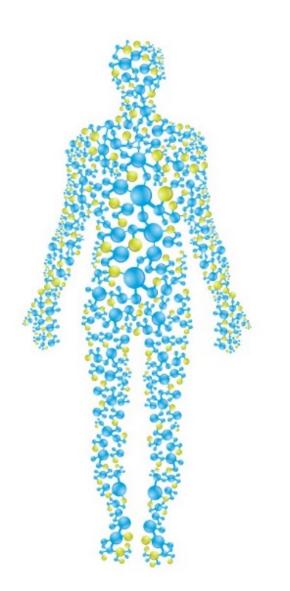
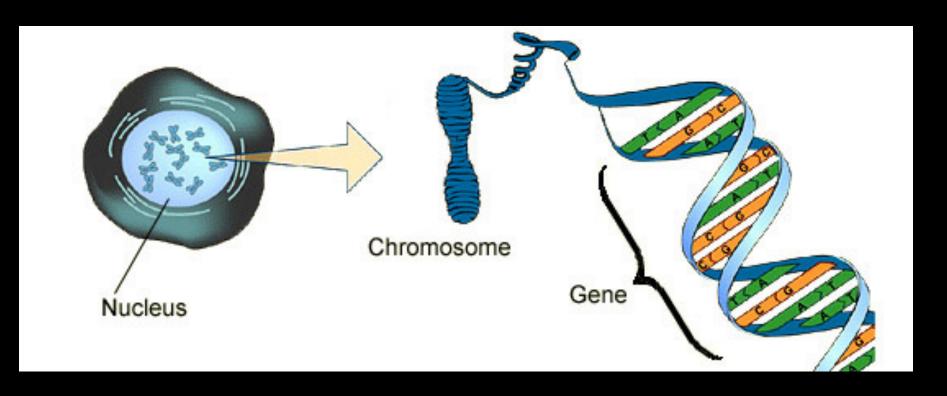
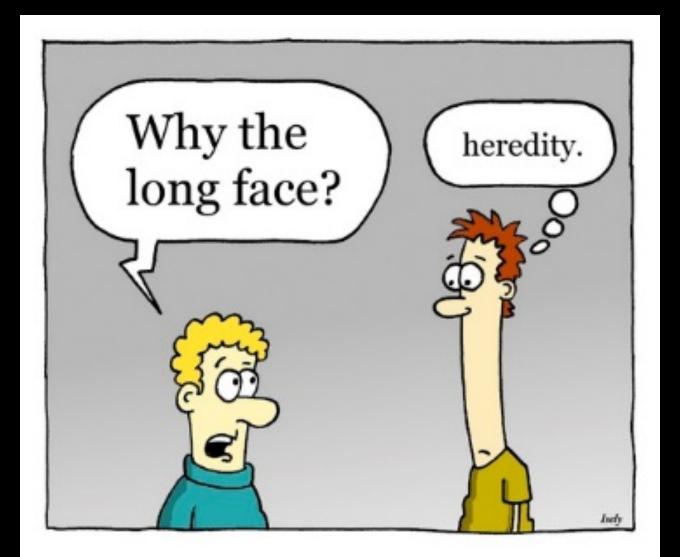
USH Talks

