



# Alberta Prion Research Institute - Update

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# Research in progress

- Sabine Gilch  
Prion infection changes the ways in which cells handle the movement and degradation of proteins and how cholesterol influences this process
- Holger Wille  
Structure of the prion from one form of atypical BSE

# Research in Progress

- Evelyn Merrill, Margo Pybus  
Most effective zones for managing CWD on the landscape
- Vic Adamowicz, Margo Pybus  
Preferences in CWD management options

# Research in Progress

- Peter Stys  
Multiple Sclerosis might be caused (and transmitted) by accumulation of atypical misfolded prion proteins in association with an inflammatory response
- Ted Allison  
Prion-like properties of development of CTE after Traumatic Brain Injury

# Research in Progress

- Valerie Sim  
Treatment of cells with sugars and sugar derivatives could reduce the production of prions
- Hermann Schätzl and Sabine Gilch  
Control of prion infection by AR-12, an FDA approved derivative of celecoxib

# Research in Progress

- Majid Mahajarani  
Active oligomers, amyloid, tangles and calcium fluxes in rat brain
- Holger Wille  
Rational Design of anti-prion vaccines

# Other activities

- Hosting Prion 2019 in Edmonton
  - Plenary Sessions on Human Disease, Genetics and Therapeutic Approaches
  - Workshop on Biomarkers and Diagnostics
- Preparation for request for additional funding from Government of Alberta