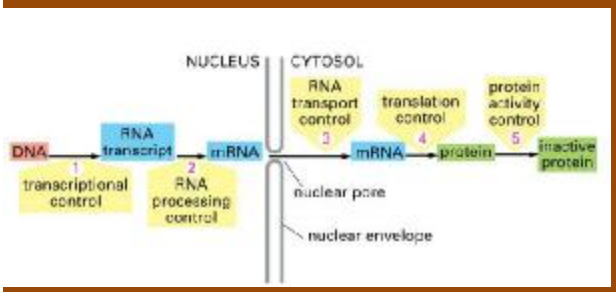
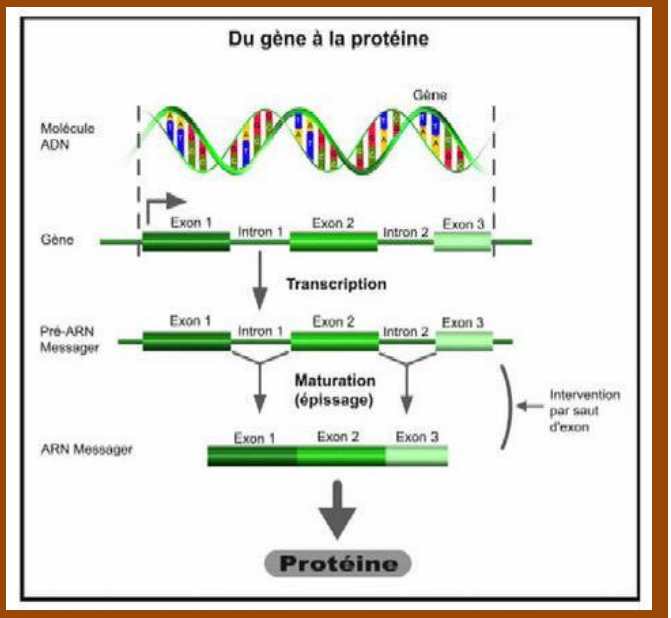
Traduction des gènes





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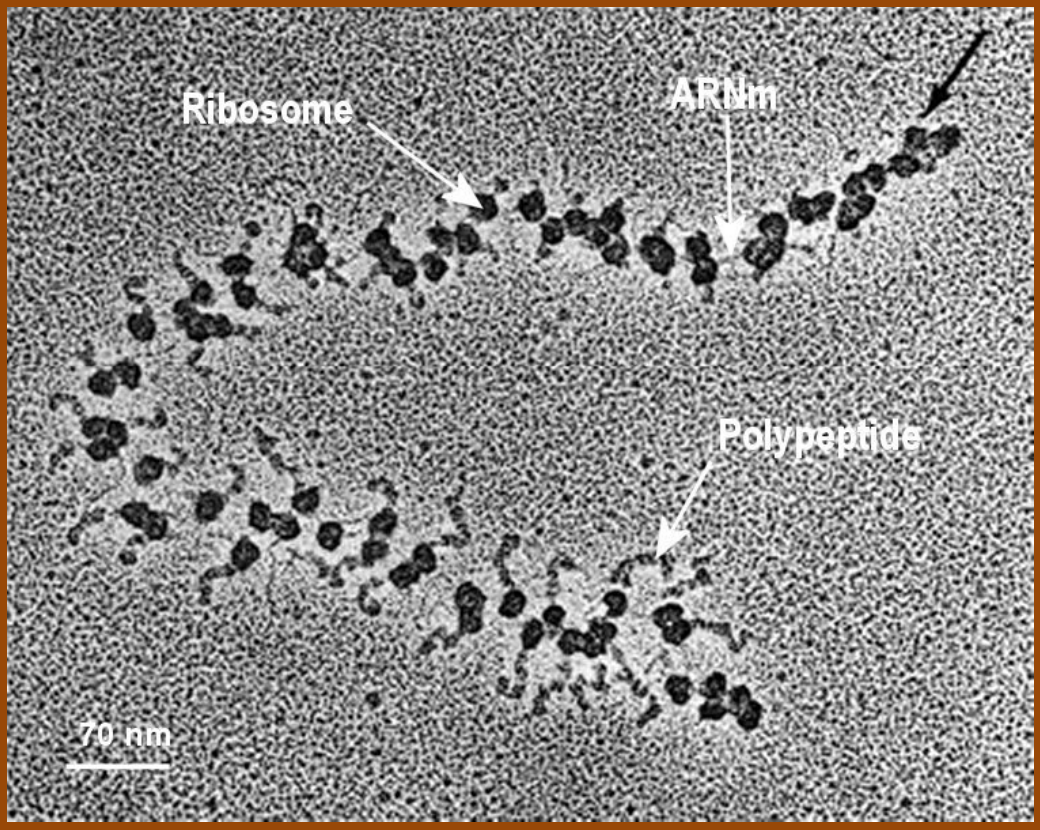
La synthèse des peptides



