

# Contents

<b>1</b>	<b>Coexistence of Neuromessenger Molecules – A Perspective . . . . .</b>	<b>1</b>
	Tomas Hökfelt	
<b>2</b>	<b><i>Ex uno plures: Out of One, Many</i> . . . . .</b>	<b>15</b>
	R. Gutiérrez	
<b>3</b>	<b>Mechanisms of Synapse Formation: Activity-Dependent Selection of Neurotransmitters and Receptors . . . . .</b>	<b>23</b>
	Laura N. Borodinsky and Nicholas C. Spitzer	
<b>4</b>	<b>Co-Release of Norepinephrine and Acetylcholine by Mammalian Sympathetic Neurons: Regulation by Target-Derived Signaling. . . . .</b>	<b>35</b>
	Jason A. Luther and Susan J. Birren	
<b>5</b>	<b>GABA, Glycine, and Glutamate Co-Release at Developing Inhibitory Synapses . . . . .</b>	<b>55</b>
	Deda C. Gillespie and Karl Kandler	
<b>6</b>	<b>GABA is the Main Neurotransmitter Released from Mossy Fiber Terminals in the Developing Rat Hippocampus . . . . .</b>	<b>81</b>
	Victoria F. Safiulina, Majid H. Mohajerani, Sudhir Sivakumaran, and Enrico Cherubini	
<b>7</b>	<b>Postsynaptic Determinants of Inhibitory Transmission at Mixed GABAergic/Glycinergic Synapses . . . . .</b>	<b>99</b>
	Stéphane Dieudonné and Marco Alberto Diana	
<b>8</b>	<b>Glutamate Co-Release by Monoamine Neurons . . . . .</b>	<b>127</b>
	Louis Eric Trudeau, Grégory Dal Bo, and José Alfredo Mendez	
<b>9</b>	<b>Dopamine and Serotonin Crosstalk Within the Dopaminergic and Serotonergic Systems. . . . .</b>	<b>145</b>
	Fu-Ming Zhou and John A. Dani	

<b>10</b>	<b>The Dual Glutamatergic/GABAergic Phenotype of Hippocampal Granule Cells</b> . . . . .	181
	R. Gutiérrez	
<b>11</b>	<b>Synaptic Co-Release of ATP and GABA</b> . . . . .	203
	S. Hugel, Y.H. Jo, and R. Schlichter	
<b>12</b>	<b>The Co-Release of Glutamate and Acetylcholine in the Vertebrate Nervous System</b> . . . . .	225
	Wen-Chang Li	
<b>13</b>	<b>Colocalization and Cotransmission of Classical Neurotransmitters: An Invertebrate Perspective</b> . . . . .	243
	Mark W. Miller	
<b>14</b>	<b><i>E pluribus unum: Out of Many, One</i></b> . . . . .	263
	R. Gutiérrez and J. A. Arias-Montaña	
	<b>Index</b> . . . . .	273