

# Special Issue

## Prion Neuroinvasion 2.0

### Message from the Guest Editor

Prion diseases are a class of fatal neurodegenerative diseases that affect animals, including humans. The causative agent is a misfolded protein that is sometimes inherited and the result of an iatrogenic procedure, but more commonly, prions gain access to the interior of the body by crossing the epithelium of the gut, nasal cavity, or the skin. While much work has been carried out on the pathogenesis of prion diseases, there are several questions that remain unanswered, including the cellular and molecular events of prions crossing the epithelial tissue, the role of blood in the spread of prions, the specific mechanism(s) of how prions enter and spread centripetally in the peripheral and central nervous systems, and how prions spread centrifugally to peripheral tissues where they are shed. The focus of this Special Issue is the process of prion entry and neuroinvasion, the spread of prions in the central and peripheral nervous systems, and the mechanism(s) of neuronal cell death.

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### Guest Editor

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### Deadline for manuscript submissions

closed (15 June 2022)



## Viruses

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### Editor-in-Chief

Dr. Eric O. Freed

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