Genetics 101



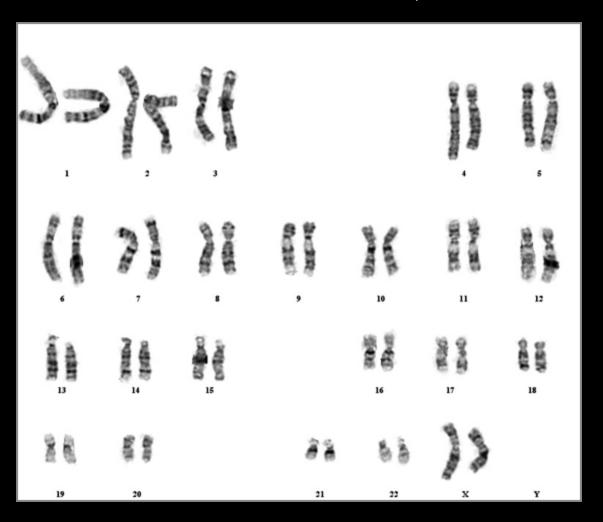




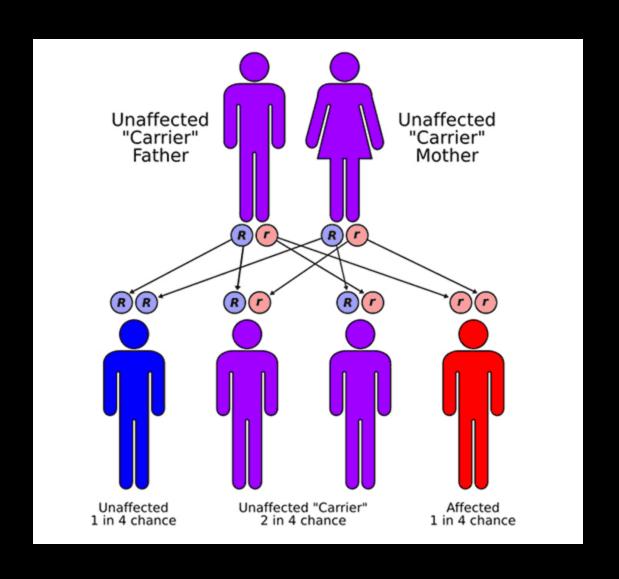


Chromosomes

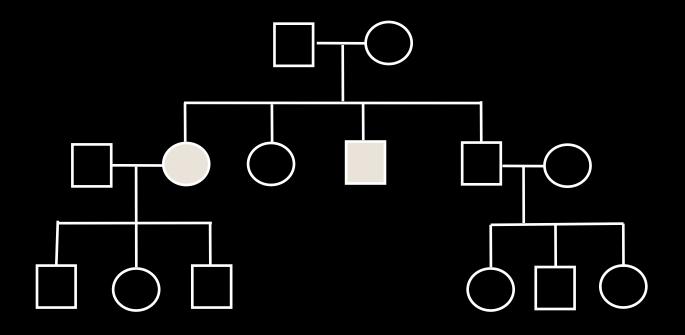
Normal female: 46,XX



Usher syndrome Inheritance: Autosomal Recessive



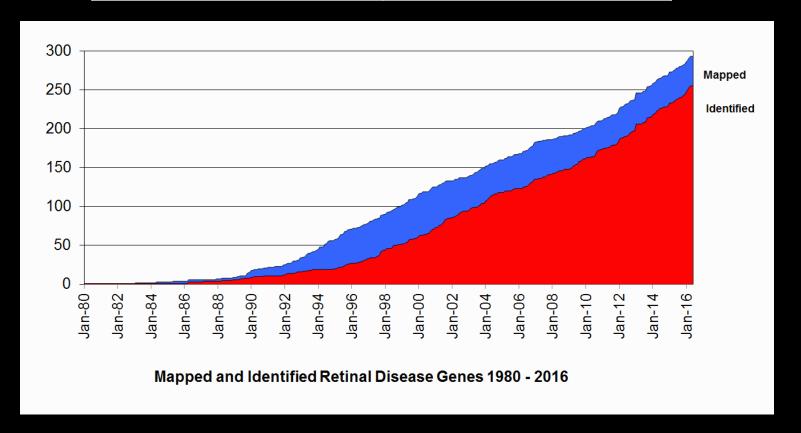
Recessive Inheritance





Usher syndrome genes

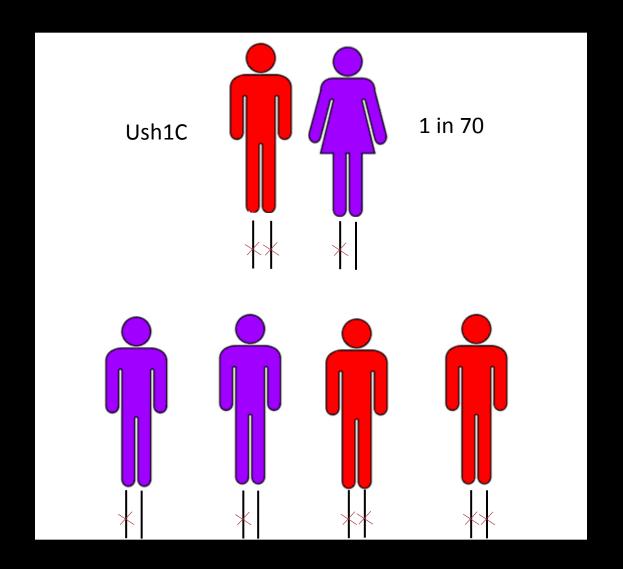
Total # of Mapped Genes	Identified Genes
15	11+



Usher syndrome type 1

Usher syndrome subtype	Gene Name	Relative Incidence
USH1B	MYO7A	50-60%
USH1C	Ush1C	6-7%
USH1D	CDH23	15-20%
USH1E	?	Rare
USH1F	PCDH15	10-15%
USH1G	SANS	~7%
USH1H	?	?
USH1J	CIB2	?
USH1K	?	?

Ush1C in Louisiana



Usher syndrome types 2 & 3

Usher syndrome subtype	Gene Name	Relative Incidence
USH2A	Ush2A	~80%
USH2C	VLGR1 (GPR98)	~15%
USH2D	WHRN	~5%
USH1E	Unknown	Rare

Usher syndrome subtype	Gene Name	Relative Incidence
USH3A	CLRN1	>95%
USH3B	HARS	Rare



USHER SYNDR ME

INFORMEDDNA

Healthcare, Personalized.