

GBA1

GBA1-associated parkinsonism

It is clear that the [immune system](#) and [inflammation](#) have a role in [Parkinson's disease](#) (PD), including sporadic Parkinson's disease and some genetic forms such as [LRRK2-associated Parkinson's disease](#). One of the most important genes associated with PD is [GBA1](#), as mutations in this [gene](#) are found in 5-20% of PD patients in different populations worldwide. Biallelic mutations in GBA1 may cause [Gaucher disease](#), a lysosomal storage disorder with involvement of the immune system, and other lines of evidence link GBA1 to the immune system and inflammation ¹⁾.

¹⁾

Al-Azzawi ZAM, Arfaie S, Gan-Or Z. GBA1 and The Immune System: A Potential Role in Parkinson's Disease? J Parkinsons Dis. 2022 Aug 29. doi: 10.3233/JPD-223423. Epub ahead of print. PMID: 36057834.

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