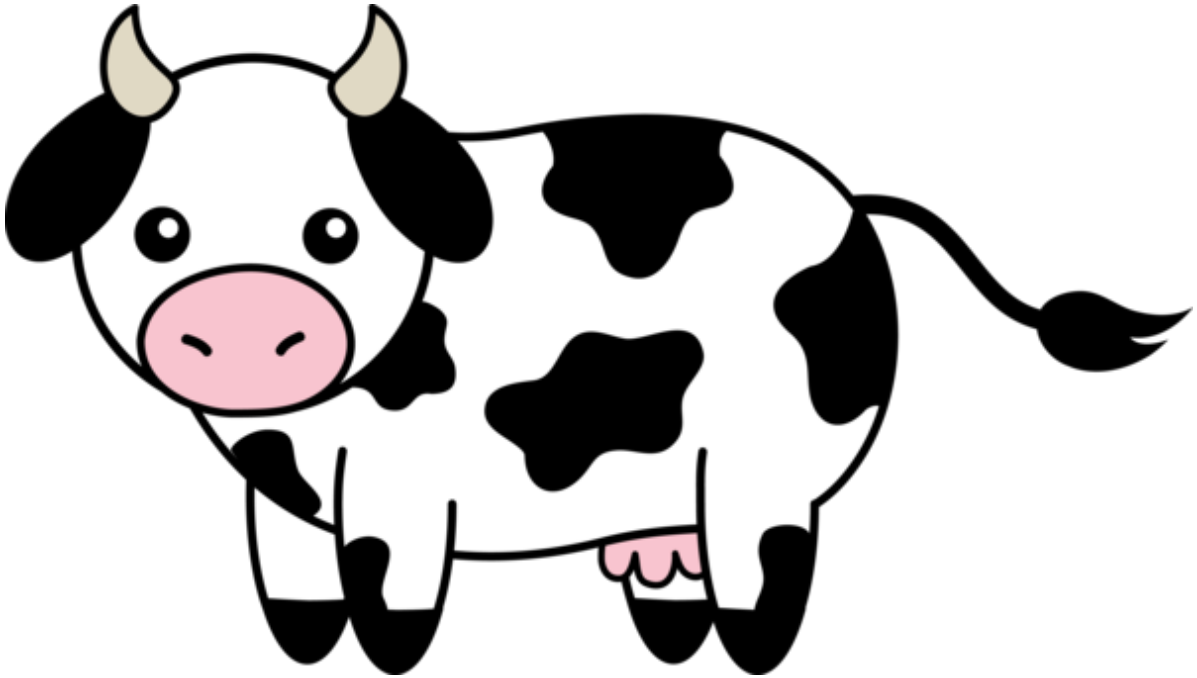
Cannibalism

& Mad Cow Disease

Leif Andersen

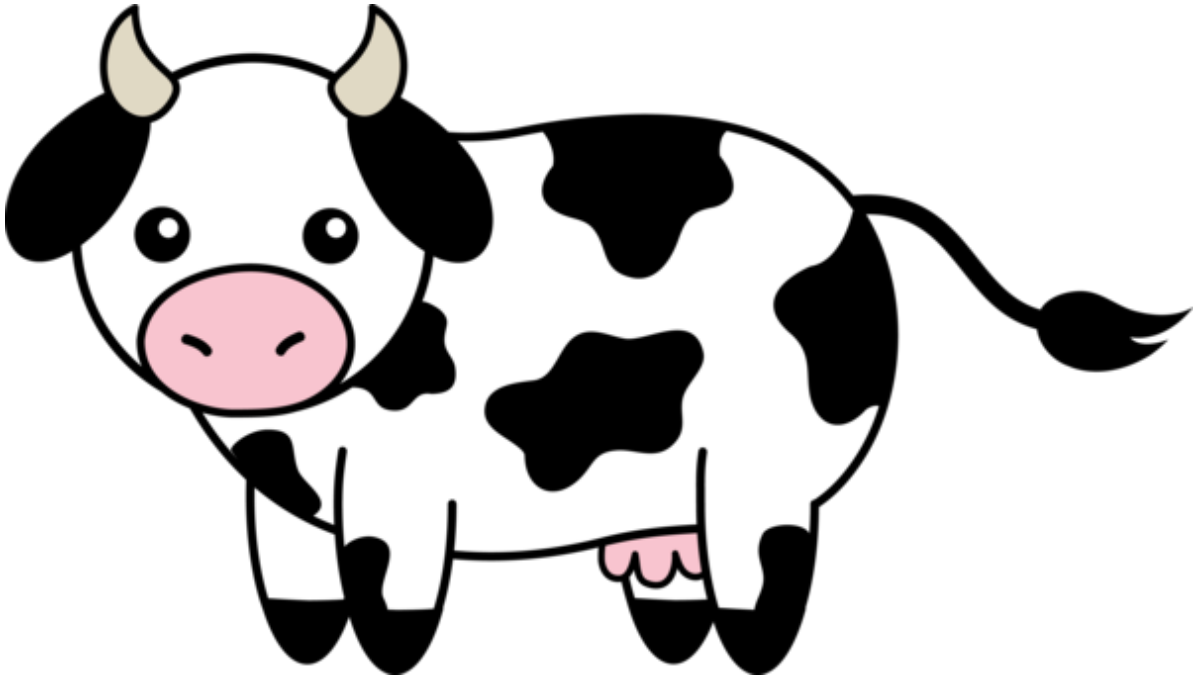
University of Utah

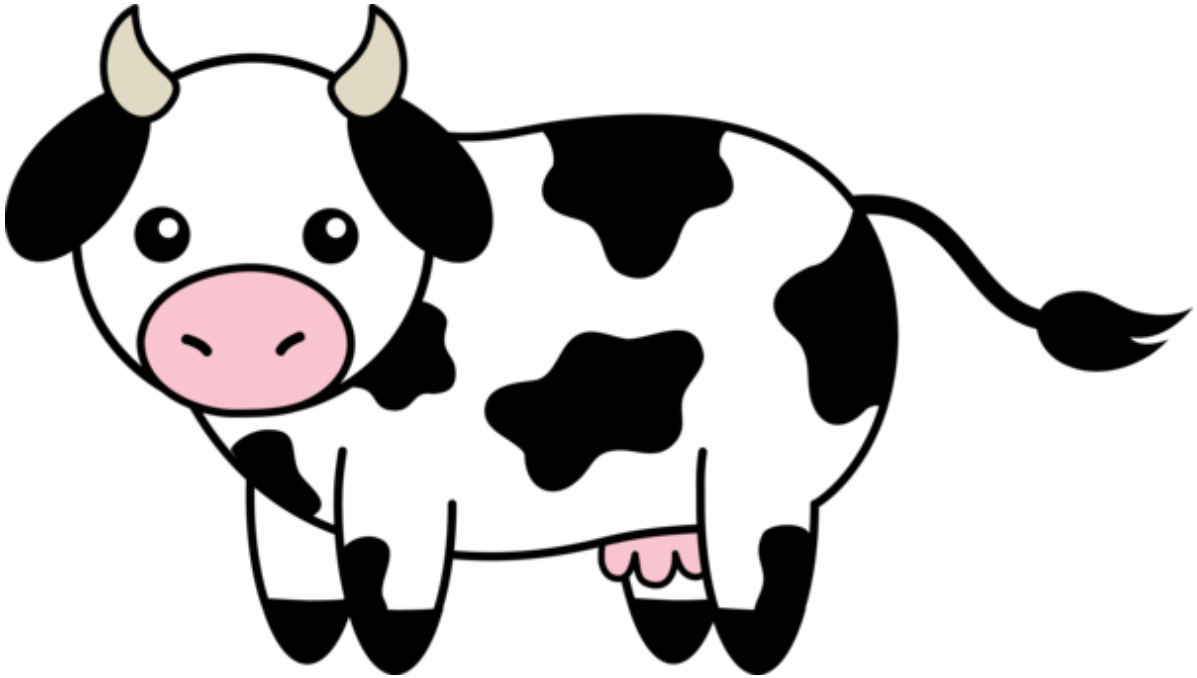
DISCLAIMER




UMPQUA
DAIRY
