

Finding New Ways to Understand the Role of Exosomes in Parkinson's Disease

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Parkinson's disease (PD) is a chronic progressive neurodegenerative disease and is the second-most common neurodegenerative disorder worldwide. There are no biomarker-based tests that effectively diagnose PD. Our multilevel approach for exosomes based improving PD diagnosis will be novel and primarily based on a non-invasive method.

Isolation of exosomes by chemical precipitation

Characterization and validation of isolated exosomes

Development of cost-effective non-invasive screening method for PD

To find novel synthetic compounds to improve PD