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Techniques to elucidate the conformation of prions

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### Abstract

Proteinaceous infectious particles (prions) are unique pathogens as they are devoid of any coding nucleic acid. Whilst it is assumed that prion disease is transmitted by a misfolded isoform of the cellular prion protein, the structural insight of prions is still vague and research for high resolution structural information of prions is still ongoing. In this review, techniques that may

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Techniques to Elucidate the Conformation of Prions



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Microscopic "holes" are characteristic in prion-affected tissue sections, ... (prion) is a protein that can fold in multiple, structurally distinct ways, at least one of ... to a prion's ability to self-propagate and transmit its conformation to other prions. ... The first hypothesis that tried to explain how prions replicate in a protein-only ...

## Site-specific Conformational Studies of Prion Protein (PrP ...

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Studies of prion biology and diseases have elucidated several new concepts, ..., high-resolution nuclear magnetic resonance and X-ray diffraction techniques.

## Amyloid Structure: Conformational Diversity and ...

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