2% Milk
Nutrition Facts


sangrea.net
Moo, my child.
THE SACRED COW





BSE

Bovine spongiform encephalopathy

Mad Cow Disease

What?

What?

A neurodegenerative disease

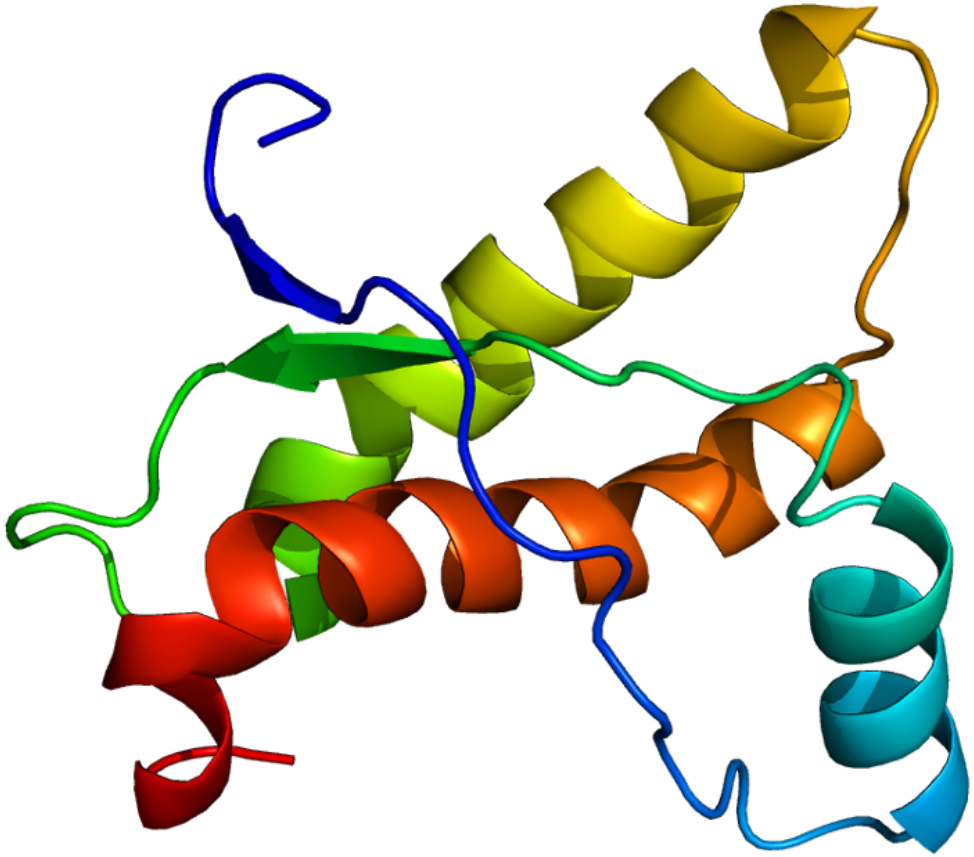
Cause?