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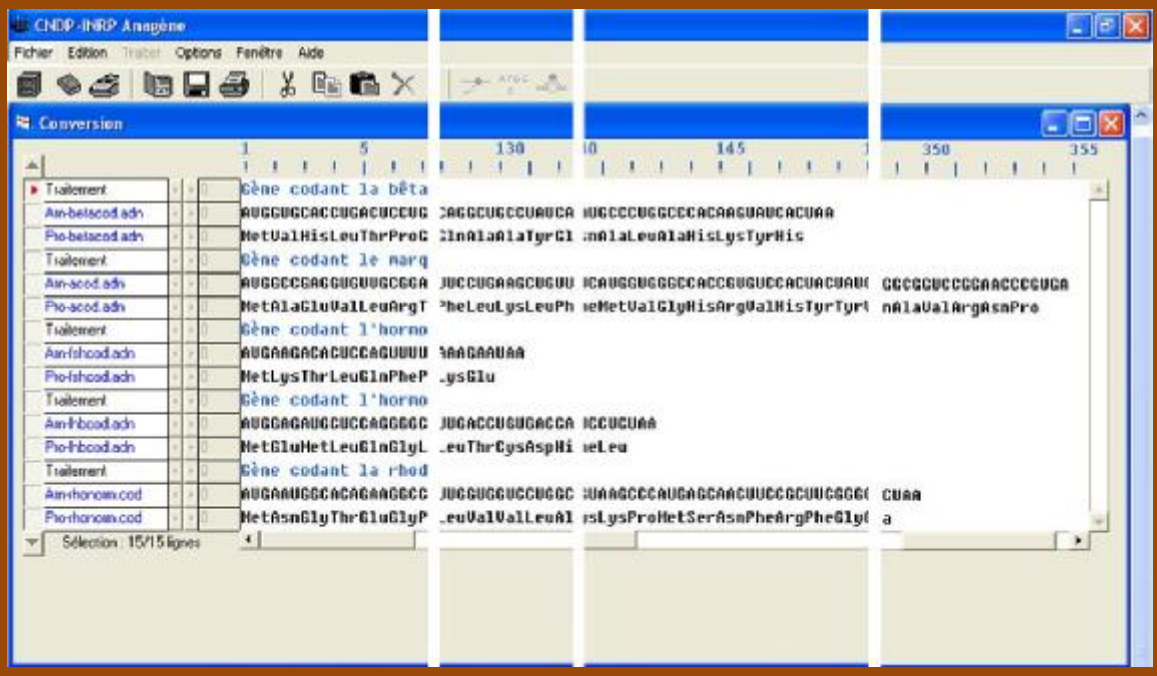
La synthèse d'ADN



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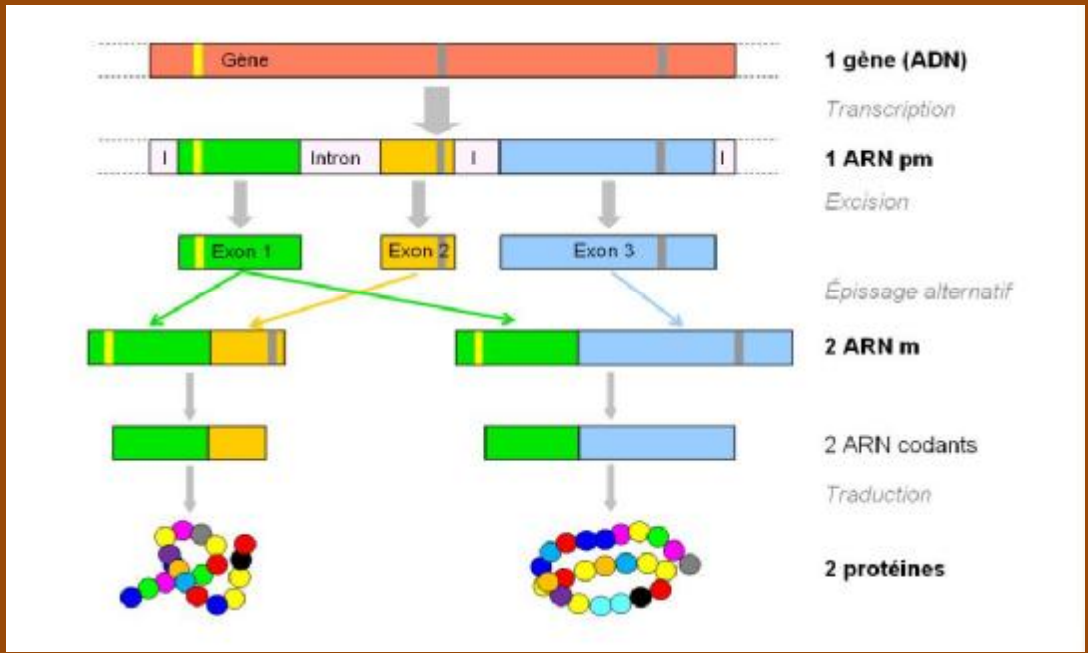
Gènes complexes



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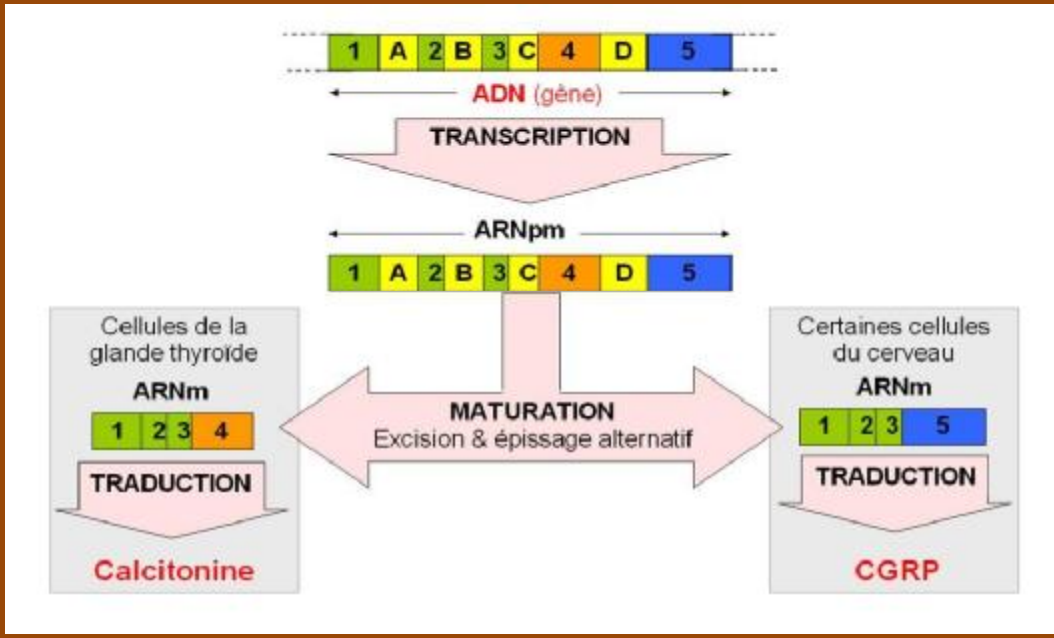
Traductions complexes



