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synaptosomes from the central nervous system of insects; Discussion; Binding and uptake of glutamate and -aminobutyric acid in membrane fractions from locust muscle; Discussion; Genetic approaches to insect neurochemistry

Identification of a *Drosophila melanogaster* mutant that affects the saxitoxin receptor of the voltage-sensitive sodium channel Discussion; Genetic and immunological studies of the nervous system of *Drosophila melanogaster*; Discussion; Activation of ion channels in locust muscle by amino acids; Discussion; Receptor mechanisms mediating the action of 5-hydroxytryptamine; Discussion; Solitary wasp venoms and toxins as tools for the study of neuromuscular transmission in insects; Discussion; Insecticides as probes for the study of ionic channels in nerve membranes; Discussion; Review of the symposium; Index of contributors; Subject index