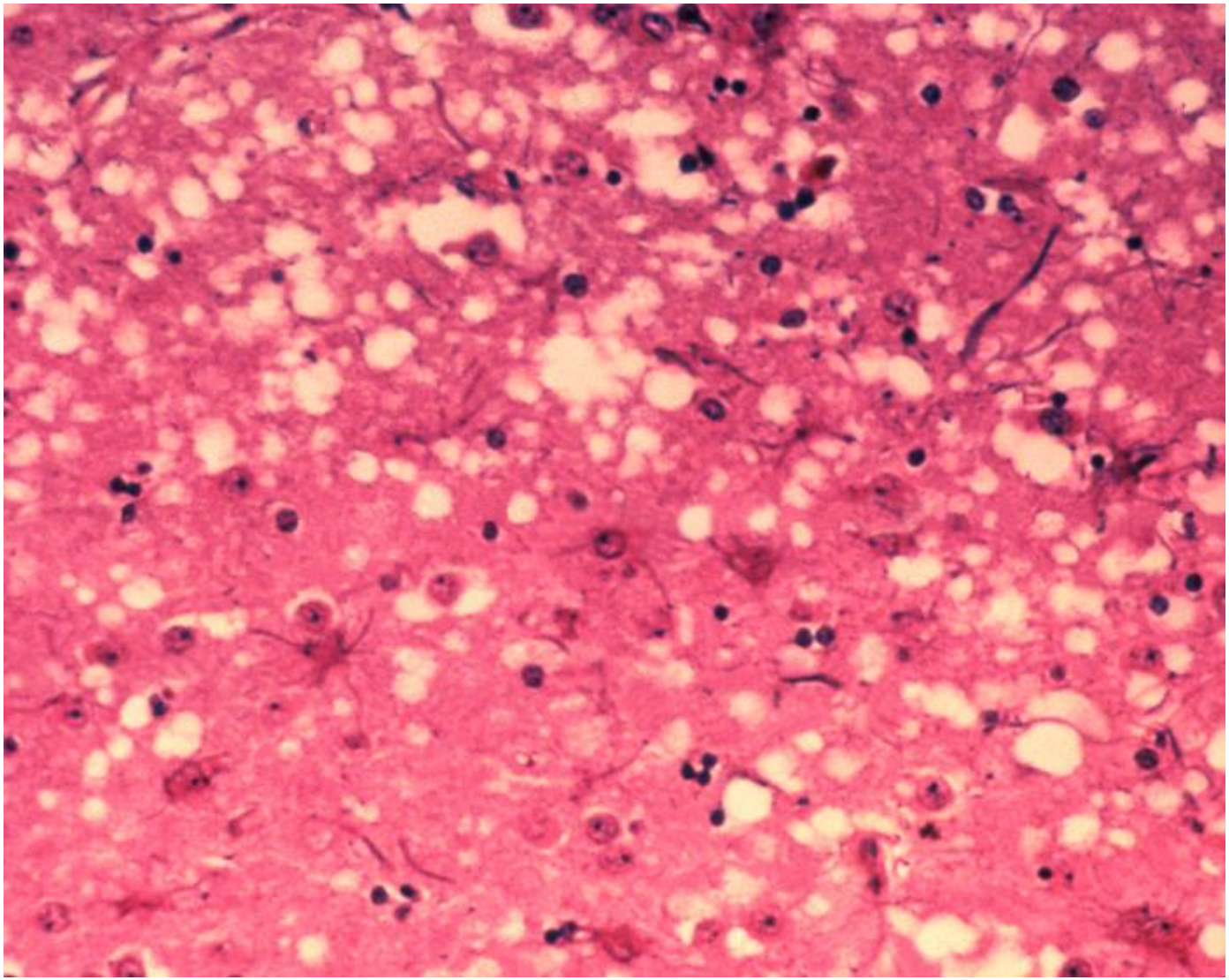
Cause?

Prions

Cause?