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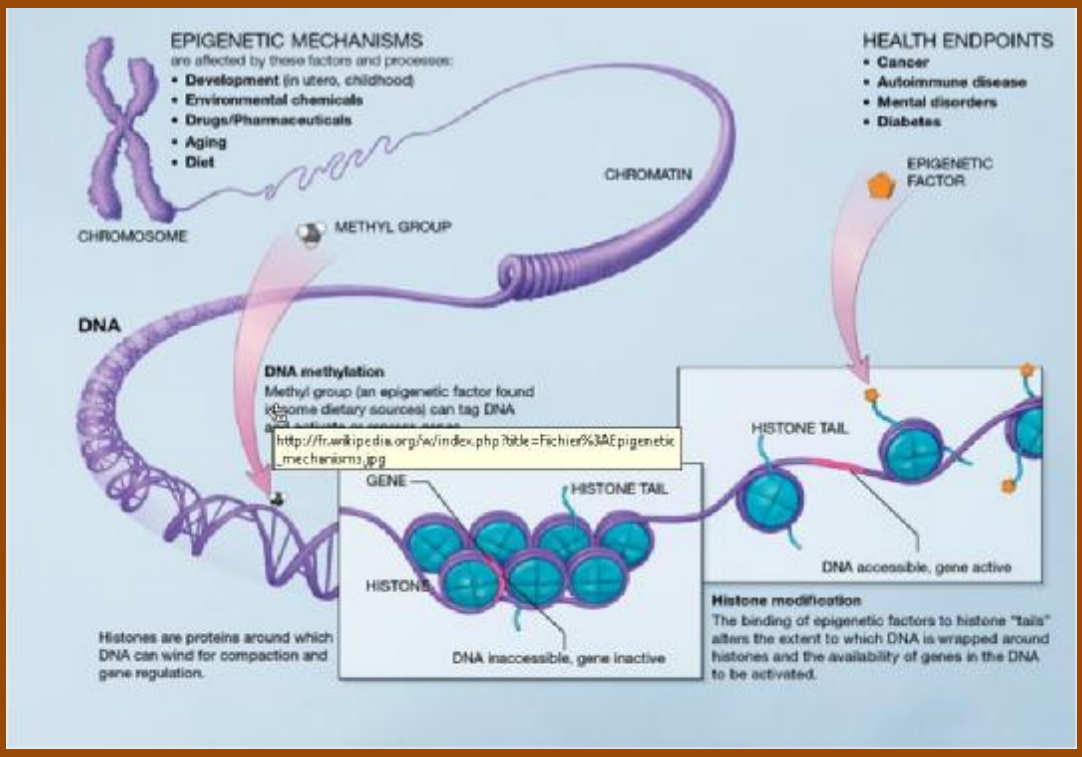
Contrôles épigénétiques



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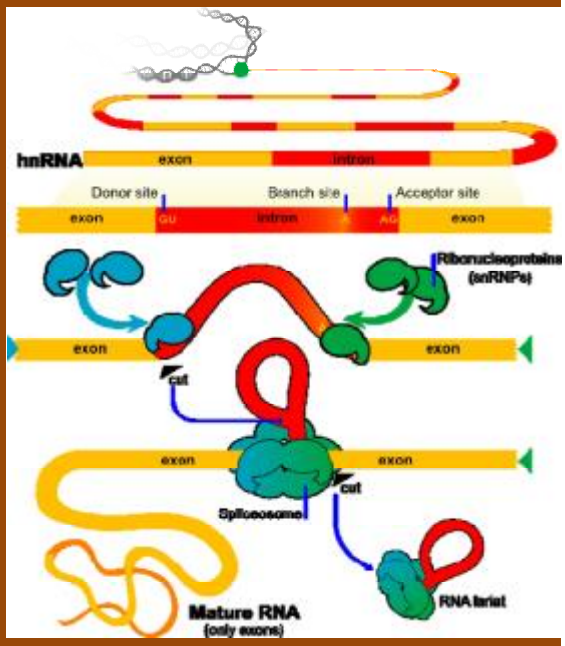

