CBG.13 Meiosis and Linkage

<u>Meiosis</u>



Objectives:

- Discuss the stages, key events and outcomes of meiosis
- Argue that behaviour of chromosomes during meiosis can explain the patterns of inheritance posited by Mendel
- Discuss that genes showing linkage are present on the same chromosome (syntenic) and are always inherited together unless there are 'cross-overs' resulting in genetic recombination
- Discuss that genes further apart have a higher likelihood of crossing over and so the frequency of recombinant progeny (%Rf) produced is much higher than for genes closer together