

Parasympathetic and Sympathetic Divisions of the ANS

Function

- innervate same targets
- have opposite effects on targets

Location of Preganglionic Neurons

- Middle 2/3 of spinal cord Sympathetic
- brainstem and sacral cord Parasympathetic

Anatomy

Location of ganglia

- close to cord (sympathetic chain [autonomic ganglia], collateral ganglia [innervating digestive tract, etc]) Sympathetic
- close to or in their targets Parasympathetic

Neurochemistry

NT's secreted by postganglionic neurons

- norepinephrine Sympathetic
- acetylcholine Parasympathetic