



# Neurons in the lateral part of the lumbar spinal cord show distinct novel axon trajectories and are excited by short propriospinal ascending inputs

**Zs. Antal • L. L. Luz • B. V. Safronov • M. Antal • Peter Szucs**

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## **Erratum to: Brain Struct Funct DOI 10.1007/s00429-015-1046-3**

Unfortunately, Table 1 and the legend have been incorrectly published in the original publication. The correct version is given below.

**INSTITUTO  
DE INVESTIGAÇÃO  
E INOVAÇÃO  
EM SAÚDE  
UNIVERSIDADE  
DO PORTO**

Rua Alfredo Allen, 208  
4200-135 Porto  
Portugal  
+351 220 408 800  
info@i3s.up.pt  
[www.i3s.up.pt](http://www.i3s.up.pt)

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**Table 1** Position, somatodendritic type and axon trajectory of the recovered neurons

| cell No | position | soma / dendrite<br>(Lima and Coimbra,<br>1986) | axon             |              |                           | 3-D |
|---------|----------|--|------------------|--------------|---------------------------|-----|
|         |          |  | midline crossing | ascending    | ipsilateral collaterals   |     |
| 1       | L-I      | flattened                                      | AC               | c-ALT        | DCT                       |     |
| 2       | L-I      | fusiform                                       | AC               | c-ALT        | MCT                       |     |
| 3       | L-I      | flattened                                      | AC               | c-ALT        | -                         |     |
| 4       | L-I      | flattened                                      | AC               | c-ALT        | LCT                       |     |
| 5       | L-I      | Flattened                                      | -                | -            | LCN                       |     |
| 6       | OUT      | NA   | AC               | c-ALT        | -                         |     |
| 7       | OUT      | pyramidal                                      | AC               | c-ALT        | MCT                       |     |
| 8       | OUT      | NA   | PC-AC            | i-ALT        | L-III/IV, L-X             | +   |
| 9       | OUT      | NA   | PC               | c-ALT        | L-IV                      | +   |
| 10      | OUT      | multipolar                                     | -                | -            | LCN                       | +   |
| 11      | OUT      | NA   | AC               | c-ALT        | MCT                       |     |
| 12      | OUT      | NA   | AC               | c-ALT        | DCT                       |     |
| 13      | OUT      | NA   | AC               | c-ALT        | -                         |     |
| 14      | OUT      | flattened                                      | AC               | c-ALT        | LCT                       |     |
| 15      | OUT      | NA   | PC               | c-ALT        | -                         |     |
| 16      | OUT      | NA   | AC               | c-ALT, i-DLF | DLF-caudal, L-I, L-III/IV | +   |
| 17      | OUT      | NA   | AC               | c-ALT, i-DLF | Lissauer-tract            | +   |
| 18      | OUT      | NA   | -                | -            | LCN                       |     |
| 19      | OUT      | NA   | PC-AC            | i-ALT        | L-III/IV                  | +   |
| 20      | OUT      | NA   | PC-AC            | i-ALT        | L-III/IV, L-X, L-VII      | +   |
| 21      | OUT      | NA   | PC               | c-ALT        | L-II                      | +   |
| 22      | OUT      | NA   | PC               | c-ALT        | L-III/IV*, L-X*           | +   |
| 23      | OUT      | NA   | AC               | c-ALT        | MCT                       |     |
| 24      | LSN      | NA   | PC               | c-ALT        | DLF, L-X                  | +   |
| 25      | LSN      | NA   | AC               | c-ALT, i-DF  | DLF-caudal                | +   |
| 26      | LSN      | NA   | AC               | c-ALT, i-DF  | DLF-caudal                | +   |
| 27      | LSN      | NA   | PC-AC            | i-ALT        | -                         | +   |
| 28      | LSN      | NA   | PC               | c-ALT        | L-VII                     | +   |
| 29      | LSN      | NA   | -                | -            | LCN                       |     |
| 30      | LSN      | NA   | PC               | c-ALT        | L-V, VI, L-X              | +   |
| 31      | LSN      | NA   | AC               | c-ALT        | MCT                       |     |
| 32      | LSN      | NA   | PC-AC            | i-ALT        | L-V/VI                    | +   |

Blue values indicate neurons with a projection axon crossing in the posterior commissure and ascending in the c-ALT. Red values indicate double crossing, i-ALT ascending neurons. Green values indicate neurons with bilateral (ipsi and contra) ascending axon

L-I lamina I, OUT between the lateral edge of the dorsal grey and the LSN, LSN lateral spinal nucleus, NA not applicable, AC anterior commissure, PC posterior commissure, c-ALT contralateral anterolateral tract, i-ALT ipsilateral anterolateral tract, DLF dorsolateral funiculus, DF dorsal funiculus, L-I-X lamina I-X, 3-D neuron reconstructed in three-dimensions with Neurolucida, DCT dorsal collateral type projection neuron (see Szucs et al. 2010), MCT mixed collateral type projection neuron (see Szucs et al. 2010), LCT lateral collateral type projection neuron (see Szucs et al. 2010)