



“Chance favors the prepared mind.”

Pasteur



[Home](#) | [About WPI](#) | [Research](#) | [· XMRV Research ·](#) | [Patient Resources](#) | [News & Events](#) | [How to Help](#)

- Overview
- [In The News](#)
- [Research Team](#)
- [Q & A](#)

## Overview

The spectrum of neuro-immune diseases including: Myalgic Encephalomyelitis (ME/CFS), Atypical MS, Fibromyalgia and Gulf War Syndrome, share common abnormalities in the innate immune response which result in chronic immune activation and immune deficiency.

We have detected the retroviral infection XMRV is greater than 95% of the more than 200 ME/CFS, Fibromyalgia, Atypical MS patients tested. The current working hypothesis is that XMRV infection of B, T, NK and other cells of the innate immune response causes the chronic inflammation and immune deficiency resulting in an inability to mount an effective immune response to opportunistic infections. (See [XMRV paper](#) in Science.)

This discovery opens an entire new avenue of Neuro-Immune Disease related research and our discovery has brought to this field world-renown immunologists and retrovirologists building our team of collaborators to translate our discoveries into new treatments as soon as possible.

Because retroviruses are known to cause inflammatory diseases, neurological disease immune deficiency and cancer the discovery of XMRV has far reaching implications for the prevention and treatment of not only lymphoma, one of the potentially devastating complications of ME/CFS but prostate cancer and perhaps many others.

As National Academy of Sciences member and expert retrovirologist, John Coffin wrote in the commentary accompanying our landmark publication in *Science* "One New Virus-How many Old Diseases". We look forward to translating this discovery into treatment options!