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Classically, immunology has been concerned with host resistance to microorganisms. This view has been expanded greatly with the realization that the immunity mechanism is essential to proper functioning of the body, and that breakdowns may cause tissue injury, inflammation, and disease.

In this light, the Miles-Ames Research Laboratories sponsored three symposia, bringing together investigators whose interests have been focused on tissue injury and inflammation reactions. This book contains the papers read at these symposia, presenting new and original research material in this area of interest. The first symposium considered physical and chemical injuries and the mechanisms underlying inflammatory changes; the second was concerned with clinical aspects of immune type reactions; the final symposium discussed immune mechanisms that lead to tissue injury.

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