



Cover legend: This image highlights some of the complexity of the lumbar spinal cord in an adult rat.

The cross section shows diverse populations of neurons (red) surrounded by catecholaminergic axons (green). Smaller neurons are located dorsally (toward the top of the image) while larger neurons (putative motor neurons, purple) are more ventral. Diverse cholinergic neurons (blue), including motor neurons, are distributed through the dorsal, intermediate, and ventral parts of the spinal cord. Spinal neurons receive heterogeneous input from the brain, other spinal levels, and primary afferents (note the small piece of dorsal root tissue attached on the left dorsal surface). The highly diverse populations of spinal interneurons are described in the Minisymposium Review article by Zholudeva et al. (pages 845–854).

Cover Image: Lyandysha V. Zholudeva.

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