

Nanotechnology in neurosciences: An approach

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The use of nanotechnology in neurosciences has been evolving since new treatments, diagnoses and biomolecule monitoring are needed to find safer treatments for central nervous system diseases (CNDs). Nanotechnology employs devices that interact with biological systems allowing molecular interactions with a high degree of specificity. This review considers concepts associated with nanotechnology and leading areas of neurosciences with nanotechnology research. © 2017

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Biosensors

Glial cells

Nanosensors

Nanotechnology

Neuroregeneration

Neurosciences

nanomaterial

nanoparticle

central nervous system agents

bioengineering

central nervous system disease

clinical assessment tool

electrochemical detection

fluorescence imaging

glia cell

human

molecular interaction

molecular mechanics

nanotechnology

nerve regeneration

neurobiology

neuroimaging

neuropharmacology

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