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A Comprehensive Approach to Study the Epigenome of Monocytes in Persons with Parkinson Disease and Matched Controls

BeaT-PD: Collaboration between Biogen and Israel

- Highest proportion of LRRK2 and GBA carriers anywhere in the world
- Ashkenazi Jewish Population: relatively homogeneous genetic background
- Monocyte from blood is an accessible proxy for microglia

Aim: Development of new biomarkers/outcome measures in a well-defined population affecting:

- Age of onset
- Clinical course
- Phenotype (tremor, gait, cognitive)
- Penetrance
- Phenoconversion

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