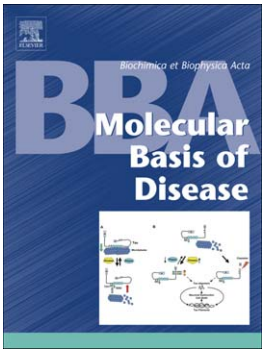

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Visualization of prion-like transfer in Huntington's Disease models

Authors:

Anne H.P. Jansen[1], Kevin L. Batenburg[1], Eline Pecho-Vrieseling[2], Eric A. Reits[1]

[1]Department of Cell biology & Histology, Academic Medical Center, Amsterdam, The Netherlands
[2]Department of Biomedicine, University of Basel, Basel, Switzerland

Abstract

Most neurodegenerative diseases such as Alzheimer's, Parkinson's and Huntington's disease are hallmarked by aggregate formation of disease-related proteins. In various of these diseases transfer of aggregation-prone proteins between neurons and between neurons and glia cells have been shown, thereby initiating aggregation in neighboring cells and so propagating the disease phenotype. Whereas this prion-like transfer is well studied in Alzheimer's and Parkinson's disease, only a few studies have addressed this potential mechanism in Huntington's disease. Here, we present an overview of *in vitro* and *in vivo* methodologies to study release, intercellular transfer and uptake of aggregation-prone protein fragments in Huntington's disease models.