

## Worksheet for lecture 12

- Draw the ventral (anterior) surface of the brainstem. Label the midbrain, pons and medulla.
- Draw outlines of cross sections of the upper midbrain lower midbrain, pons, upper medulla, lower medulla and spinal cord.
  - Indicate the position of the IV ventricle in the appropriate cross sections.
  - Draw the outline of major grey matter landmarks in each cross section. You might want to include:
    - spinal grey (dorsal horn, ventral horn and central grey)
    - dorsal column nuclei (gracilis nucleus and cuneate nucleus)
    - inferior olivary nucleus
    - basalar pontine nuclei
    - inferior colliculus
    - superior colliculus
    - red nucleus
    - substantia nigra
  - Draw the outline of major axon tracks in each cross section. You could color code ascending (sensory) tracks and descending (motor) tracks. You might want to include:
    - dorsal columns
    - spinothalamic tract
    - medial lemniscus
    - corticospinal tracts (cerebral peduncles, pyramids, decussation of the pyramids, lateral corticospinal tract, anterior corticospinal tract)
    - spioncerebellar tracts
    - cerebellar peduncles (superior, middle and inferior)