



Physiology G6001	Nerve and Synapse	Amy MacDermott, Department of Physiology and Cellular Biophysics and the Center for Neurobiology and Behavior phone 305-3889 email abm1@columbia.edu
	<ul> <li>Classical elements of synaptic transmission: Neuromuscular junction</li> <li>Transmitter release</li> <li>Synaptic currents</li> <li>Synaptic potentials</li> <li>Nerve-nerve synapses</li> <li>Synaptic integration</li> <li>Summation</li> <li>Facilitation</li> </ul>	









## Physiology G6001 Nerve and Synapse •Classical elements of synaptic transmission: Neuromuscular junction •Transmitter release •Synaptic ourents •Synaptic potentials •Nerve-nerve synapses •Synaptic integration

SummationFacilitation

Exocytosis and transmitter release at the nerve terminal





























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## Berne and Levy – chapter 4 or Kandel, Schwartz, and Jessell – chapters 11 and 12 or Kandel, Schwartz, and Jessell – chapters 10-15