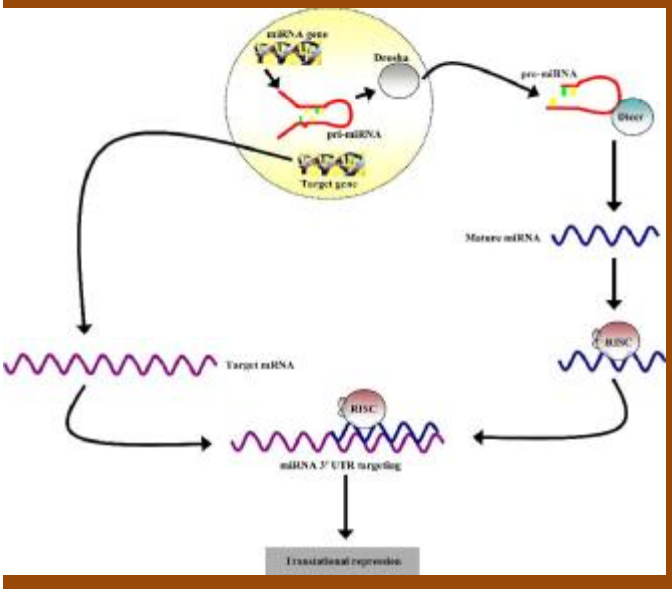

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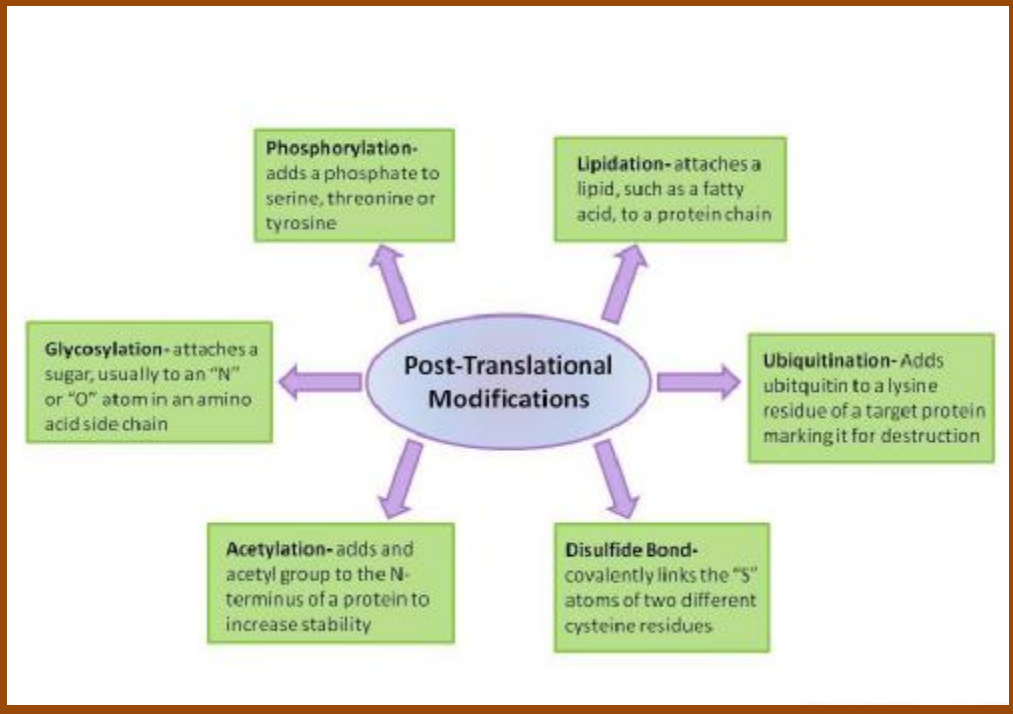

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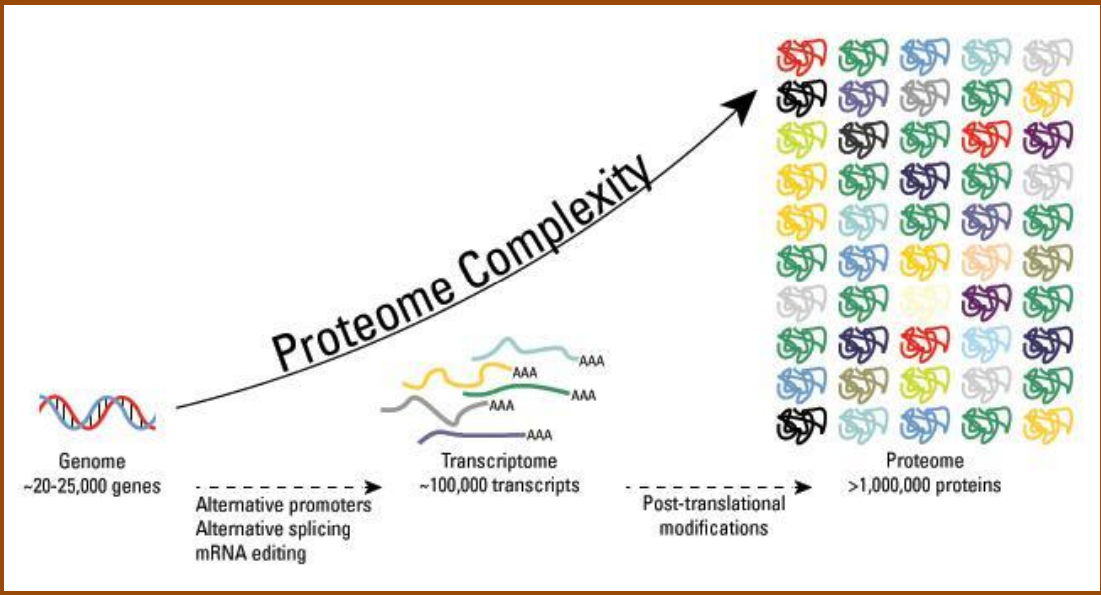

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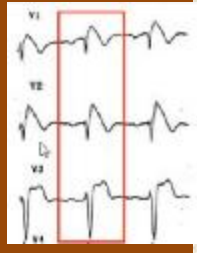
Maladies génétiques



