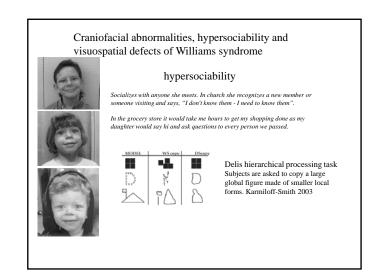
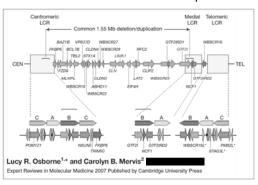
GTF2IRD1 a gene involved in Williams-Beuren syndrome also has a role in muscle development



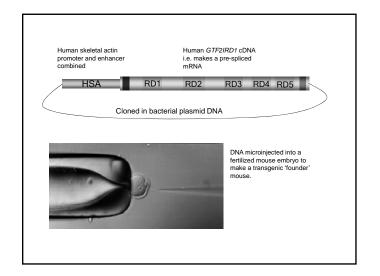


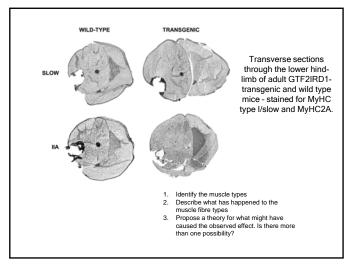
Williams syndrome is caused by a hemizygous microdeletion within Chr 7q11.23

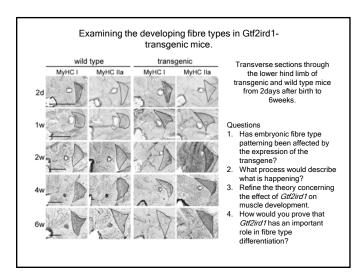


Human GTF2IRD1 protein

Found in the nucleus
Can bind to DNA
Was found to bind to the *TNNI1* upstream enhancer and is expressed during myogenesis – a possible protein X?







Ouestions

- 1. Briefly; what is a myotube and how is it formed?
- 2. What changes would I expect to see in the muscle fibre types in my legs if I:
 - a) Suffered a spinal cord injury
 - b) Took up marathon running