

Petr Dusek

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- Petr Dusek is an Associate Professor at the Department of Neurology and Center of Clinical Neuroscience, First Faculty of Medicine, Charles University, and General University Hospital in Prague.
- His main expertise lies in Movement Disorders and Neuroimaging. Between 2013 and 2016, he worked as a post-doc researcher at the Department of Neuroradiology, University Medicine Göttingen, Germany.
- Currently, his primary research interests focus on biomarkers of the early stages of neurodegeneration and the relationship between cerebral accumulation of metals, neuroinflammation, and neurodegeneration. In the field of neuroimaging, he investigates potential clinical applications of iron-sensitive MR techniques, such as quantitative susceptibility mapping, and works on ex-vivo validation of novel MR markers. For instance, in collaboration with the Institute of Psychiatry and Neurology in Warsaw, Poland, he developed and validated the Semiquantitative Scale for Assessing Brain MRI Abnormalities in Wilson Disease.
- His research has been supported by several significant grants, including those from the Czech Research Council, and he has collaborated on the EU's Horizon 2020 program. He also leads the Movement Disorders section of the Czech National Institute for Neurology Research.