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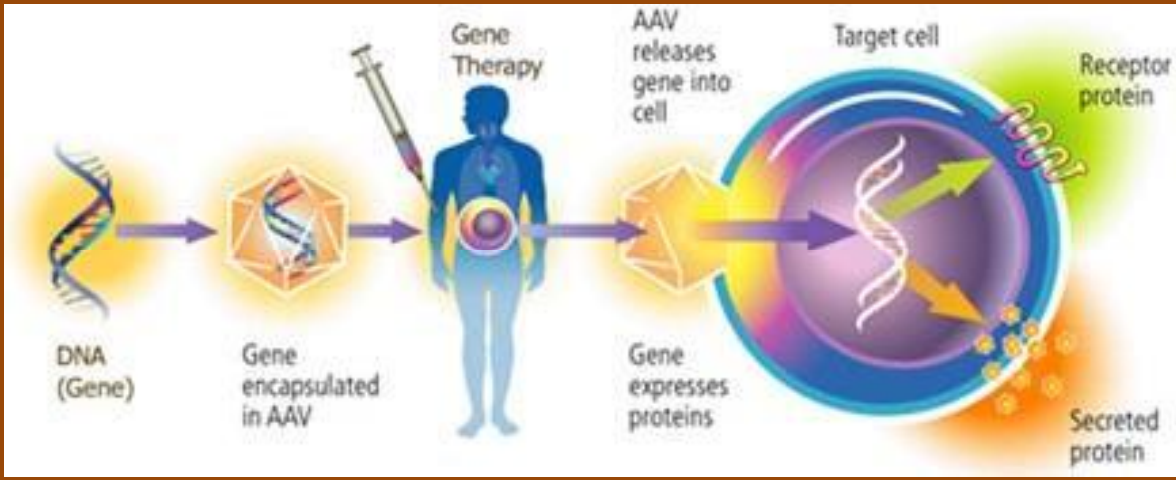
Principes de la Thérapie Génique



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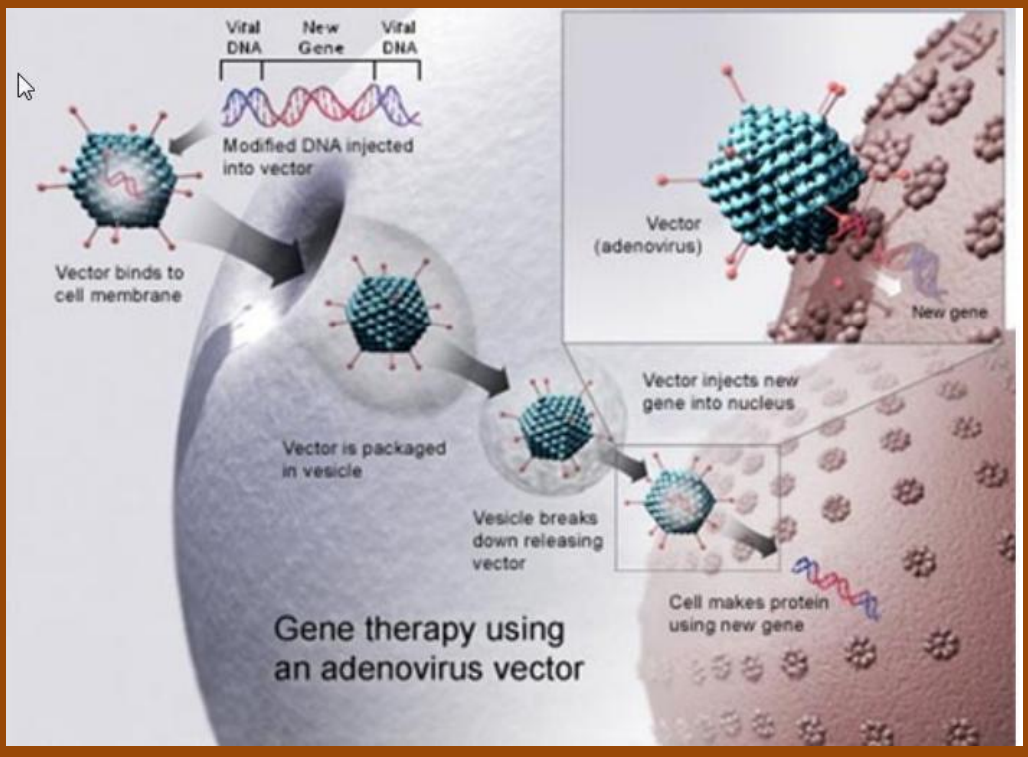
Vecteur viral