Prions





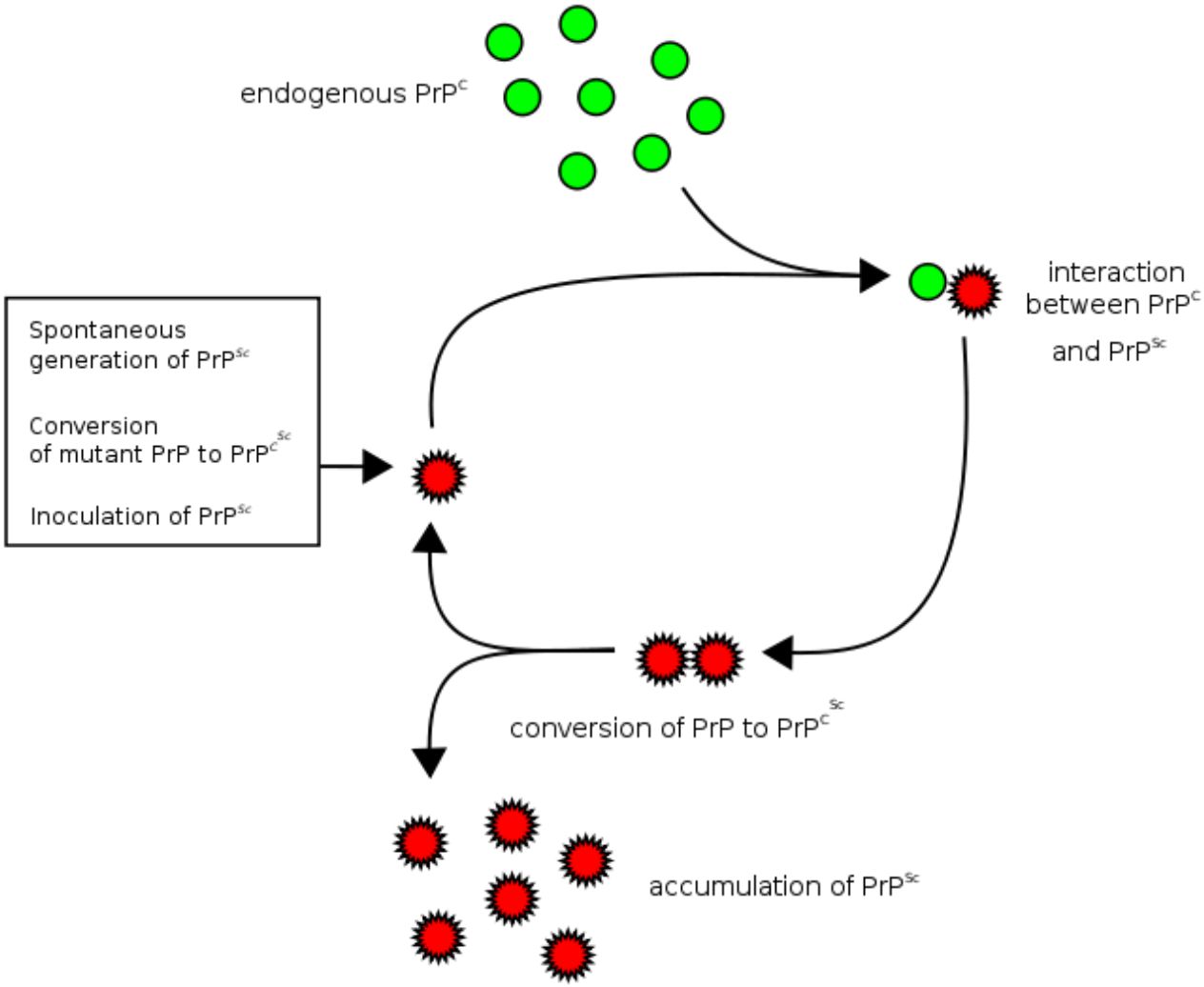
www.bongonews.com

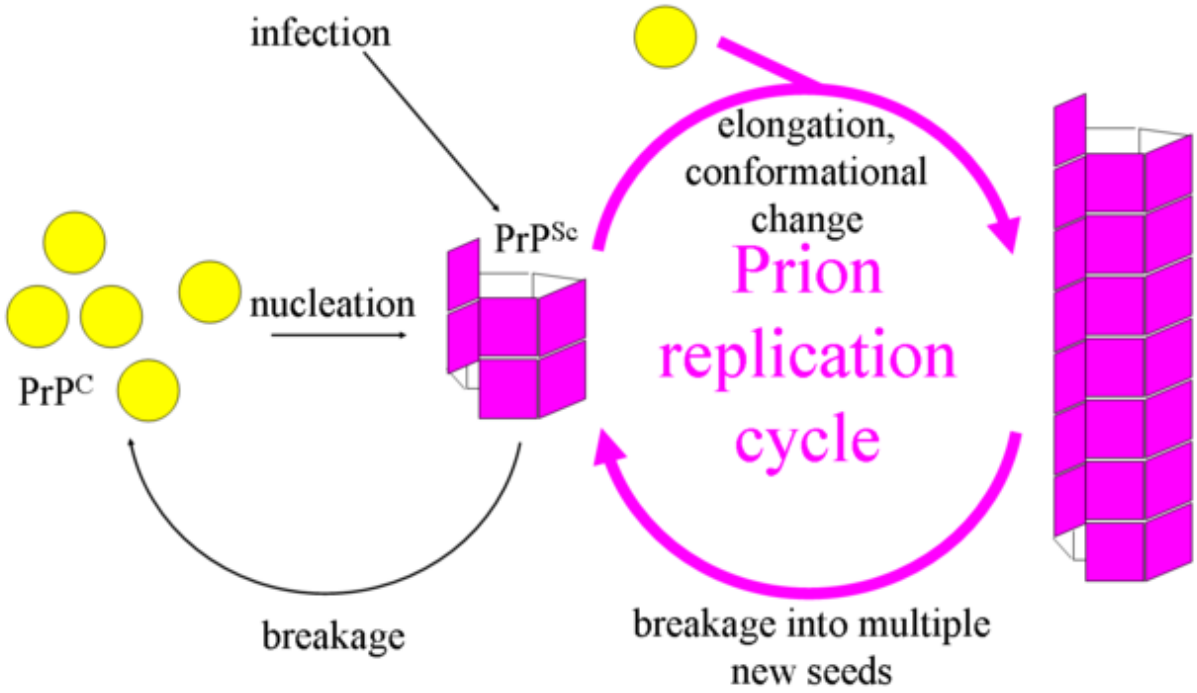
McDonald's®

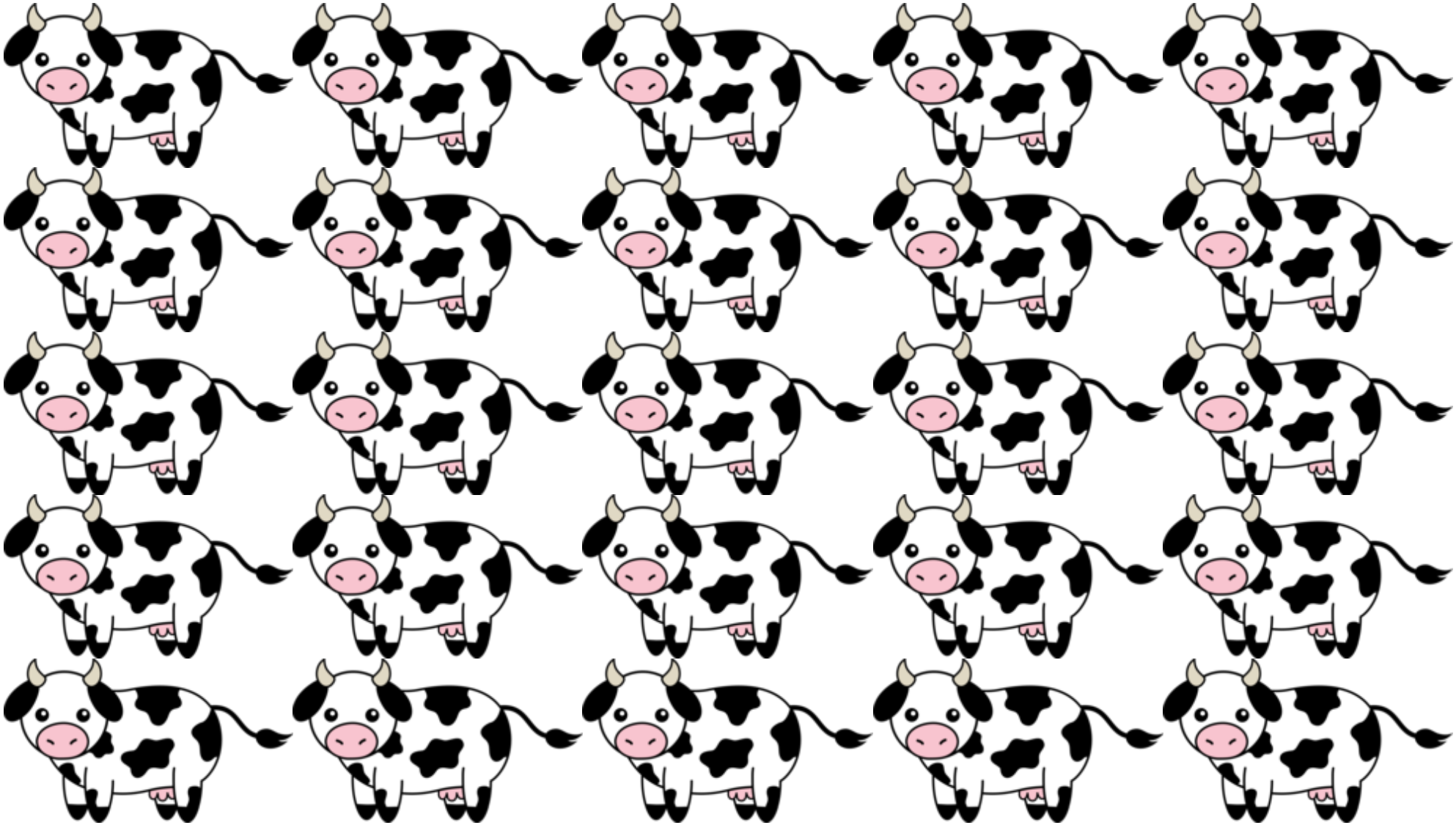
PrP

