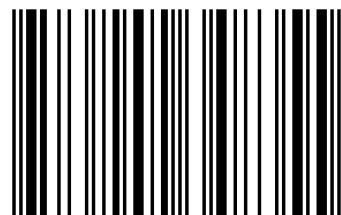


## Depression: The Silent Killer

One of the most devastating CNS diseases is depression, which is considered as a chronic and recurring disorder that changes and disrupts the lives of millions of people around the world. "Internal" depression is characterized by physical symptoms such as insomnia, loss of appetite, and disability. This book will focus on the Pathobiology of depression and will give a deep insight on the promising role of nanotechnology for the treatment of this disease. In this context, we will discuss the drawbacks of the currently used conventional drugs for depression treatment and the challenges they affront to make their actions and their possible side effects. Then, we will discuss the role of nanotechnology in enhancing the delivery of drugs to the CNS and especially in depression treatment. We will finally present some examples of the effective use of nanoparticles in the handling of depression.

Heba Fahmy was born in Cairo, Egypt in 1983. She is currently a lecturer of Biophysics, Faculty of Science, Cairo University. She is interested in the field of neuroscience and nanotechnology, especially, the impact of different nanoparticles on the brain and the treatment of animal model of neurodegenerative diseases using nanotechnology.

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