

Neural Prosthesis Seminar

Following Sherrington: Integration in Intercostal Motoneurons

Friday, June 22 • 12:00 pm

Biomedical Research Building, Room 105
Case Western Reserve University



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Abstract

Since Sherrington, the spinal motoneuron is well known as the integrator of many different inputs. However, assessing what contribution each of these sources makes to bring any motoneuron to threshold in a natural movement is mostly unknown. Respiration, as a motor act that proceeds relatively normally under experimental conditions, is very valuable in this regard and among various muscles whose motoneurons receive a respiratory signal, particularly useful data may be obtained from the intercostals.

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