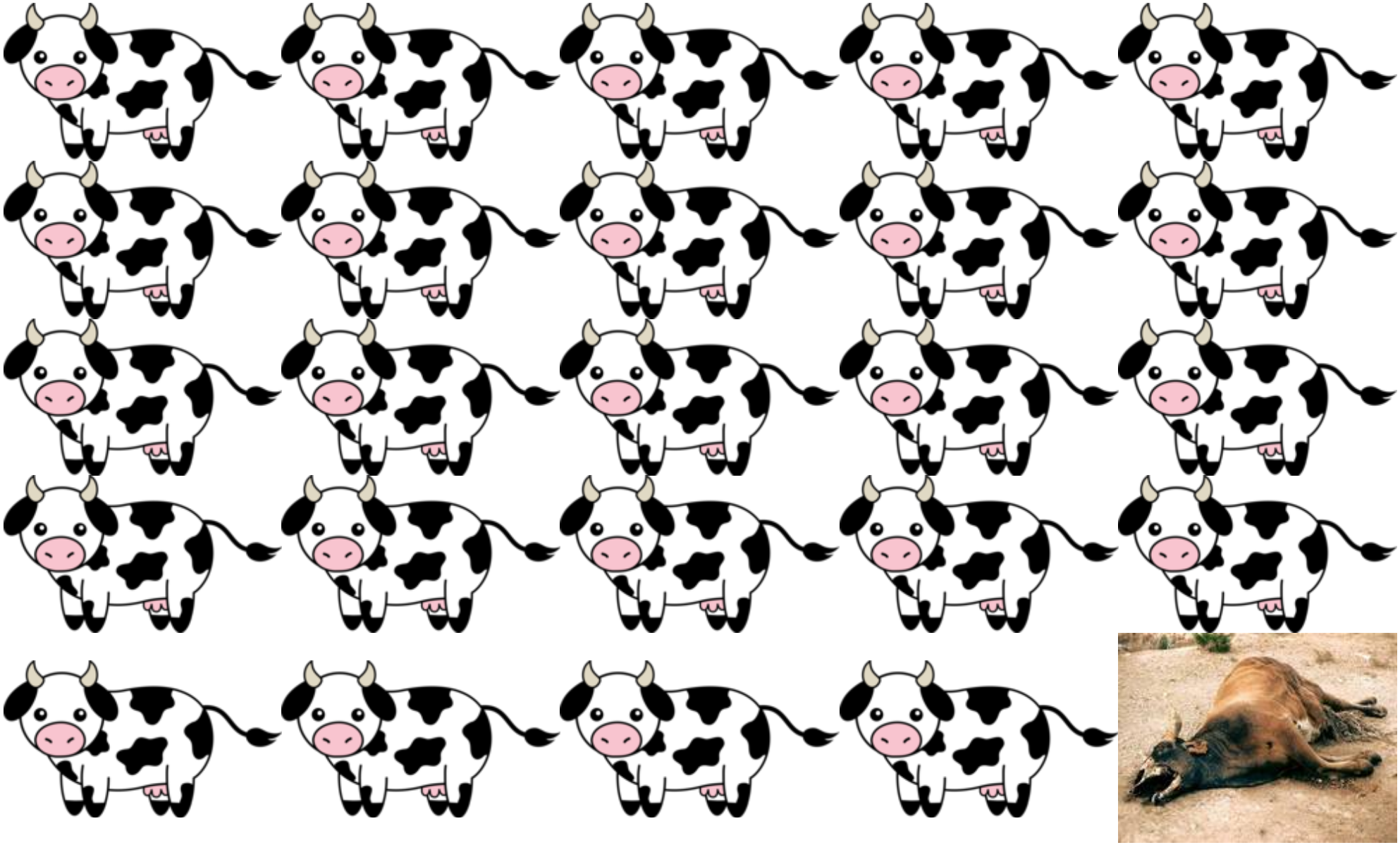
PrP^{C}

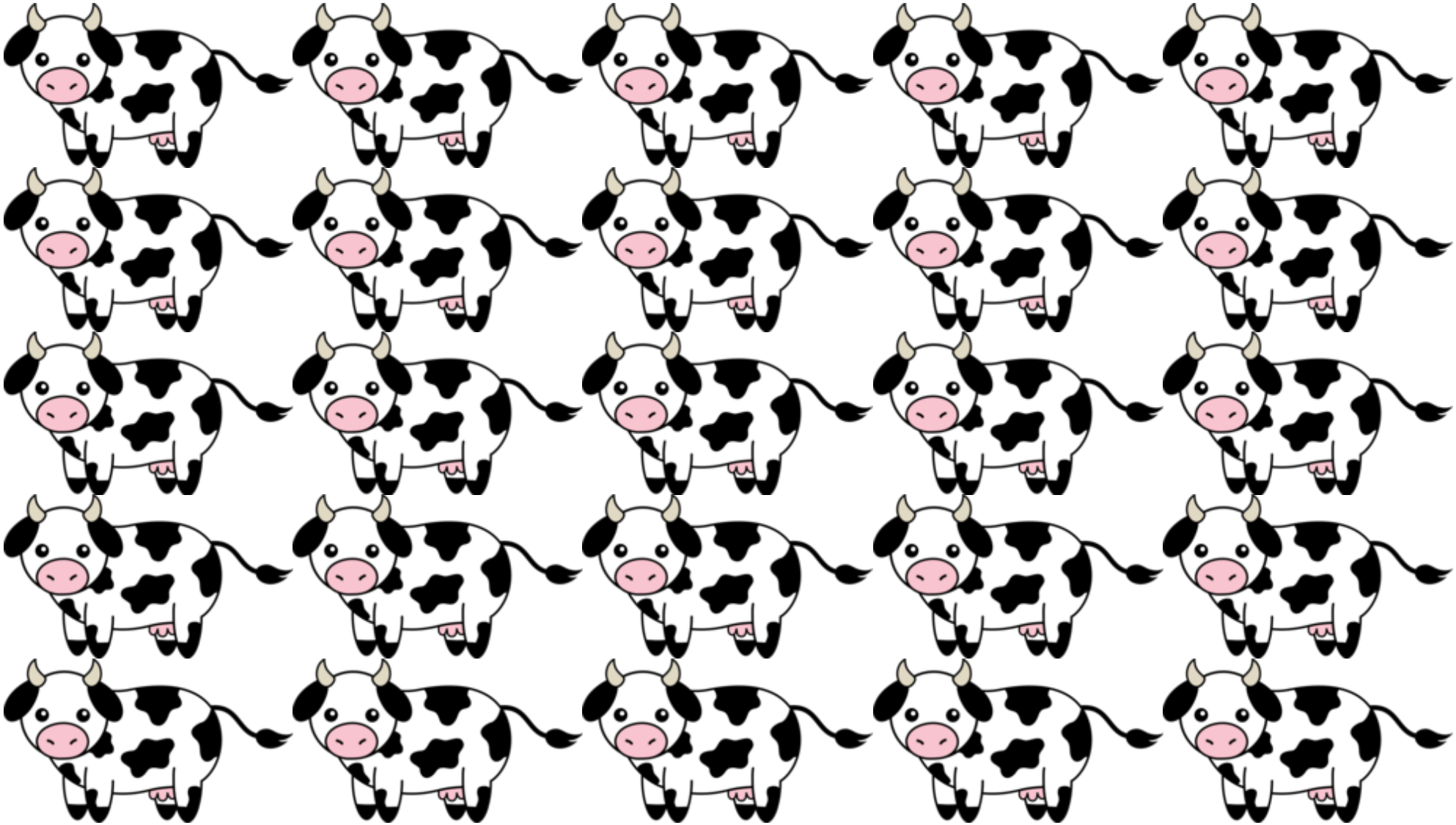
PrP^{Sc}

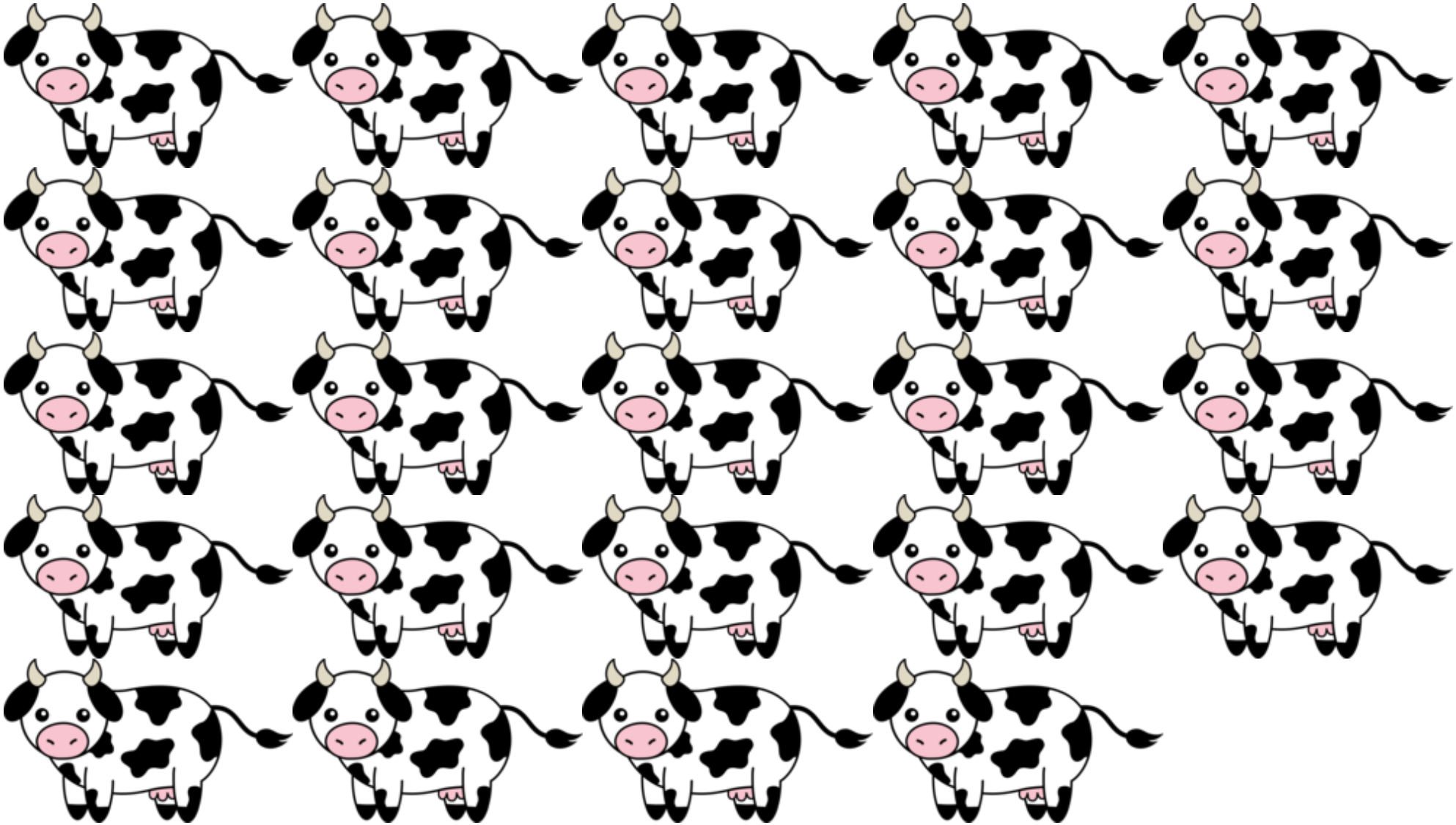

endogenous PrP^{c}
interaction between PrP^{c} and PrP^{Sc}
Spontaneous generation of PrP^{Sc}
Conversion of mutant PrP to PrP$^{c^{Sc}}$
Inoculation of PrP^{Sc}
conversion of PrP to PrP$^{c^{Sc}}$
accumulation of PrP^{Sc}


infection
PrP^Sc
elongation,
conformational
change
Prion
replication
cycle
nucleation
PrP^C
breakage
breakage into multiple
new seeds









