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## Sommario/riassunto

An understanding of mechanisms underlying seizure disorders depends critically on the insights provided by model systems. In particular with the development of cellular, molecular, and genetic investigative tools, there has been an explosion of basic epilepsy research. Models of Seizures and Epilepsy brings together, for the first time in 30 years, an overview of the most widely-used models of seizures and epilepsy. Chapters cover a broad range of experimental approaches (from *in vitro* to whole animal preparations), a variety of epileptiform phenomenology (including burst discharges and sei