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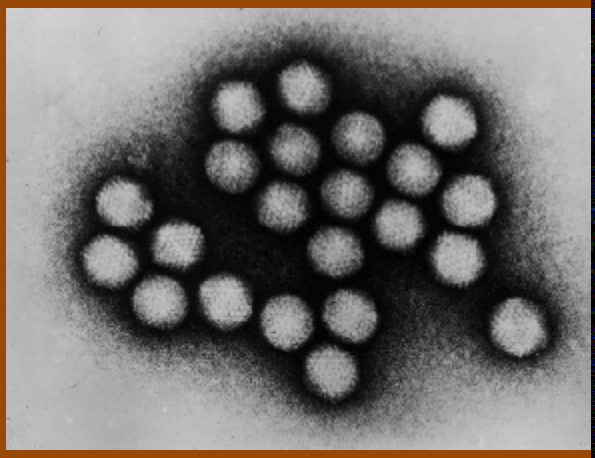
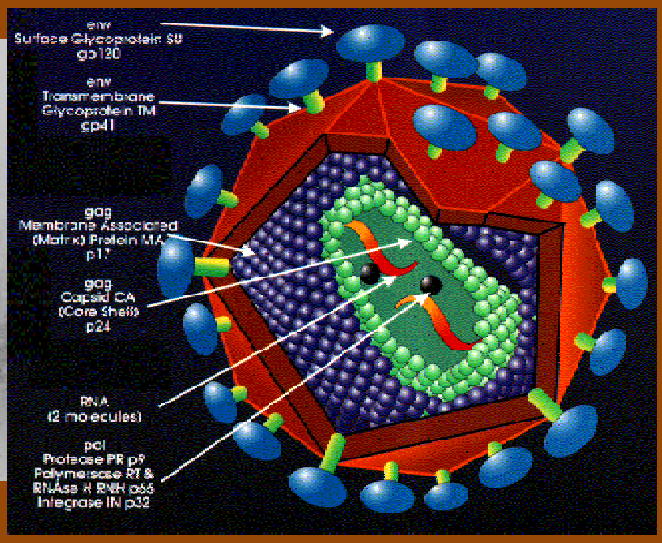
Vecteur viral





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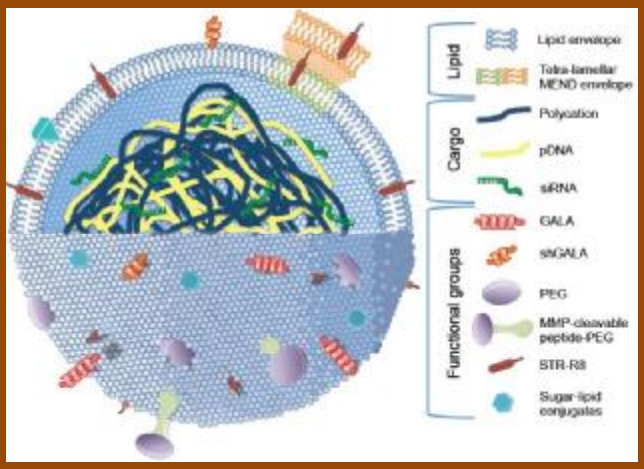
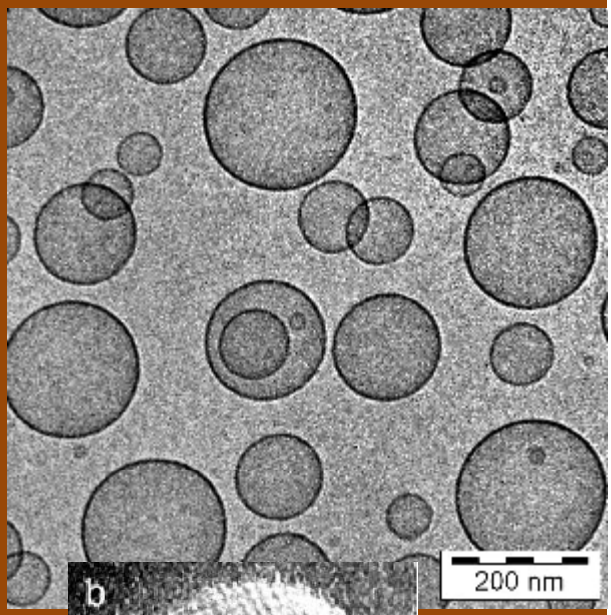
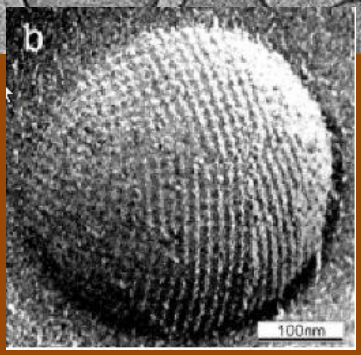
Vecteur Liposome







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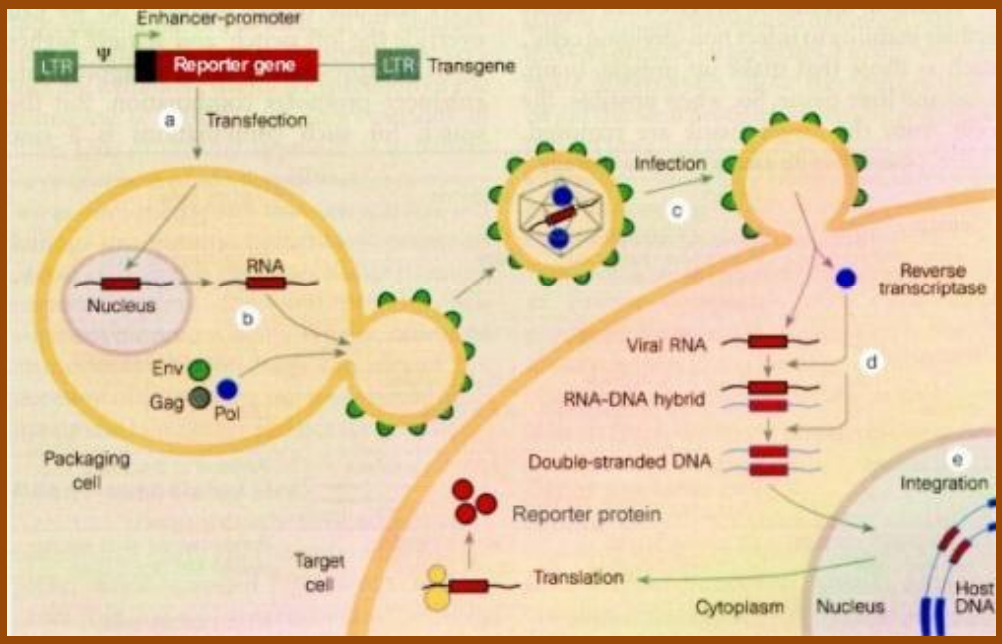
Principe de l'intégration d'un gène



