

Developing, evaluating, and disseminating new methods and technologies to advance Parkinson disease research

<https://www.neurodegenerationresearch.eu/survey/developing-evaluating-and-disseminating-new-methods-and-technologies-to-advance-parkinson-disease-research/>

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Contact information of lead PI Country

USA

Title of project or programme

Developing, evaluating, and disseminating new methods and technologies to advance Parkinson disease research

Source of funding information

NIH (NINDS)

Total sum awarded (Euro)

€ 704,122.94

Start date of award

30/09/2015

Total duration of award in years

1

The project/programme is most relevant to:

Parkinson's disease & PD-related disorders

Keywords

Parkinson Disease, Cellular Phone, models and simulation, Signs and Symptoms, Plague

Research Abstract

? DESCRIPTION (provided by applicant): Clinical drug development costs have increased ten-fold over a decade; however, the productivity of the industry continues to decline. For neurodegenerative conditions like Parkinson disease, clinical trials are increasingly large, long, and expensive, yet trials continue to be plagued by high failure rates. Novel approaches are, therefore, required. New research methods including disease modeling and simulation, and new technologies that enable remote participation in research studies and objective measurement of disease, such as smartphones and sensors, can help evaluate therapeutics more efficiently. However, these methods and technologies have had limited application in Parkinson disease studies to date. A “laboratory” to develop, evaluate and disseminate these and other new approaches to research can help advance the field. In this application, we outline the development of the administrative infrastructure, collaborative partnerships, and research capabilities necessary to construct such a laboratory. This proposal addresses many of the recommendations outlined in NINDS’s “Parkinson’s Disease 2014: Advancing Research, Improving Lives,” and will develop into a valuable Morris K. Udall Center of Excellence to serve as a unique resource for other Udall Centers and the greater Parkinson disease community.

Lay Summary

PUBLIC HEALTH RELEVANCE: This exploratory grant will develop, evaluate and disseminate new methods and technologies to advance therapeutic development for Parkinson disease. Our vision is that these new approaches, which include simulation models, remote assessments, and objective measures of disease, will modernize Parkinson disease clinical research and enable anyone anywhere with Parkinson disease to engage in research, benefit from therapeutic advances, and receive care.

Further information available at:

Types:

Investments > €500k

Member States:

United States of America

Diseases:

Parkinson's disease & PD-related disorders

Years:

2016

Database Categories:

N/A

Database Tags:

N/A