

LRRK2 Cohort Consortium

<https://www.neurodegenerationresearch.eu/cohort/lrrk2-cohort-consortium/>

Cohort Acronym

LCC

Cohort type

Neurodegenerative disease-specific cohort

Disease

Parkinson's disease

Participant type

At-risk diagnosis, Condition diagnosed, No diagnosis

Profile

Recruitment Period 2011-2015

Sample size at start or planned sample size if still recruiting

Estimated Current Sample Size

Age at Recruitment

Gender Male and Female

Abstract

The LRRK2 Cohort Consortium (LCC) comprises three closed studies: the LRRK2 Cross-sectional Study, LRRK2 Longitudinal Study and the 23andMe Blood Collection Study. The LCC followed standardized data acquisition protocols, and clinical data and biological samples are stored in a comprehensive Parkinson's database and biorepository, respectively. A total of 1,213 Idiopathic PD subjects, 1,168 PD subjects with genetic mutations in LRRK2, 1,123 unaffected subjects with genetic mutations in LRRK2, and 779 Healthy Controls (HC) were recruited.

Country Canada, China, France, Germany, Israel, Norway, Spain, Tunisia, USA

Contact details

Institution name The Michael J. Fox Foundation for Parkinson's Research

Website <https://www.michaeljfox.org/page.html?lrrk2-cohort-consortium&navid=lrrk2-cohort-consortium>

Principal Investigator (PI)

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Funders (Core support) The Michael J. Fox Foundation for Parkinson's Research

Variables Collected

Brain related measures:

N/A

Functional rating:

Individual physiological, Individual psychological

Anthropometric:

Blood pressure

Physical:

Cardiovascular, Musculoskeletal, Reproductive, Respiratory

Biological samples:

Blood, Cerebral spinal fluid (CSF), Other, Urine

Genotyping:

Gene screening

Brain imaging:

Magnetic resonance imaging (MRI), Positron emission tomography (PET) fluorine18 flurodeoxyglucose (FDG), Single photon emission computerised tomography (SPECT)

Brain banking:

N/A

Lifestyle:

Alcohol, Dietary habits, Physical activity, Smoking

Socio-economic:

Education, Ethnic group, Family circumstances

Health service utilisation:

N/A