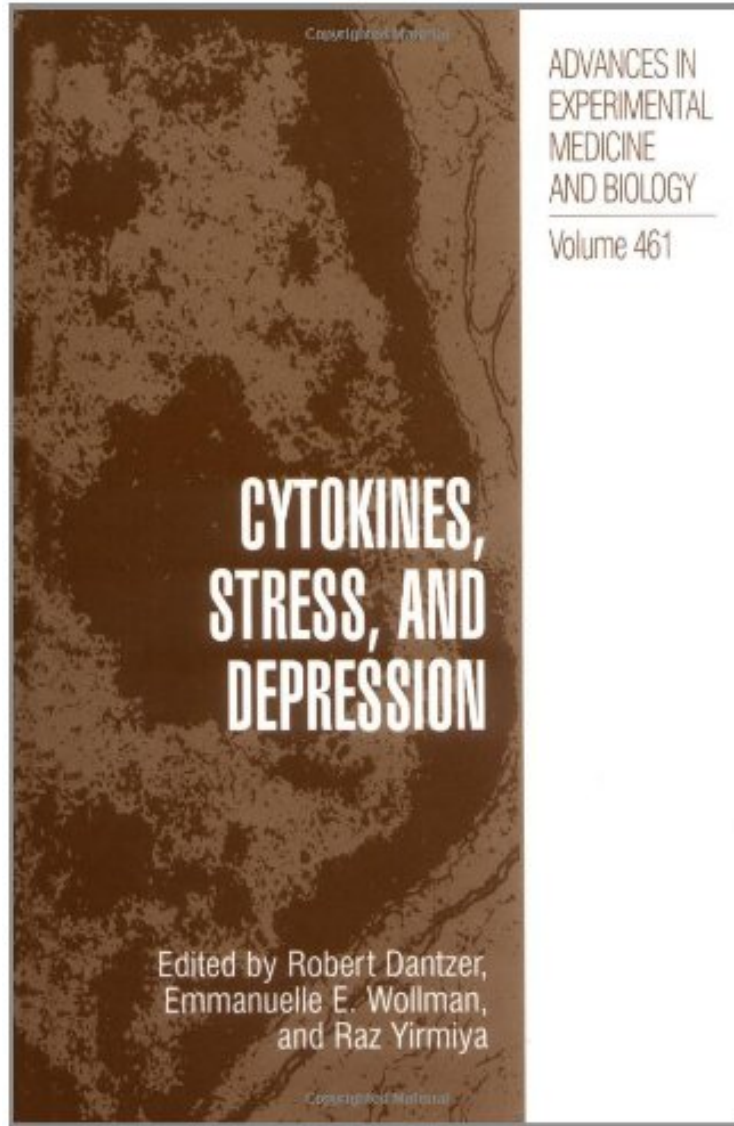


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## Cytokines, Stress, and Depression (Advances in Experimental Medicine and Biology)

*From Robert Dantzer*

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**From Robert Dantzer : Cytokines, Stress, and Depression (Advances in Experimental Medicine and Biology)**  
before purchasing it in order to gauge whether or not it would be worth my time, and all praised Cytokines, Stress, and Depression (Advances in Experimental Medicine and Biology):

Cytokines had been characterized in the early eighties as communication molecules between immune cells, and between immunocytes and other peripheral cells, such as fibroblasts and endothelial cells. They play a key role in the regulation of the immune response and the coordination of the host response to infection. Based on these biological properties, nobody would have predicted that one decade later cytokines would burst upon neurosciences and permeate into several avenues of current research. In neurology, the connection between cytokines and inflammation, and the demonstration of a pivotal role of some of these molecules in cell death by apoptosis, prompted the investigation of their involvement in several neurological diseases involving an inflammatory component, including multiple sclerosis, brain trauma, stroke, and Alzheimer's disease. This movement started in the late eighties, and the corresponding field of research, known as neuroimmunology, is presently booming. In psychiatry, however, the relationship between cytokines and mental disorders was much less evident and took longer to materialize. The first indication that cytokines might be involved in psychopathology came from cancerology and internal medicine.