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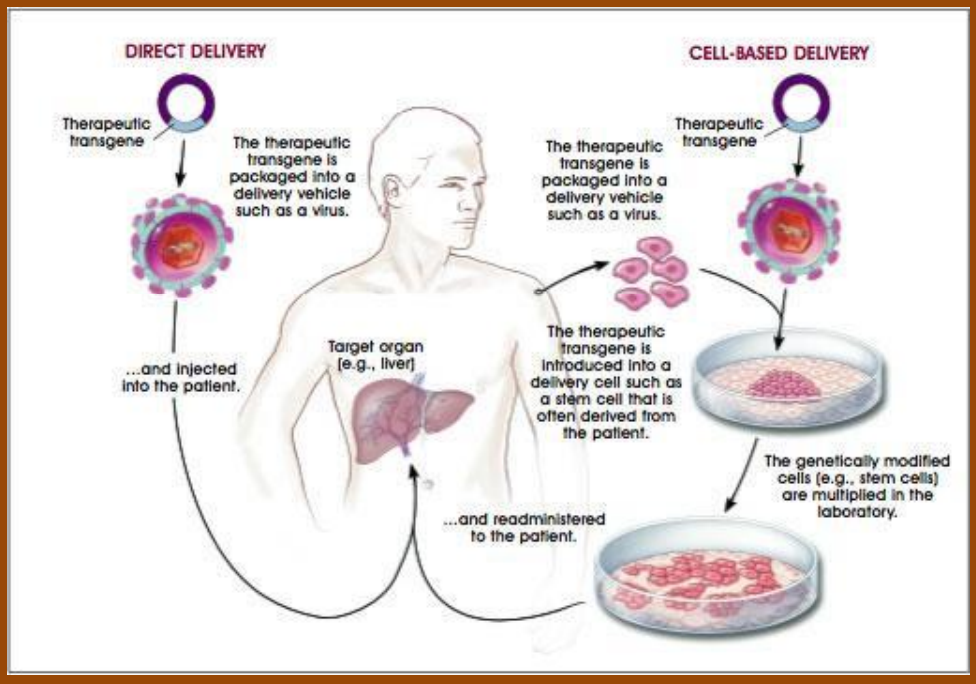
Modes d'adminitration



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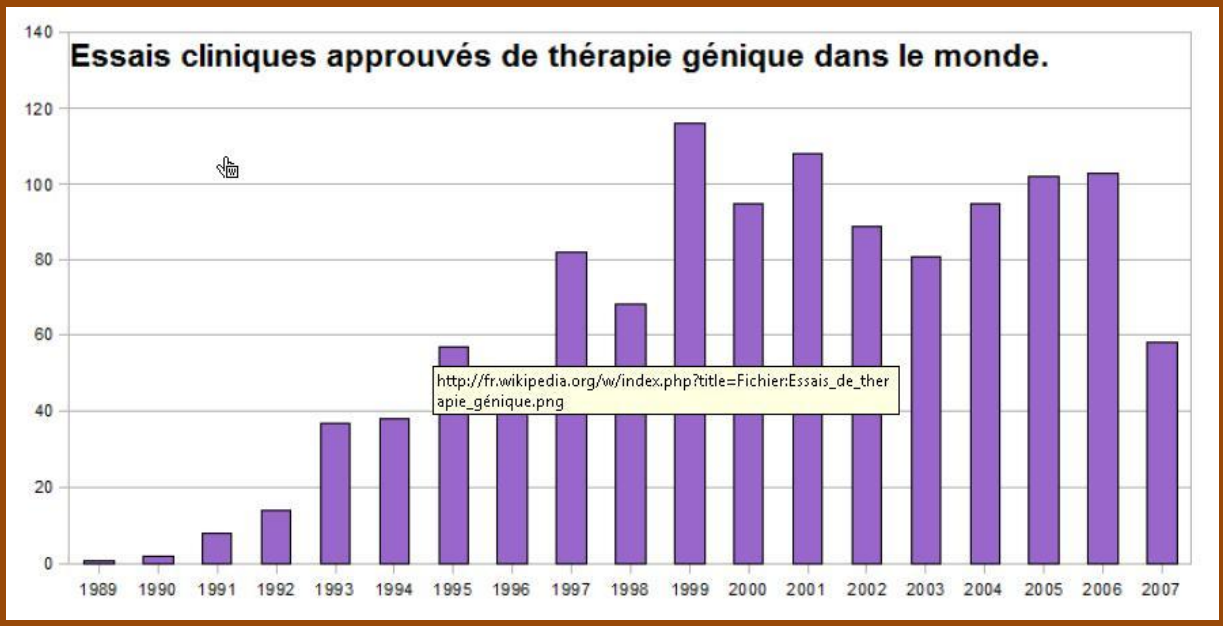