Negative Effects

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- 180,000 cattle infected

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I ❤

People

I ❤

EATING

People

Cannibalism

Cannibalism

- From the carib tribe

Cannibalism

- From the carib tribe
- Still practiced today

Cannibalism

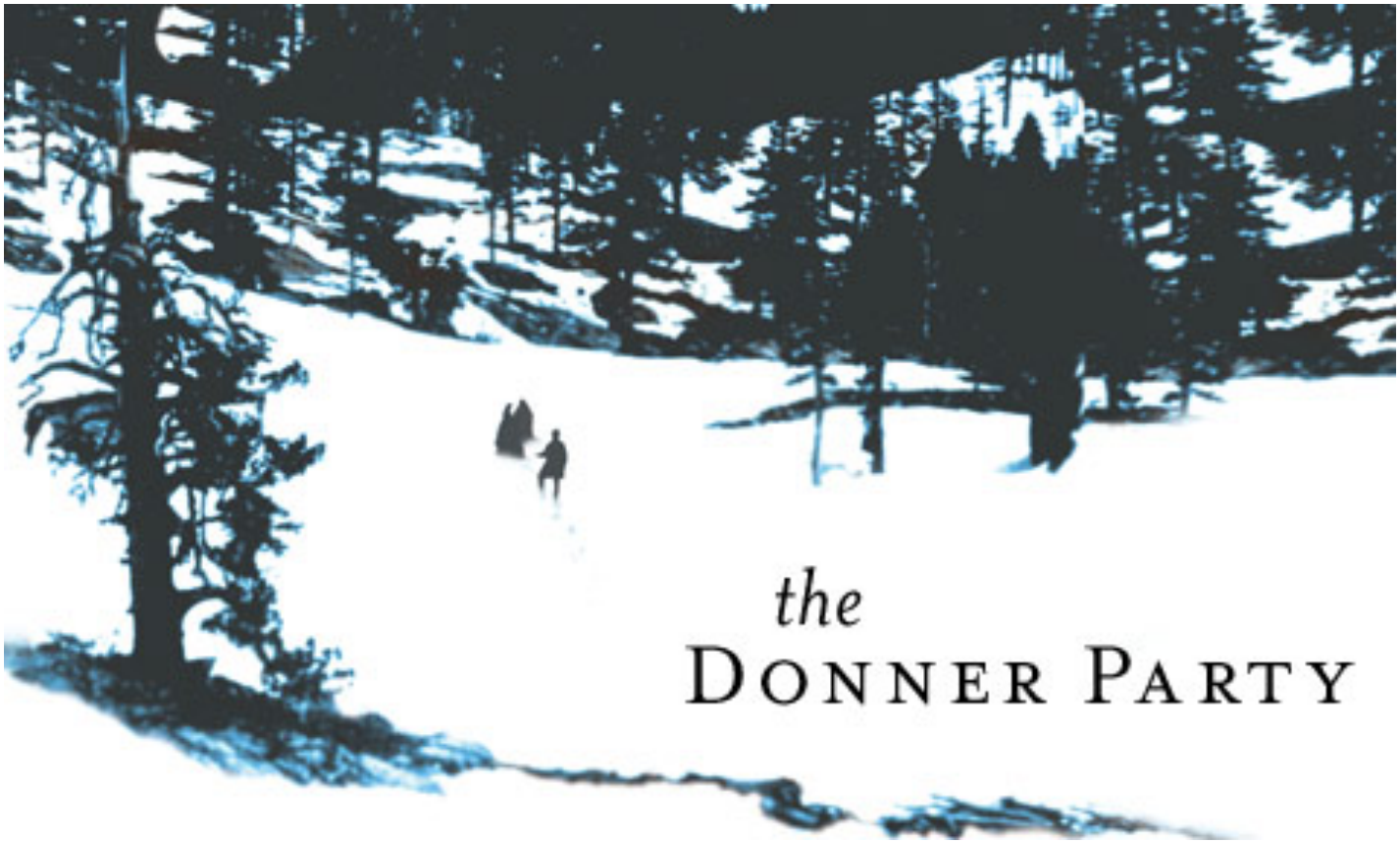
- From the carib tribe
- Still practiced today (part of war)

Cannibalism

- From the carib tribe
- Still practiced today (part of war)
- Korowai Tribe

Cannibalism

- From the carib tribe
- Still practiced today (part of war)
- Korowai Tribe
- Sexual Cannibalism



the Donner Party

Stay safe

Stay safe

Don't eat the brain

But...

But...

Scientists are working on it.

My Will

Questions?

Questions?

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