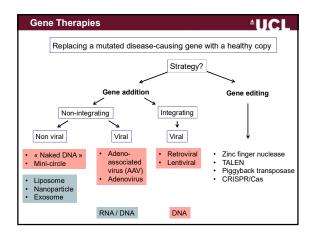


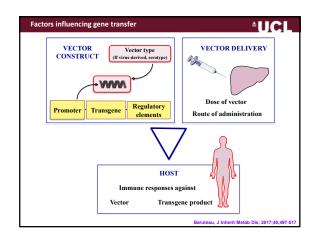




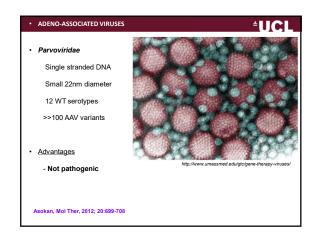


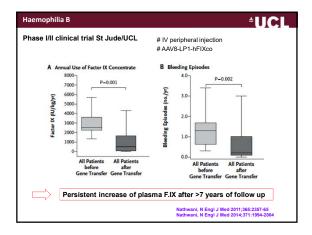
Highly vascularised
 Fenestrated endothelium
 Tolerogenic properties

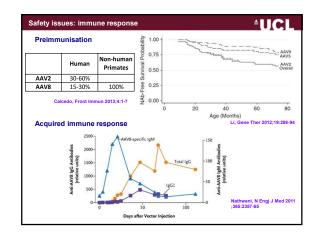


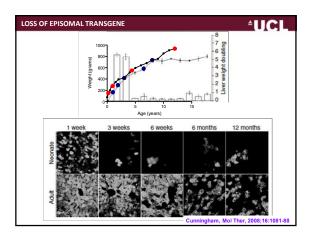


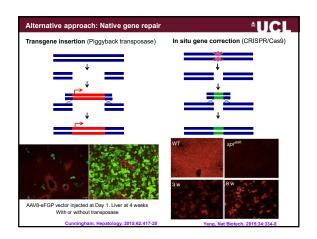
	Non viral	Retrovirus (lentivirus)	Adenovirus	Adeno-associated virus
Derived from pathogenic virus	No	Yes	Yes	No
Size of transgene	No limit	8 kb	7.5 kb	4.7 kb
Insertion to host genome	No	Yes	No	Rarely
Achievable titre	High	Low	High	High
Long-lasting transgene expression	No	Yes	Yes	Yes
Target dividing and non- dividing cells	Yes	Yes	Yes	Yes
Safety issues	No	Insertional mutagenesis	Inflammation	Insertional mutagenesis

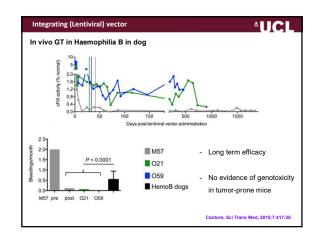


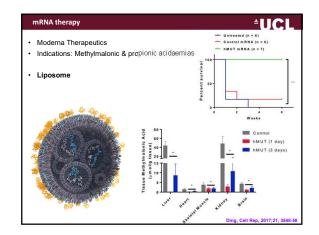


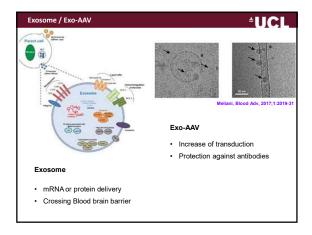


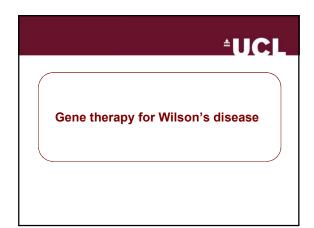


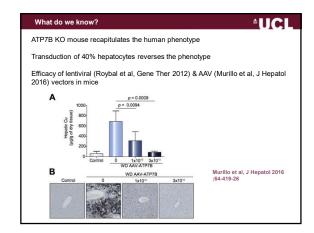


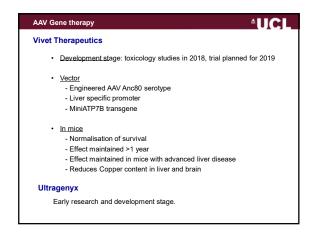




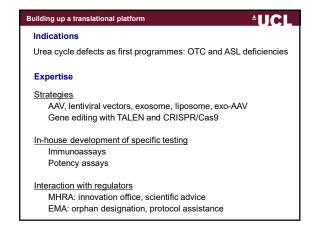


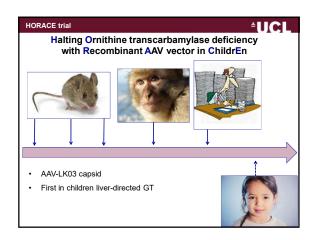






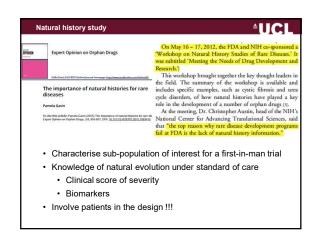












Pevelopment strategy • Target: where are the most unmet needs? • Reliable animal model • Anticipate manufacturing early • Scalability • Characterisation: purity, potency, stability • Reproducibility