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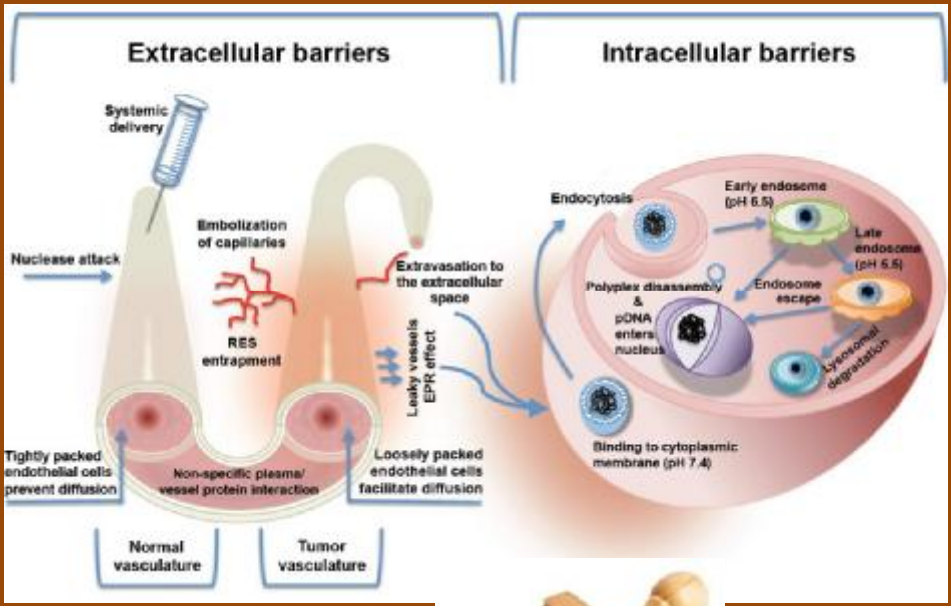
Les difficultés de la thérapie génique



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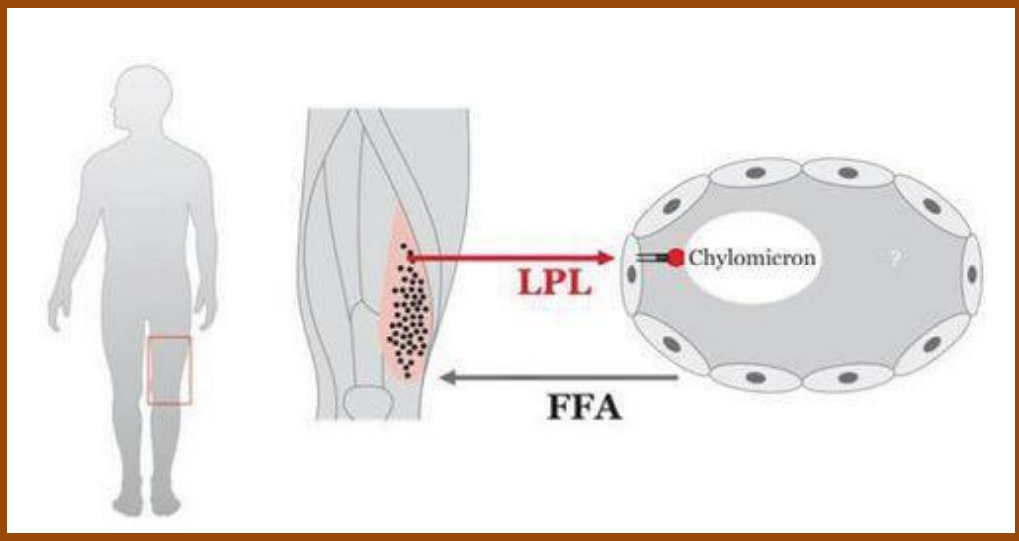

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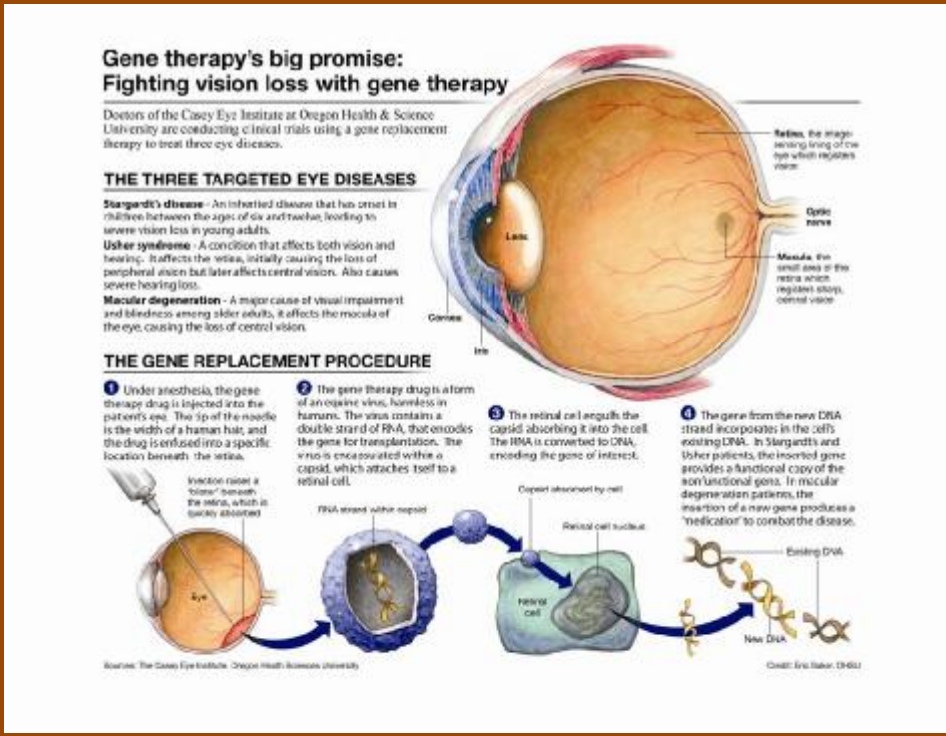

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Infarctus & Angiogenèse: Thérapie génique = apprenti-sorcier ?