

## Newsletter 25 – 2022

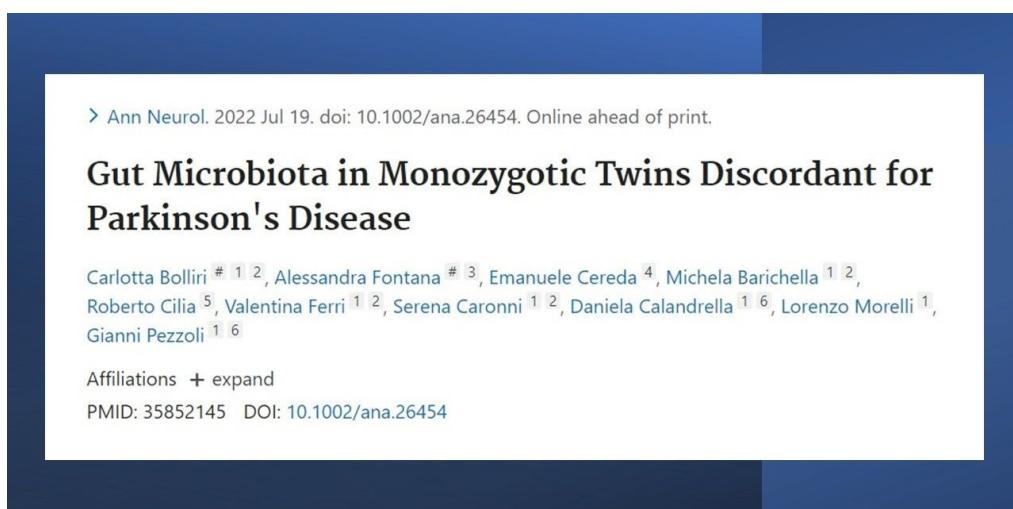
### SOMMARIO

- Newsletter scientifica- nuovo studio pubblicato su Annals of Neurology



### NEWSLETTER SICENTIFICA

B&M prosegue con le **Newsletter scientifiche**. Online il nuovo Studio condotto da Fondazione Grigioni per il Morbo di Parkinson e dal Centro Parkinson di Milano in collaborazione con l'Università Cattolica del Sacro Cuore di Piacenza, pubblicato su *Annals of Neurology*, relativo al **Microbiota intestinale nei gemelli monozigoti discordanti per la malattia di Parkinson**.



A screenshot of a research article from the journal *Annals of Neurology*. The article title is "Gut Microbiota in Monozygotic Twins Discordant for Parkinson's Disease". The authors listed are Carlotta Bolliri #<sup>1 2</sup>, Alessandra Fontana #<sup>3</sup>, Emanuele Cereda<sup>4</sup>, Michela Barichella<sup>1 2</sup>, Roberto Cilia<sup>5</sup>, Valentina Ferri<sup>1 2</sup>, Serena Caronni<sup>1 2</sup>, Daniela Calandrella<sup>1 6</sup>, Lorenzo Morelli<sup>1</sup>, Gianni Pezzoli<sup>1 6</sup>. The article was published online ahead of print on July 19, 2022, with a DOI of 10.1002/ana.26454. The PMID is 35852145 and the PMID is 10.1002/ana.26454.

## Abstract

Differences in gut microbiota between Parkinson's disease patients and controls seem to depend on multiple-frequently unmeasured-confounders. Monozygotic twins offer a unique model for controlling several factors responsible for interpersonal variation in gut microbiota. Fecal samples from 20 monozygotic twin pairs ( $n = 40$ ) discordant for Parkinson's disease were studied (metagenomic shotgun analysis). Paired data analysis detected minimal differences in bacterial taxa abundance at species level (Bacteroides pectinophilus [ $p = 0.037$ ], Bifidobacterium pseudocatenulatum [ $p = 0.050$ ], and Bifidobacterium catenulatum [ $p = 0.025$ ]) and in predicted metabolic pathways (primary bile acid biosynthesis [ $p = 0.037$ ] ). Additional studies are warranted to understand the role of gut microbiota in the pathogenesis of Parkinson's disease.

Scarica il RIASSUNTO in italiano e leggi l'ARTICOLO.

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Si segnala il Simposio Satellite del 4 Settembre 2022 che prevede tra i relatori il Dr. Emanuele Cereda a cui vanno le nostre congratulazioni.



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*informa*

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