

Vincenzo Bonifati received his MD in 1988 from La Sapienza University, Roma, Italy. In 1992 he completed his residency in neurology there, and was appointed staff neurologist. He later moved to the Erasmus University Rotterdam, where he received his PhD in human molecular genetics in 2003. In 2006 he was appointed Associate Professor, and in 2012, Professor of *Genetics of Movement Disorders*.

His research focuses on understanding the **molecular mechanisms of Parkinson's disease** (PD) and finding novel therapeutic targets, by the identification of highly-penetrant disease-causing genetic mutations, and the characterization of the involved molecular pathways. For additional information please see the website: http://www.erasmusmc.nl/klinische_genetica/research/introduction/bonifati/.

Over the past 15 years he built an international network for the study of families with PD, case-control series, and genetically isolated populations. The combination of strong clinical and molecular genetic expertise has been a key factor in his research endeavour.

His work led to the discovery of different, novel forms of hereditary parkinsonism, such as **PARK7**, **PARK15**, and recently, **PARK20**. He also described the Gly2019Ser mutation and the Gly2385Arg variant in the **LRRK2** gene, considered among the most relevant genetic determinants of the common forms of PD. He recently identified the first inherited disorder of **manganese** transport in man, caused by mutations in the **SLC30A10** gene, and characterized by dystonia or parkinsonism and multi-organ disturbances. Very recently, he published the first large-scale **exome study of PD**, nominating several novel candidate risk-genes for PD.

He published more than 160 papers in peer-reviewed journals, and has an **H-index of 52**.

He is the Associate Editor for Europe of *Parkinsonism & Related Disorders*, and the Section Editor for Genetics of *Current Neurology and Neuroscience Reports*. He is currently an Editorial Board member of *Neurogenetics* and *Journal of Parkinson's disease*, and has served in the Editorial Board of *Movement Disorders*.

He is regularly invited to give lectures at international congresses, and is currently member of the scientific organizing committees of two world-class congresses for PD and other movement disorders: the International Congress on the Parkinson's disease and Movement disorders Society (IPMDS), and of the International Association for Parkinson's disease and Related Disorders (IAPRD).
